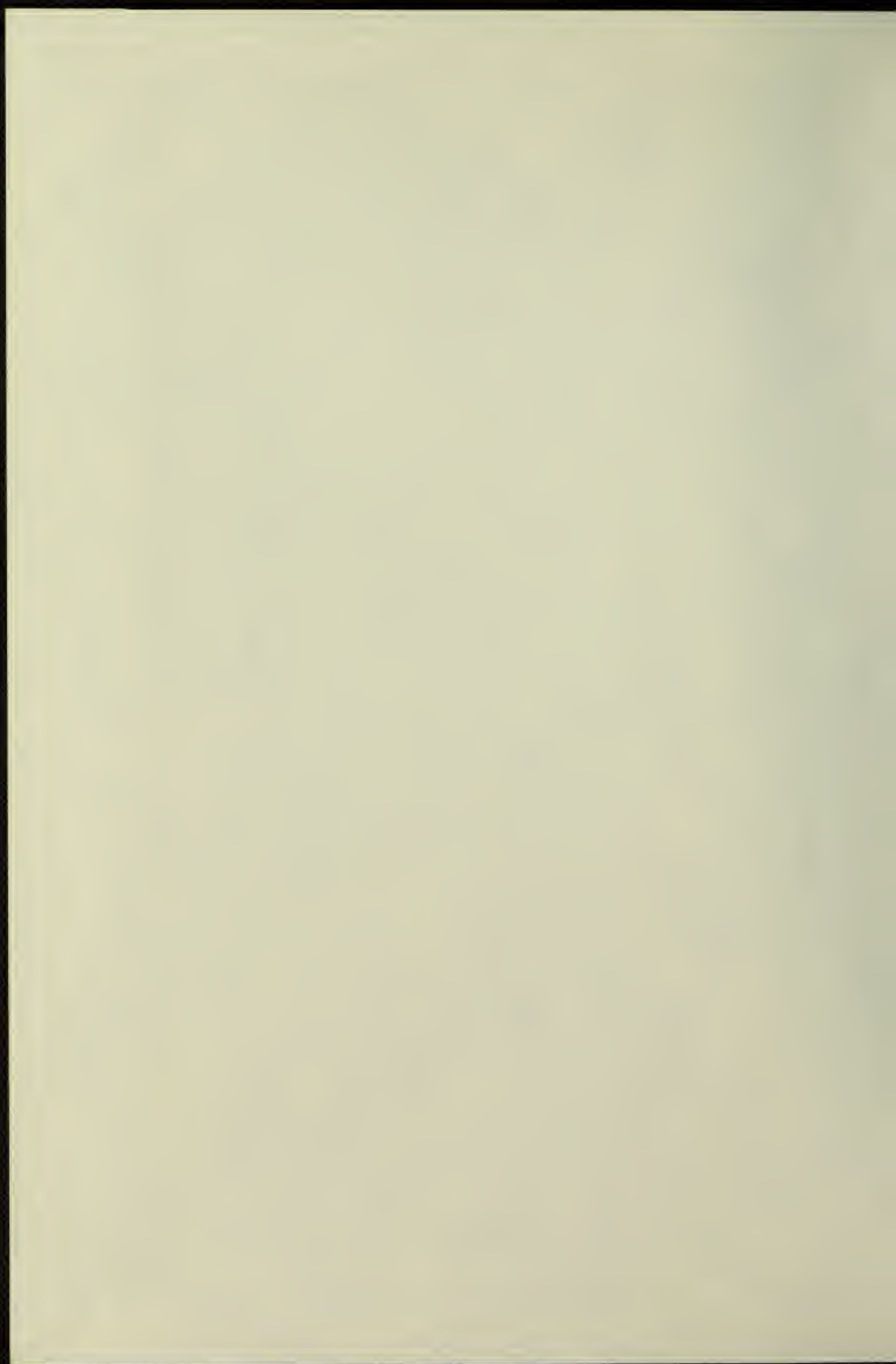




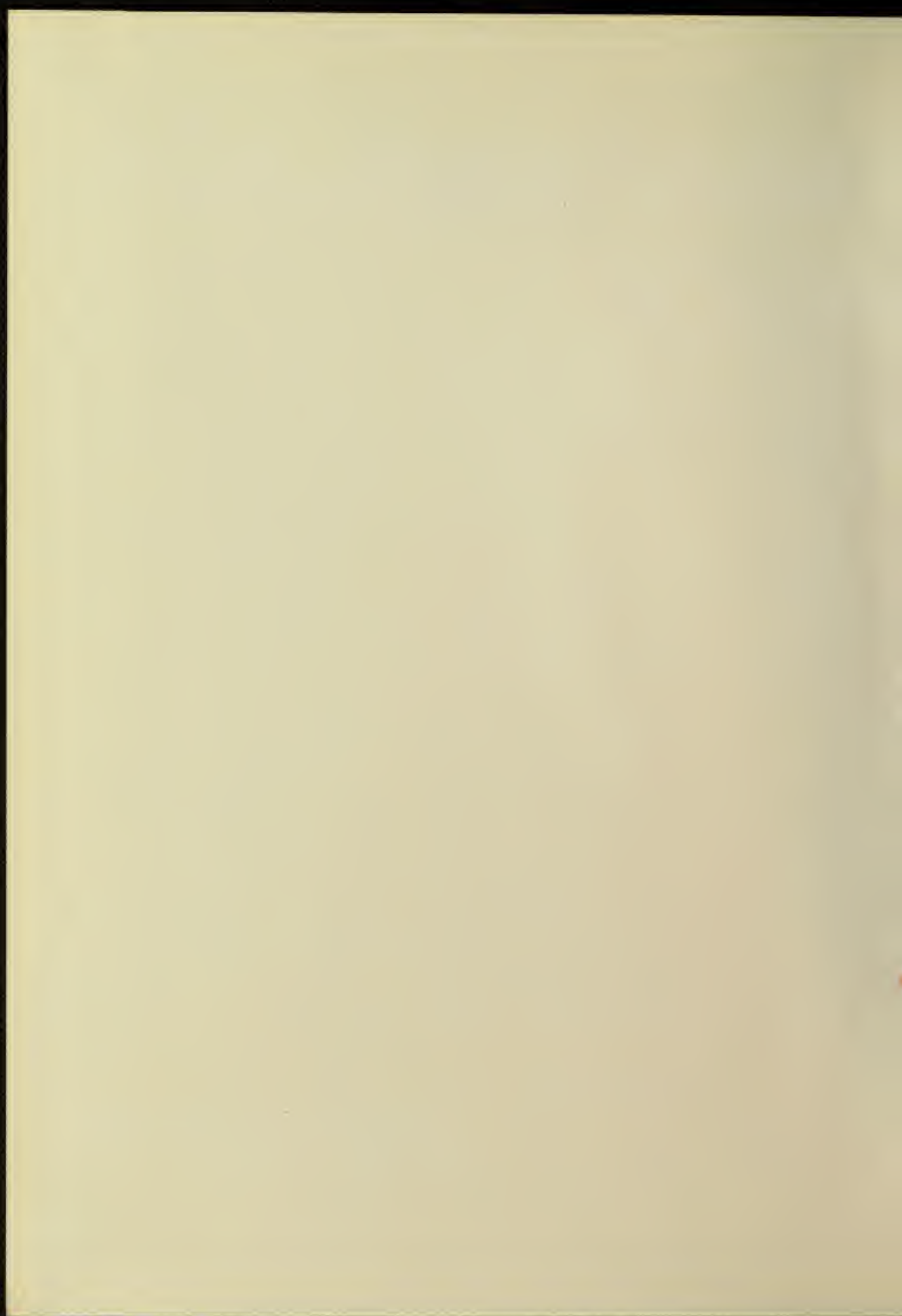
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# ENDOCRINOLOGY INDEX

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U.S. DEPARTMENT OF  
HEALTH, EDUCATION, AND WELFARE

Public Health Service  
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## EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

### Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

### Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are

numbered consecutively. These numbers are then used in the Author and Subject Indexes to enable the reader to identify references with ease. The complete citation (including index terms) are found but only the first three authors are listed. Foreign titles appear in the original language; these titles have been translated into English in the Subject Section. Following each citation are index terms which have been assigned to describe the contents of the article. Index terms appear in capital letters; some of these are accompanied by subheadings which appear in lower case letters. Asterisks (\*) identify the index terms under which articles appear in *Index Medicus*.

### Subject Index

All of the index terms assigned to the citations appearing in the bibliography are listed, followed by citation numbers which correspond to the numbers in the Author Section. The Subject Index is included for the convenience of the reader who wishes to select articles falling in categories of his own conception. For example, one who is interested in protein binding of a particular hormone could quickly find whether there were any articles dealing with this subject by determining if there were any citation numbers common to two headings "protein binding" and the name of the specific hormone.

### Author Index

The names of all authors are listed, followed by citation numbers which correspond to the numbers in the Author Section.

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# **ENDOCRINOLOGY INDEX**

**National Institute of Arthritis,  
Metabolism, and Digestive Diseases**

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## PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

*Endocrinology Index* was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1981.



# Table of Contents

## CATEGORY 1: PITUITARY

|  | Page |
|--|------|
| I. Physical and Functional Aspects                                     |      |
| Pituitary Function Tests . . . . .                                     | 1    |
| Pituitary-Adrenal Function Tests<br>(See CATEGORY 3: ADRENAL)          |      |
| Pituitary Gland . . . . .  | 1    |
| Pituitary Gland, Anterior . . . . .                                    | 4    |
| Pituitary Gland, Posterior . . . . .                                   | 7    |
| Pituitary Irradiation . . . . .  | 8    |
| II. Disorders of the Pituitary Gland                                   |      |
| Acromegaly . . . . .   | 9    |
| Adenoma, Basophilic . . . . .  | 9    |
| Adenoma, Chromophobe . . . . .   | 9    |
| Adenoma, Eosinophilic . . . . .  | 10   |
| Chiari-Frommel Syndrome . . . . .                                      | -    |
| Craniopharyngioma . . . . .  | 10   |
| Diabetes Insipidus . . . . .   | 10   |
| Dwarfism* . . . . .  | 11   |
| Dwarfism, Pituitary . . . . .  | 11   |
| Empty Sella Syndrome . . . . .   | 12   |
| Froehlich's Syndrome . . . . .   | -    |
| Gigantism . . . . .  | 12   |
| Hyperpituitarism* . . . . .  | 12   |
| Hypopituitarism* . . . . .   | 12   |
| Infantilism . . . . .  | -    |
| Inappropriate ADH Syndrome . . . . .                                   | 12   |
| Nelson's Syndrome . . . . .  | 13   |
| Pituitary Diseases* . . . . .  | 13   |
| Pituitary Gland, Abnormalities and Injuries . . . . .                  | 13   |
| Pituitary Gland, Anterior, Abnormalities and Injuries . . . . .        | -    |
| Pituitary Gland, Posterior, Abnormalities and Injuries . . . . .       | -    |
| Pituitary Neoplasms* . . . . .   | 13   |
| III. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs |      |
| Argipressin . . . . .  | 16   |
| Corticotropin (ACTH) . . . . .   | 16   |
| Cosyntropin . . . . .  | 19   |
| Desmopressin . . . . .   | 19   |
| Felypressin . . . . .  | 41   |
| Follicle Stimulating Hormone (FSH) . . . . .                           | 19   |
| Gonadotropins* . . . . .   | 22   |
| Gonadotropins, Pituitary* . . . . .                                    | 22   |
| Luteinizing Hormone (LH), (ICSH) . . . . .                             | 22   |
| Liptropins . . . . .   | 26   |
| Lypressin . . . . .  | 27   |
| Menotropins . . . . .  | 27   |

\*See also more specific terms

|   | Page |
|---|------|
| III. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs<br>(Continued) |      |
| Melanocyte Stimulating Hormone (MSH) . . . . .  | 27   |
| Neurophysins . . . . .  | 28   |
| Ornipressin . . . . .   | -    |
| Oxytocics . . . . .   | 28   |
| Oxytocin . . . . .  | 28   |
| Pituitary Hormones* . . . . .   | 29   |
| Pituitary Hormones, Anterior* . . . . .   | 29   |
| Pituitary Hormones, Posterior* . . . . .  | 30   |
| Pituitrin . . . . .   | 30   |
| Prolactin . . . . .   | 30   |
| Somatotropin (GH) . . . . .   | 33   |
| Thyrotropin (TSH) . . . . .   | 36   |
| Tocinamide . . . . .  | -    |
| Tocinoic Acid . . . . .   | -    |
| Vasopressins . . . . .  | 38   |
| Vasotocin . . . . .   | 39   |
| IV. Related Topics  |      |
| Cyclofenil (F6066) . . . . .  | -    |
| Hypophysectomy . . . . .  | 40   |
| Lactation . . . . .   | 40   |
| Somatomedin (Sulfation Factor). . . . .   | 41   |

## CATEGORY 2: THYROID

|   |    |
|---|----|
| I. Physical and Functional Aspects                  |    |
| Thyroid Function Tests* . . . . .                   | 43 |
| Basal Metabolism (See SUBJECT INDEX)                |    |
| Protein Bound Iodine Test (See V. Related Topics)   |    |
| Thyroid Gland . . . . .                             | 43 |
| Thyroidectomy . . . . .                             | 46 |
| II. Disorders of the Thyroid Gland                  |    |
| Cretinism . . . . .                                 | 48 |
| Goiter* . . . . .                                   | 48 |
| Goiter, Endemic . . . . .                           | 49 |
| Goiter, Exophthalmic . . . . .                      | 49 |
| Goiter, Nodular . . . . .                           | 50 |
| Goiter, Substernal . . . . .                        | 50 |
| Hyperthyroidism* . . . . .                          | 50 |
| Hypothyroidism* . . . . .                           | 53 |
| Myxedema . . . . .                                  | 55 |
| Thyroid Crisis . . . . .                            | 55 |
| Thyroid Diseases* . . . . .                         | 56 |
| Thyroid Gland, Abnormalities and Injuries . . . . . | 57 |
| Thyroid Neoplasms . . . . .                         | 57 |
| Thyroiditis . . . . .                               | 59 |
| Thyroiditis, Lymphomatous . . . . .                 | 60 |

\*See also more specific terms

|  | Page |
|--|------|
| III. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs |      |
| Calcitonin (See CATEGORY 6: PARATHYROID AND BONE)                    |      |
| Dextrothyroxine . . . . .  | 61   |
| Diiodothyronines . . . . .   | 61   |
| Diiodotyrosine . . . . .   | 61   |
| Iodotyrosine . . . . .   | 61   |
| Thyroglobulin . . . . .  | 61   |
| Thyroid Hormones* . . . . .  | 61   |
| Thyronines . . . . .   | 62   |
| Thyroxine . . . . .  | 63   |
| Triiodothyronine . . . . .   | 65   |
| Triiodothyronine, Reverse . . . . .                                  | 67   |
| IV. Thyroid Antagonists and Inhibitors                               |      |
| Carbimazole . . . . .  | 68   |
| Methimazole . . . . .  | 68   |
| Methylthiouracil . . . . .   | 68   |
| Propylthiouracil . . . . .   | 68   |
| Thiouracil . . . . .   | 69   |
| Thyroid Antagonists* . . . . .                                       | 69   |
| V. Related Topics  |      |
| Exophthalmos . . . . .   | 70   |
| Exophthalmos Producing Substances (EPS) . . . . .                    | -    |
| Iodides . . . . .  | 70   |
| Iodine . . . . .   | 70   |
| Iodoproteins . . . . .   | 71   |
| Long-Acting Thyroid Stimulator (LATS) . . . . .                      | 72   |
| Protein-Bound Iodine Test . . . . .                                  | 72   |
| Thyroxine Binding Protein . . . . .                                  | 72   |

### CATEGORY 3: ADRENAL

|   |    |
|---|----|
| I. Physical and Functional Aspects                  |    |
| Adrenal Cortex . . . . .                            | 73 |
| Adrenal Cortex Function Tests . . . . .             | 75 |
| Adrenal Glands . . . . .                            | 75 |
| Adrenalectomy . . . . .                             | 77 |
| Pituitary-Adrenal Function Tests . . . . .          | 78 |
| II. Disorders of the Adrenal Glands                 |    |
| Addison's Disease . . . . .                         | 79 |
| Adenoma, Virilizing . . . . .                       | 79 |
| Adrenal Cortex Abnormalities and Injuries . . . . . | -  |
| Adrenal Cortex Diseases . . . . .                   | 79 |
| Adrenal Cortex Neoplasms . . . . .                  | 79 |
| Adrenal Cortical Rest Tumor . . . . .               | -  |

\*See also more specific terms



|   | Page |
|---|------|
| II. Disorders of the Adrenal Glands (Continued)                             |      |
| Adrenal Gland Diseases* . . . . .   | 80   |
| Adrenal Gland Hyperfunction* . . . . .                                      | 80   |
| Adrenal Gland Hypofunction* . . . . .                                       | 81   |
| Adrenal Gland Neoplasms* . . . . .  | 81   |
| Adrenal Glands, Abnormalities and Injuries . . . . .                        | -    |
| Adrenogenital Syndrome . . . . .  | 82   |
| Bartter's Disease . . . . .   | 83   |
| Cushing's Syndrome . . . . .  | 83   |
| Hyperaldosteronism . . . . .  | 84   |
| Waterhouse-Friderichsen Syndrome . . . . .                                  | -    |
| III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs |      |
| Adrenal Cortex Hormones* . . . . .  | 86   |
| Aldosterone . . . . .   | 88   |
| Aldosterone Antagonists . . . . .   | 90   |
| Androgens* (See CATEGORY 4: GONADS)   |      |
| Androstanes* (See CATEGORY 4: GONADS)                                       |      |
| Androstenedione . . . . .   | 90   |
| Androsterone . . . . .  | 90   |
| Beclomethasone . . . . .  | 102  |
| Betamethasone . . . . .   | 90   |
| Betamethasone 17-Valerate . . . . .   | 102  |
| Clobetasol . . . . .  | -    |
| Corticosterone . . . . .  | 90   |
| Cortisone . . . . .   | 92   |
| Dehydroepiandrosterone . . . . .  | 92   |
| Desoxycorticosterone . . . . .  | 93   |
| Dexamethasone . . . . .   | 93   |
| Estranes* (See CATEGORY 4: GONADS)  |      |
| Estrogens* (See CATEGORY 4: GONADS)   |      |
| Estrone . . . . .   | 94   |
| Etiocholanolone . . . . .   | 95   |
| Fludrocortisone . . . . .   | 95   |
| Flumethasone . . . . .  | -    |
| Fluocinolone Acetonide . . . . .  | 95   |
| Fluocinonide . . . . .  | -    |
| Fluocortolone . . . . .   | -    |
| Fluorometholone . . . . .   | -    |
| Fluprednisolone . . . . .   | -    |
| Flurandrenolone . . . . .   | -    |
| Glucocorticoids* . . . . .  | 95   |
| Hydrocortisone . . . . .  | 96   |
| Hydrocortisone, Topical . . . . .   | 100  |
| Hydroxycorticosteroids . . . . .  | 100  |
| 11-Hydroxycorticosteroids . . . . .   | 100  |
| 17-Hydroxycorticosteroids . . . . .   | 100  |
| 11-Hydroxycorticosteroids, Synthetic . . . . .                              | -    |
| 18-Hydroxycorticosterone . . . . .  | 100  |
| 18-Hydroxydesoxycorticosterone . . . . .                                    | 100  |
| Hydroxycorticosteroids, Synthetic . . . . .                                 | -    |

\*See also more specific terms



|      |   |     |
|------|---|-----|
| III. | Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic<br>Analogues (Continued) |     |
|      | Hydroxypregnenolone . . . . .   | -   |
|      | Hydroxyprogesterone (See CATEGORY 4: GONADS)  |     |
|      | Ketosteroids. . . . .   | 101 |
|      | 17-Ketosteroids . . . . .   | 101 |
|      | Methylprednisolone . . . . .  | 101 |
|      | Paramethasone . . . . .   | -   |
|      | Prednisolone . . . . .  | 101 |
|      | Prednisolone, Topical . . . . .   | 102 |
|      | Prednisone . . . . .  | 102 |
|      | Pregnanediol (See CATEGORY 4: GONADS)   |     |
|      | Pregnanes* (See CATEGORY 4: GONADS)   |     |
|      | Pregnanetriol. . . . .  | -   |
|      | Pregnenes (See CATEGORY 4: GONADS)  |     |
|      | Pregnenolone (See CATEGORY 4: GONADS)   |     |
|      | Progesterone (See CATEGORY 4: GONADS)   |     |
|      | Tetrahydrocortisol . . . . .  | 102 |
|      | Tetrahydrocortisone . . . . .   | -   |
|      | Triamcinolone . . . . .   | 102 |
|      | Triamcinolone Acetonide. . . . .  | 102 |
| IV.  | Related Topics  |     |
|      | Aminoglutethimide . . . . .   | 103 |
|      | DDD . . . . .   | -   |
|      | Metirapone . . . . .  | 103 |
|      | Pituitary-Adrenal System . . . . .  | 103 |
|      | Renin . . . . .   | 104 |
|      | Spironolactone . . . . .  | 107 |
|      | Transcortin . . . . .   | 107 |
| V.   | Adrenal Medulla   |     |
|      | Adrenal Medulla . . . . .   | 108 |
|      | Adrenochrome . . . . .  | -   |
|      | Catecholamines* . . . . .   | 108 |
|      | Chromaffin Granules . . . . .   | 109 |
|      | Chromaffin System . . . . .   | 109 |
|      | Dopa . . . . .  | 109 |
|      | Dopamine . . . . .  | 109 |
|      | Epinephrine . . . . .   | 109 |
|      | Hydroxydopamine . . . . .   | 110 |
|      | Isoproterenol . . . . .   | -   |
|      | Levodopa . . . . .  | -   |
|      | Metanephrine. . . . .   | -   |
|      | Methyldopa . . . . .  | -   |
|      | Methyldopahydrazine . . . . .   | -   |
|      | Methylnorepinephrine . . . . .  | -   |
|      | Norepinephrine . . . . .  | 110 |
|      | Normetanephrine . . . . .   | -   |
|      | Pheochromocytoma . . . . .  | 110 |
|      | Vanilmandelic Acid . . . . .  | 112 |

\*See also more specific terms

## CATEGORY 4: GONADS

|   | Page |
|---|------|
| I. Physical and Functional Aspects                      |      |
| Gonads* . . . . .                                       | 113  |
| Ovary   |      |
| Corpus Luteum . . . . .                                 | 114  |
| Graafian Follicle . . . . .                             | 114  |
| Granulosa Cells . . . . .                               | 115  |
| Lutein Cells . . . . .                                  | 115  |
| Ovary* . . . . .  | 115  |
| Theca Cells . . . . .                                   | 117  |
| Testis  |      |
| Leydig Cells . . . . .                                  | 118  |
| Sertoli Cells . . . . .                                 | 118  |
| Testis* . . . . .                                       | 118  |
| II. Disorders of the Gonads                             |      |
| Arrhenoblastoma . . . . .                               | 123  |
| Bonnevie-Ullrich Syndrome . . . . .                     | -    |
| Brenner Tumor . . . . .                                 | 123  |
| Corpus Luteum, Abnormalities and Injuries . . . . .     | -    |
| Corpus Luteum Cyst . . . . .                            | -    |
| Cryptorchism . . . . .                                  | 123  |
| Dysgerminoma . . . . .                                  | 124  |
| Eunuchism . . . . .                                     | -    |
| Gonads, Abnormalities and Injuries . . . . .            | -    |
| Graafian Follicle, Abnormalities and Injuries . . . . . | -    |
| Granulosa Cell Tumor . . . . .                          | 124  |
| Gynandroblastoma . . . . .                              | 125  |
| Hermaphroditism . . . . .                               | 125  |
| Hypogonadism* . . . . .                                 | 125  |
| Infantilism (See CATEGORY 1: PITUITARY)                 |      |
| Klinefelter's Syndrome . . . . .                        | 125  |
| Leydig Cells, Abnormalities and Injuries . . . . .      | -    |
| Leydig Cell Tumor . . . . .                             | 126  |
| Meigs' Syndrome . . . . .                               | -    |
| Noonan Syndrome . . . . .                               |      |
| Ovarian Cysts . . . . .                                 | 126  |
| Ovarian Diseases* . . . . .                             | 127  |
| Ovarian Neoplasms* . . . . .                            | 127  |
| Ovary, Abnormalities and Injuries . . . . .             | 129  |
| Prader-Willi Syndrome . . . . .                         | 129  |
| Pseudohermaphroditism . . . . .                         | 129  |
| Puberty, Precocious . . . . .                           | 130  |
| Sertoli Cell Tumor . . . . .                            | 130  |
| Sertoli Cells, Abnormalities and Injuries . . . . .     | 130  |
| Sex Chromosome Abnormalities . . . . .                  | 130  |

\*See also more specific terms

|  | Page |
|--|------|
| II. Disorders of the Gonads (Continued)                              |      |
| Sex Differentiation Disorders . . . . .                              | 131  |
| Stein-Leventhal Syndrome . . . . .                                   | 131  |
| Struma Ovarii . . . . .  | 131  |
| Testicular Diseases* . . . . .                                       | 131  |
| Testicular Feminization . . . . .                                    | 132  |
| Testicular Neoplasms* . . . . .                                      | 132  |
| Testis, Abnormalities and Injuries . . . . .                         | 133  |
| Theca Cell Tumor . . . . .   | 133  |
| Turner's Syndrome . . . . .  | 134  |
| III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs |      |
| Algestone Acetophenide . . . . .                                     | 135  |
| Alphasone . . . . .  | 135  |
| Anabolic Steroids* . . . . .   | 135  |
| Androgen Antagonists . . . . .                                       | 135  |
| Androgens* . . . . .   | 135  |
| Androstanes* . . . . .   | 136  |
| Androstenes* . . . . .   | -    |
| Androstenols . . . . .   | 136  |
| Androsterone (See CATEGORY 3: ADRENAL)                               |      |
| Chlormadinone . . . . .  | 136  |
| Chlorotrianisene . . . . .   | -    |
| Clomiphene . . . . .   | 137  |
| Contraceptives, Oral* . . . . .                                      | 137  |
| Contraceptives, Oral, Hormonal. . . . .                              | 138  |
| Contraceptives, Postcoital . . . . .                                 | 139  |
| Corpus Luteum Hormones . . . . .                                     | -    |
| Cronolone . . . . .  | -    |
| Cyproterone . . . . .  | 139  |
| Dehydroepiandrosterone (See CATEGORY 3: ADRENAL)                     |      |
| Diethylstilbestrol . . . . .   | 139  |
| Dihydroxyprogesterone . . . . .                                      | 162  |
| Dimethisterone . . . . .   | -    |
| Dromostanolone . . . . .   | -    |
| Dydrogesterone . . . . .   | -    |
| Estradiol. . . . .   | 140  |
| Estradiol Antagonists . . . . .                                      | 144  |
| Estranes . . . . .   | -    |
| Estriol. . . . .   | 144  |
| Estrogen Antagonists . . . . .                                       | 145  |
| Estrogenic Substances, Conjugated . . . . .                          | 145  |
| Estrogens* . . . . .   | 145  |
| Estrogens Synthetic . . . . .  | 147  |
| Ethinyl Estradiol . . . . .  | 148  |
| Ethisterone . . . . .  | -    |
| Ethylestrenol. . . . .   | 149  |

\*See also more specific terms



| III. | Gonadal Hormones, Precursors, Metabolites and Synthetic<br>Analogues (Continued) | Page |
|------|--|------|
|      | Ethinodiol Diacetate . . . . .   | -    |
|      | Etiocholanolone (See CATEGORY 3: ADRENAL) . . . . .                              | -    |
|      | Fertility Agents . . . . .   | -    |
|      | Fertility Agents, Female, Hormonal . . . . .                                     | -    |
|      | Fertility Agents, Male, Hormonal . . . . .                                       | -    |
|      | Fluorometholone . . . . .  | -    |
|      | Fluoxymesterone . . . . .  | 149  |
|      | Gonanes* . . . . .   | -    |
|      | Hexestrol . . . . .  | 149  |
|      | Hydroxyestrone . . . . .   | 149  |
|      | Hydroxymethyltestosterone . . . . .  | -    |
|      | Hydroxyprogesterone . . . . .  | 149  |
|      | Hydroxytestosterones . . . . .   | -    |
|      | 17-Ketosteroids (See CATEGORY 3: ADRENAL)  |      |
|      | Lynestrenol . . . . .  | 150  |
|      | Medroxyprogesterone . . . . .  | 150  |
|      | Megestrol . . . . .  | -    |
|      | Mestranol . . . . .  | 150  |
|      | Methandrostenolone . . . . .   | 150  |
|      | Methenolone . . . . .  | 150  |
|      | Methyltestosterone . . . . .   | -    |
|      | Nandrolone. . . . .  | 151  |
|      | Norethandrolone . . . . .  | -    |
|      | Norethindrone . . . . .  | 151  |
|      | Norethynodrel . . . . .  | 151  |
|      | Norgestrel . . . . .   | 151  |
|      | Normethandrolone . . . . .   | -    |
|      | Oxandrolone . . . . .  | -    |
|      | Oxymetholone . . . . .   | 152  |
|      | Pregnanediol . . . . .   | 152  |
|      | Pregnanes*. . . . .  | 152  |
|      | Pregnanetriol (See CATEGORY 3: ADRENAL)  |      |
|      | Pregnenes*. . . . .  | 152  |
|      | Pregnenolone. . . . .  | 152  |
|      | Progestational Hormones. . . . .   | 153  |
|      | Progestational Hormones, Synthetic . . . . .                                     | 153  |
|      | Progesterone . . . . .   | 153  |
|      | Relaxin . . . . .  | 157  |
|      | Sex Hormones* . . . . .  | 157  |
|      | Stanolone . . . . .  | 157  |
|      | Stanozolol . . . . .   | 158  |
|      | Testolactone . . . . .   | -    |
|      | Testosterone . . . . .   | 158  |

\*See also more specific terms



|                                       | Page |
|---------------------------------------|------|
| IV. Related Topics                    |      |
| Castration . . . . .                  | 163  |
| Estrus . . . . .                      | 163  |
| Feminization . . . . .                | -    |
| Lactation (See CATEGORY 1: PITUITARY) |      |
| Ovulation . . . . .                   | 164  |
| Ovulation Induction . . . . .         | 165  |
| Puberty . . . . .                     | 165  |
| Sex Chromatin . . . . .               | 165  |
| Sex Chromosomes . . . . .             | 166  |
| Sex Determination . . . . .           | 166  |
| Sex Reversal, Gonadal . . . . .       | -    |

#### CATEGORY 5: PLACENTA

|  |     |
|--|-----|
| I. Physical and Functional Aspects . . . . .   | 167 |
| Placental Function Tests . . . . .   | 168 |
| II. Disorders of the Placenta  |     |
| Chorioadenoma . . . . .  | 169 |
| Choriocarcinoma . . . . .  | 169 |
| Hydatidiform Mole . . . . .  | 169 |
| Placenta, Abnormalities and Injuries . . . . .   | 170 |
| Placenta Disorders . . . . .   | 170 |
| Trophoblastic Tumor . . . . .  | 171 |
| III. Placental Hormones, Precursors, Metabolites and Synthetic Analogs<br>(See also specific terms in CATEGORY 3: ADRENAL and<br>CATEGORY 4: GONADS) |     |
| Gonadotropins, Chorionic . . . . .   | 172 |
| Gonadotropins, Equine . . . . .  | 173 |
| Placental Extracts . . . . .   | -   |
| Placental Hormones* . . . . .  | 174 |
| Placental Lactogen . . . . .   | 174 |
| Somatomammotropin . . . . .  | -   |

#### CATEGORY 6: PARATHYROID AND BONES

|  |     |
|--|-----|
| I. Physical and Functional Aspects . . . . .             | 175 |
| II. Disorders of the Parathyroid Glands                  |     |
| DiGeorge Syndrome . . . . .                              | 177 |
| Hyperparathyroidism . . . . .                            | 177 |
| Hyperparathyroidism, Secondary . . . . .                 | 178 |
| Hypoparathyroidism . . . . .                             | 178 |
| Parathyroid Diseases* . . . . .                          | -   |
| Parathyroid Glands, Abnormalities and Injuries . . . . . | 179 |
| Parathyroid Neoplasms . . . . .                          | 179 |

\*See also more specific terms

|  | Page |
|--|------|
| III. Parathyroid Hormone . . . . .       | 180  |
| IV. Bone Metabolism and Related Topics   |      |
| Bone and Bones . . . . .                 | 182  |
| Calcification, Physiologic . . . . .     | 185  |
| Calcitonin (Thyrocalcitonin) . . . . .   | 185  |
| Calcium Metabolism . . . . .             | 186  |
| Cholecalciferols . . . . .               | 190  |
| Dihydotachysterol . . . . .              | 191  |
| Dihydroxycholecalciferols . . . . .      | 191  |
| Ergocalciferol . . . . .                 | 192  |
| Hydroxycholecalciferols . . . . .        | 192  |
| Hypercalcemia . . . . .                  | 193  |
| Osteitis Fibrosa Cystica . . . . .       | 194  |
| Osteogenesis Imperfecta . . . . .        | 194  |
| Osteomalacia . . . . .                   | 195  |
| Osteopetrosis . . . . .                  | 195  |
| Osteoporosis . . . . .                   | 196  |
| Pseudohypoparathyroidism . . . . .       | 197  |
| Pseudopseudohypoparathyroidism . . . . . | 197  |
| Renal Osteodystrophy . . . . .           | 197  |
| Rickets . . . . .                        | 197  |
| Rickets, Vitamin D Resistant . . . . .   | 198  |
| Tetany . . . . .                         | 198  |
| Thyrocalcitonin (See Calcitonin)         |      |
| Vitamin A . . . . .                      | 198  |
| Vitamin D . . . . .                      | 198  |
| Vitamin D Deficiency . . . . .           | 199  |

#### CATEGORY 7: NEUROENDOCRINOLOGY

|  |     |
|--|-----|
| I. Physical and Functional Aspects                           |     |
| Amygdaloid Body . . . . .                                    | 201 |
| Hypothalamo-Hypophyseal System . . . . .                     | 201 |
| Hypothalamus . . . . .                                       | 203 |
| Hypothalamus, Anterior . . . . .                             | 208 |
| Hypothalamus, Medial . . . . .                               | 209 |
| Hypothalamus, Posterior . . . . .                            | 209 |
| Median Eminence . . . . .                                    | 210 |
| Neurosecretory Systems . . . . .                             | 210 |
| Pineal Body . . . . .  | 211 |
| II. Disorders of the Amygdaloid Body                         |     |
| Hypothalamus, Abnormalities and Injuries . . . . .           | -   |
| Hypothalamus, Anterior, Abnormalities and Injuries . . . . . | -   |
| Pinealoma . . . . .  | 213 |

### III. Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs

|   |     |
|---|-----|
| Corticotropin Releasing Hormone (CRH) . . . . .         | 214 |
| Endorphins . . . . .                                    | 214 |
| Enkephalins . . . . .                                   | 216 |
| Hypothalamic Hormones . . . . .                         | 217 |
| LH-FSH Releasing Hormone . . . . .                      | 217 |
| Melatonin . . . . .                                     | 220 |
| MSH Release Inhibiting Hormone . . . . .                | 220 |
| MSH Releasing Hormone . . . . .                         | 220 |
| Pituitary Hormone Release Inhibiting Hormones . . . . . | 220 |
| Pituitary Hormone Releasing Hormones* . . . . .         | 221 |
| Prolactin Release Inhibiting Hormone . . . . .          | 221 |
| Prolactin Releasing Hormone . . . . .                   | 222 |
| Somatotropin Release Inhibiting Hormone . . . . .       | 222 |
| Somatotropin Releasing Hormone . . . . .                | 224 |
| Thyrotropin Releasing Hormone (TRH) . . . . .           | 224 |

#### CATEGORY 8: CYCLIC NUCLEOTIDES

|  |     |
|--|-----|
| Adenosine Cyclic-3', 5'-Monophosphate. . . . . | 227 |
| Guanosine Cyclic-3', 5'-Monophosphate. . . . . | 230 |

#### CATEGORY 9: APPENDIX

|   |     |
|---|-----|
| Adenyl Cyclase . . . . .                      | 233 |
| Guanyl Cyclase . . . . .                      | 235 |
| Hormones, Ectopic . . . . .                   | 236 |
| Neoplastic Endocrine-like Syndromes . . . . . | 236 |
| Nerve Growth Factor . . . . .                 | 236 |
| Prostaglandins . . . . .                      | 237 |
| Prostaglandins A . . . . .                    | 239 |
| Prostaglandins B . . . . .                    | 240 |
| Prostaglandins D . . . . .                    | 240 |
| Prostaglandins E . . . . .                    | 240 |
| Prostaglandins F . . . . .                    | 243 |
| Prostaglandins G . . . . .                    | 246 |
| Prostaglandins H . . . . .                    | 246 |
| Prostaglandins X . . . . .                    | 246 |
| Receptors, Androgen . . . . .                 | 247 |
| Receptors, Angiotensin . . . . .              | 248 |
| Receptors, Cyclic AMP . . . . .               | 248 |
| Receptors, Estrogen. . . . .                  | 248 |
| Receptors, Glucocorticoid . . . . .           | 250 |
| Receptors, Hormone. . . . .                   | 251 |
| Receptors, Progesterone . . . . .             | 252 |
| Receptors, Prostaglandin. . . . .             | 252 |
| Receptors, Steroid . . . . .                  | 253 |

\*See also more specific terms

|                          | Page  |
|--------------------------|-------|
| REVIEW SECTION . . . . . | 255   |
| METHOD SECTION . . . . . | 263   |
| AUTHOR SECTION . . . . . | A-1   |
| SUBJECT INDEX . . . . .  | A-307 |
| AUTHOR INDEX . . . . .   | 343   |



# PITUITARY

## I. Physical and Functional Aspects

### PITUITARY FUNCTION TESTS

- Primary empty sella syndrome with panhypopituitarism, diabetes insipidus, and visual field defects. Cupps TR, et al. *Acta Endocrinol (Copenh)* 89(3):445-60, Nov 78
- Diagnosis of Sheehan's syndrome using a sequential pituitary stimulation test. DiZerega G, et al. *Am J Obstet Gynecol* 132(4):348-53, 15 Oct 78
- Pituitary disease: the endocrinologist's view. Males JL. *J Okla State Med Assoc* 71(8):311-4, Aug 78
- Anterior pituitary function before and after trans-sphenoidal microsurgical resection of pituitary tumors. McLanahan CS, et al. *Neurosurgery* 3(2):142-5, Sep-Oct 78
- [Criteria of interpretation of the LH-RH test. Preliminary investigation in the study of amenorrhea in the course of diabetes mellitus] Wierdis T, et al. *Minerva Ginecol* 30(9):695-706, Sep 78 (Ita)
- [Feasibility of using the antiandrogen 4-nitro-3-trifluoromethyl isobutyranilide to evaluate the gonadotropic reserves of the hypothalamo-hypophyseal system] Reznikov AG, et al. *Fiziol Zh* 24(5):687-91, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Somatotrophic function of the adenohypophysis in thymus hyperplasia in children] Kurbanov TG, et al. *Vopr Okhr Materin Det* 23(10):56-8, Oct 78 (Rus)

### METHODS

- The integrated gonadotrophin test. Santner SJ, et al. *Ann Intern Med* 89(4):512-3, Oct 78
- Clinical methods for the assessment of the sensitivity of the adenopituitary and ovary. Horský J, et al. *Czech Med* 1(3):153-5, 1978
- [A new modification of lh-rh test with a double response for preciseness of the diagnostics in gynecological endocrinology (author's transl)] Horský J, et al. *Cesk Gynecol* 43(8):583-8, Sep 78 (Eng. Abstr.) (Cze)

### PITUITARY GLAND

- [The differential diagnostic significance of neurological syndromes in a malignant tumors] Schröder F. *Z Gesamte Inn Med* 33(16):557-60, 15 Aug 78 (Eng. Abstr.) (Ger)
- [Heterogeneity of beta-endorphin in the rat pituitary gland and its incubation medium] Ogawa N. *Horumon To Rinsho* 26(6):611-3, Jun 78 (Jpn)

### ABNORMALITIES

- Familial syndrome with panhypopituitarism, hypoplasia of the hypophysis, and poorly developed sella turcica. Sipponen P, et al. *Arch Dis Child* 53(8):664-7, Aug 78
- Aspects of the human pharyngeal hypophysis in normal and anencephalic fetuses and neonates and their possible significance in the mechanism of its control. McGrath P. *J Anat* 127(1):65-81, Sep 78

### ANALYSIS

- Studies on a human chorionic gonadotrophin-like material present in non-pregnant subjects. Robertson DM, et al. *Acta Endocrinol (Copenh)* 89(3):492-505, Nov 78
- Clinical studies of 'big ACTH': its physico-chemical characteristics. Yamada Y, et al. *Acta Endocrinol (Copenh)* 89(2):221-31, Oct 78

- A betaLPH precursor model: recent developments concerning morphine-like substances. Chrétien M, et al. *Ann NY Acad Sci* 297:84-107, 28 Oct 77
- Isolation, structure, synthesis and morphine-like activity of beta-endorphin from human pituitary glands. Li CH, et al. *Ann NY Acad Sci* 297:158-66, 28 Oct 77
- Radioimmunoassay for gamma-endorphin. Jegou S, et al. *Biochem Biophys Res Commun* 83(1):201-8, 14 Jul 78
- Immunoreactive calcitonin in the intermediate lobe of the pituitary gland. Deftos LJ, et al. *Life Sci* 23(7):743-8, 21 Aug 78
- Isolation, characterization, and synthesis of a corticotropin-inhibiting peptide from human pituitary glands. Li CH, et al. *Proc Natl Acad Sci USA* 75(9):4306-9, Sep 78
- [Heterogeneity of beta-endorphin in the rat pituitary gland and its incubation medium] Ogawa N. *Horumon To Rinsho* 26(6):611-3, Jun 78 (Jpn)
- [Peptides which control pain (author's transl)] Shiomi H, et al. *Tanpakushitsu Kakusan Koso* 23(8):856-64, Jul 78 (99 ref.) (Jpn)

### ANATOMY & HISTOLOGY

- Anatomy of the dopaminergic neuron systems in the rat brain. Lindvall O, et al. *Adv Biochem Psychopharmacol* 19:1-23, 1978 (102 ref.)
- Immunocytochemical study of the neurohypophysial hormone producing system of the lungfish, *Protopterus aethiopicus*. Goossens N, et al. *Cell Tissue Res* 190(1):69-77, 26 Jun 78
- Age difference in the response to synthetic luteinizing hormone-releasing hormone (LHRH) in androgenized rats with special reference to the dose of testosterone propionate for androgenization. Fujii T, et al. *Endocrinol Jpn* 25(3):281-7, Jun 78
- Aspects of the human pharyngeal hypophysis in normal and anencephalic fetuses and neonates and their possible significance in the mechanism of its control. McGrath P. *J Anat* 127(1):65-81, Sep 78
- Pituitary gland of a hillstream sisorid catfish, *Pseudocheneis sulcatus* (McClelland). Gill TS, et al. *Z Mikrosk Anat Forsch* 91(3):557-67, 1977

### BLOOD SUPPLY

- The neurohypophyseal capillary bed. II. Specializations within median eminence. Page RB, et al. *Am J Anat* 153(1):33-65, Sep 78
- Development of the venous drainage of the equine hypophysis cerebri. Vitums A. *Anat Histol Embryol* 7(2):120-8, Jun 78
- The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)
- Aspects of the human pharyngeal hypophysis in normal and anencephalic fetuses and neonates and their possible significance in the mechanism of its control. McGrath P. *J Anat* 127(1):65-81, Sep 78

### CYTOLOGY

- Cytology and distribution of secretory cell types in the mouse hypophysis as demonstrated with immunocytochemistry. Baker BL, et al. *Am J Anat* 153(2):193-215, Oct 78
- Identification of the LH and TSH-secreting cells in the pituitary gland of the rhesus monkey. Herbert DC. *Cell Tissue Res* 190(1):151-61, 26 Jun 78
- Serotonin and MSH secretion: effect of parachlorophenylalanine on the pituitary cytology of the eel. Olivereau M. *Cell Tissue Res* 191(1):83-92, 13 Jul 78
- Effect of parachlorophenylalanine, a brain serotonin depletor,

## PITUITARY GLAND

## PITUITARY

- on the prolactin cells of the eel pituitary. Olivereau M. *Cell Tissue Res* 191(1):93-9, 13 Jul 78
- Culture of human pituitary prolactin and growth hormone cells. Snyder J, et al. *Cell Tissue Res* 191(3):379-88, 16 Aug 78
- Cytological changes of the pituitary basophils in rats slowly infused with LRH and with LRH and THR in combination. Soji T. *Endocrinol Jpn* 25(3):259-74, Jun 78
- Cytological changes of the pituitary basophils in rats slowly infused with thyrotropin-releasing hormone (TRH). Soji T. *Endocrinol Jpn* 25(3):245-58, Jun 78
- Human pituitary growth hormone cells in old age. Calderon L, et al. *Gerontology* 24(6):441-7, 1978
- Inhibin from cultures of rat seminiferous tubules. Eddie LW, et al. *J Endocrinol* 78(2):217-24, Aug 78
- Pituitary gland of a hillstream sisorid catfish, *Pseudecheneis sulcatus* (McClelland). Gill TS, et al. *Z Mikrosk Anat Forsch* 91(3):557-67, 1977

### DRUG EFFECTS

- Extra-CNS corticotropin-releasing factors. Brodish A. *Ann NY Acad Sci* 297:420-35, 28 Oct 77
- The cells of origin of ACTH in man. Halmi NS, et al. *Ann NY Acad Sci* 297:167-82, 28 Oct 77
- Fertility regulation in the male. de Kretser DM. *Bull WHO* 56(3):353-60, 1978
- Effect of parachlorophenylalanine, a brain serotonin depletor, on the prolactin cells of the eel pituitary. Olivereau M. *Cell Tissue Res* 191(1):93-9, 13 Jul 78
- Serotonin and MSH secretion: effect of parachlorophenylalanine on the pituitary cytology of the eel. Olivereau M. *Cell Tissue Res* 191(1):83-92, 13 Jul 78
- Ultrastructure of rat pituitary LH gonadotrophs in relation to serum and pituitary LH levels following repeated LH-RH stimulation. Römmler A, et al. *Cell Tissue Res* 190(1):135-49, 26 Jun 78
- In vivo methods for studying the action of hypothalamic hormones with special reference to their antisera as tools for investigation. Arimura A. *Curr Top Mol Endocrinol* 3:387-96, 1976 (25 ref.)
- Relation of the hypothalamo-pituitary-gonadal system to decline of reproductive functions in aging female rats. Meites J, et al. *Curr Top Mol Endocrinol* 3:3-20, 1976 (29 ref.)
- Age difference in the response to synthetic luteinizing hormone-releasing hormone (LHRH) in androgenized rats with special reference to the dose of testosterone propionate for androgenization. Fujii T, et al. *Endocrinol Jpn* 25(3):281-7, Jun 78
- Cytological changes of the pituitary basophils in rats slowly infused with LRH and with LRH and THR in combination. Soji T. *Endocrinol Jpn* 25(3):259-74, Jun 78
- Cytological changes of the pituitary basophils in rats slowly infused with thyrotropin-releasing hormone (TRH). Soji T. *Endocrinol Jpn* 25(3):245-58, Jun 78
- Changes of serum and pituitary TSH, LH and FSH concentrations following the slow infusion of TRH and LRH. Soji T. *Endocrinol Jpn* 25(3):231-6, Jun 78
- The effects of reserpine on hypothalamo-pituitary adrenocortical function. Vellucci SV. *Gen Pharmacol* 9(5):275-85, 1978 (98 ref.)
- Bovine ovarian and pituitary responses to PMS and GnRH administered during metestrus. Ford SP, et al. *J Anim Sci* 46(6):1701-6, Jun 78
- An inhibitory effect of melatonin on the luteinizing hormone releasing activity of luteinizing hormone releasing hormone in immature male dogs. Mieno M, et al. *J Endocrinol* 78(2):283-4, Aug 78
- Action potentials in rat and lizard pars intermedia cells: inhibition by dopamine and stimulation by 5-hydroxytryptamine, two suspected regulators of MSH secretion [proceedings] Douglas WW, et al. *J Physiol (Lond)* 280:13P, Jul 78
- Differential effects of dopamine antagonists on prolactin secretion from cultured rat pituitary cells. Denef C, et al. *Life Sci* 23(5):431-5, 7 Aug 78
- A comparison of the effects of anti-psychotic drugs on pituitary, striatal and limbic system post-synaptic dopamine receptors. Meltzer HY, et al. *Life Sci* 23(6):605-9, 14 Aug 78 (26 ref.)
- Sensitisation of pituitary cells to luteinising hormone releasing hormone by clomiphene citrate in vitro. Hsueh AJ, et al. *Nature* 273(5657):57-9, 4 May 78
- Treatment of chronic childhood asthma with beclomethasone dipropionate aerosols: II. Effect on pituitary-adrenal function after substitution for oral corticosteroids. Kershner H, et al. *Pediatrics* 62(2):189-97, Aug 78
- [Prednisolone blockade of the hypophysis in tests on the effectiveness of long-acting ACTH preparations in rats]

Hankeová A. *Cesk Farm* 27(4):178-81, Jun 78 (Eng. Abstr.) (Cze)

[The effect of anesthetics on the basal secretion of immunoreactive growth hormone in rats] Bluet-Pajot MT, et al. *C R Acad Sci [D] (Paris)* 286(23):1707-10, 12 Jun 78 (Eng. Abstr.) (Fre)

[Demonstration of pineal gland and pituitary involution in mice poisoned with carbon tetrachloride] Legait H, et al. *C R Soc Biol (Paris)* 172(2):289-92, 1978 (Eng. Abstr.) (Fre)

[Effect of synthetic LH-RH and hypothalamic extracts on RNA synthesis by rat pituitaries in vitro (author's transl)] Diaz-Chico BN, et al. *Rev Esp Fisiol* 34(2):127-30, Jun 78 (Eng. Abstr.) (Spa)

### EMBRYOLOGY

Development of the venous drainage of the equine hypophysis cerebri. Vitums A. *Anat Histol Embryol* 7(2):120-8, Jun 78

The cells of origin of ACTH in man. Halmi NS, et al. *Ann NY Acad Sci* 297:167-82, 28 Oct 77

Aspects of the human pharyngeal hypophysis in normal and anencephalic fetuses and neonates and their possible significance in the mechanism of its control. McGrath P. *J Anat* 127(1):65-81, Sep 78

### ENZYMOLGY

Specific activity of LHRH and TRH degrading enzymes in various tissues of normal and castrated male rats. Loudes C, et al. *Biochem Biophys Res Commun* 83(3):921-6, 14 Aug 78

### INNERVATION

Neural pathways involved in ACTH regulation. Palkovits M. *Ann NY Acad Sci* 297:455-76, 28 Oct 77

Action potentials in rat and lizard pars intermedia cells: inhibition by dopamine and stimulation by 5-hydroxytryptamine, two suspected regulators of MSH secretion [proceedings] Douglas WW, et al. *J Physiol (Lond)* 280:13P, Jul 78

### METABOLISM

Demonstration of neurosecretory substance in previously scanned specimens: adaptation of the Gomori aldehyde-fuchsin method for correlative SEM/TEM/LM histochemistry. Coates PW, et al. *Am J Anat* 153(3):469-75, Nov 78

Structure-function relationships in lipotropins. Gráf L, et al. *Ann NY Acad Sci* 297:63-83, 28 Oct 77

Isolation, structure, synthesis and morphine-like activity of beta-endorphin from human pituitary glands. Li CH, et al. *Ann NY Acad Sci* 297:158-66, 28 Oct 77

Structure and biosynthesis of peptides related to corticotropins and beta-melanotropins. Lowry PJ, et al. *Ann NY Acad Sci* 297:49-62, 28 Oct 77

Differential responsiveness of central noradrenergic and dopaminergic neuron tyrosine hydroxylase to hypophysectomy, ACTH and glucocorticoid administration. Van Loon GR, et al. *Ann NY Acad Sci* 297:284-94, 28 Oct 77

Effect of thyroid hormone, actinomycin D, cycloheximide and puromycin on TRH-induced secretion of TSH, as studied by pituitary concentration of cyclic AMP and intrathyroidal colloid droplet formation. Kotani M, et al. *Arch Int Pharmacodyn Ther* 234(1):145-55, Jul 78

Effects of estradiol on serum and pituitary gonadotropin concentrations during selective elevation of follicle stimulating hormone. Chappel SC, et al. *Biol Reprod* 19(1):159-66, Aug 78

Seasonal levels of pituitary and plasma gonadotropin in male and female Atlantic salmon parr. Crim LW, et al. *Can J Zool* 56(7):1550-5, Jul 78

Ultrastructure of rat pituitary LH gonadotrophs in relation to serum and pituitary LH levels following repeated LH-RH stimulation. Römmler A, et al. *Cell Tissue Res* 190(1):135-49, 26 Jun 78

Culture of human pituitary prolactin and growth hormone cells. Snyder J, et al. *Cell Tissue Res* 191(3):379-88, 16 Aug 78

Synthesis and biological activity of alpha-azapeptides: alpha-aza-analogues of luteinizing hormone releasing hormone. Dutta AS, et al. *Clin Endocrinol (Oxf)* 5 Suppl:291S-298S, 1976

Pharmacology of hypothalamic regulatory peptides. Vale W, et al. *Clin Endocrinol (Oxf)* 5 Suppl:261S-273S, 1976 (41 ref.)



- Steroid binding in the hypothalamus and pituitary. Raynaud JP, et al. *Curr Top Mol Endocrinol* 3:171-89, 1976
- Changes of serum and pituitary TSH, LH and FSH concentrations following the slow infusion of TRH and LRH. Soji T. *Endocrinol Jpn* 25(3):231-6, Jun 78
- Experimental studies concerning the mechanism of the thyroid-pineal interrelationship. II. Action of the pineal peptides on the pituitary TSH reserve and hypothalamic content of TRH in MTU-treated rats. Negoescu I, et al. *Endocrinologie* 16(3):199-204, Jul-Sep 78
- Release of beta-endorphin from rat pituitary in vitro. Przewlocki R, et al. *Eur J Pharmacol* 51(2):179-83, 15 Sep 78
- Changes in oestradiol-17beta binding in the hypothalamus and pituitary glands of persistently infertile ewes previously exposed to oestrogen subterranean clover: evidence of alterations to oestradiol receptors. Tang BY, et al. *J Endocrinol* 78(2):171-7, Aug 78
- Receptors for luteinizing hormone-releasing hormone. Sternberger LA. *J Histochem Cytochem* 26(7):542-4, Jul 78
- A comparison of the effects of anti-psychotic drugs on pituitary, striatal and limbic system post-synaptic dopamine receptors. Meltzer HY, et al. *Life Sci* 23(6):605-9, 14 Aug 78 (26 ref.)
- Regional uptake of endogenous corticosterone by rat brain following stress. Kakiyama R, et al. *Res Commun Chem Pathol Pharmacol* 21(2):213-22, Aug 78
- Diurnal variations of renin-like activity in pineal gland, hypophysis and hypothalamus of the rat. Haulicá I, et al. *Rev Med Chir Soc Med Nat Iasi* 82(2):283-90, Apr-Jun 78
- beta-Endorphin is not detectable in plasma from normal human subjects. Suda T, et al. *Science* 202(4364):221-3, 13 Oct 78
- [Biological effect of thyrotropin releasing hormone] Klingler W, et al. *Med Welt* 29(42):1645-6, 20 Oct 78 (Ger)
- [Effect of synthetic LH-RH and hypothalamic extracts on RNA synthesis by rat pituitaries in vitro (author's transl)] Diaz-Chico BN, et al. *Rev Esp Fisiol* 34(2):127-30, Jun 78 (Eng. Abstr.) (Spa)

## PATHOLOGY

- Sella turcica enlargement and primary adrenal insufficiency. Dluhy RG, et al. *Ann Intern Med* 89(4):513-4, Oct 78
- Immunostaining of growth hormone and prolactin in paraffin-embedded and stored or previously stained materials. Halmi NS. *J Histochem Cytochem* 26(7):486-95, Jul 78 (25 ref.)
- [Demonstration of pineal gland and pituitary involution in mice poisoned with carbon tetrachloride] Legait H, et al. *C R Soc Biol (Paris)* 172(2):289-92, 1978 (Eng. Abstr.) (Fre)

## PHYSIOLOGY

- The neural regulation of compensatory adrenal growth. Dallman MF, et al. *Ann NY Acad Sci* 297:373-92, 28 Oct 77
- A survey of the hormonal factors that control calcium metabolism. MacIntyre I, et al. *Ann NY Acad Sci* 307:345-55, 28 Apr 78 (15 ref.)
- Short light-dark cycles and paradoxical sleep in the rat: effect of strain difference and hypophysectomy. Tobler I, et al. *Behav Biol* 23(3):395-8, Jul 78
- Pituitary involvement in the sexual differentiation and 3-methylcholanthrene induction of rat liver microsomal monooxygenases. Burke MD, et al. *Biochem Pharmacol* 27(8):1125-8, 1978
- Hormonal induction of mammary tumor viruses and its implications for carcinogenesis. McGrath CM, et al. *Cancer Res* 38(11 Pt 2):4112-25, Nov 78 (60 ref.)
- Effect of hypophysectomy and aflatoxin B1 on rat liver. Neal GE, et al. *Cancer Res* 38(10):3460-7, Oct 78
- Ultrastructural studies on prolactin and growth hormone cells in Anguilla pituitaries in long term cultures. Benjamin M, et al. *Cell Tissue Res* 191(1):161-70, 13 Jul 78
- Serotonin and MSH secretion: effect of parachlorophenylalanine on the pituitary cytology of the eel. Olivereau M. *Cell Tissue Res* 191(1):83-92, 13 Jul 78
- Effect of parachlorophenylalanine, a brain serotonin depletor, on the prolactin cells of the eel pituitary. Olivereau M. *Cell Tissue Res* 191(1):93-9, 13 Jul 78
- The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)
- Influence of hormonal contraceptives on the pituitary response to LH/FSH-releasing hormone. Carol W, et al. *Endokrinologie* 71(3):277-85, Mar 78
- Experimental and seasonal changes in the pituitary of the Teleost Heteropneustes fossilis (Bloch). Haider S.

- Endokrinologie* 72(1):9-16, Apr 78
- Pituitary-ovarian relationships during the post-reproductive phase of inbred mice. Gosden RG, et al. *Exp Gerontol* 13(3-4):159-66, 1978
- Neuroendocrine response patterns in dominant and subordinate mice. Ely DL, et al. *Horm Behav* 10(2):156-69, Apr 78
- Seasonal variations in the endocrine system of hibernators. pp. 103-10. Johansson BW.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (45 ref.)
- Transitory changes of hormones in plasma of postpartum dairy cows. Goodale WS, et al. *J Dairy Sci* 61(6):740-6, Jun 78
- Effects of age and ovarian function on the pituitary-thyroid system in female rats. Chen HJ, et al. *J Endocrinol* 78(2):225-32, Aug 78
- Action potentials in rat and lizard pars intermedia cells: inhibition by dopamine and stimulation by 5-hydroxytryptamine, two suspected regulators of MSH secretion [proceedings] Douglas WW, et al. *J Physiol (Lond)* 280:13P, Jul 78
- Pituitary uterotrophic effect in the estrogen-dependent growth of the rat uterus. Sonnenschein C, et al. *J Steroid Biochem* 9(6):533-7, Jun 78
- Renal-adrenal inter-relationships. Dempster WJ. *Jpn Heart J* 19(3):426-33, May 78
- Effects of ACTH and the adrenals on serum and antral gastrin levels in the rat. Sander LD, et al. *Proc Soc Exp Biol Med* 158(4):609-13, Sep 78
- Rod outer segments elongate in constant light: darkness is required for normal shedding. Currie JR, et al. *Vision Res* 18(8):995-1003, 1978
- [Levels of somatotrophic hormone in plasma and growth changes in patients with cystic fibrosis] Rubio Pérez P, et al. *Rev Clin Esp* 149(3):229-32, 15 May 78 (Eng. Abstr.) (Spa)

## PHYSIOPATHOLOGY

- Pituitary function after pituitary apoplexy. Pelkonen R, et al. *Am J Med* 65(5):773-8, Nov 78
- The disappearance of HCG and return of pituitary function after abortion. Lähteenmäki P. *Clin Endocrinol (Oxf)* 9(2):101-12, Aug 78
- Endocrine responses to malnutrition in animals with special reference to metabolic hormones. pp. 313-20. Leatham J.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Hormonal response to stress in the squirrel monkey (*Saimiri sciureus*). Coe CL, et al. *Neuroendocrinology* 26(6):367-77, 1978
- Treatment of chronic childhood asthma with beclomethasone dipropionate aerosols: II. Effect on pituitary-adrenal function after substitution for oral corticosteroids. Kershner H, et al. *Pediatrics* 62(2):189-97, Aug 78
- Direct and pituitary-mediated effects of delta9-THC and cannabinal on the testis. Dalterio S, et al. *Pharmacol Biochem Behav* 8(6):673-8, Jun 78
- [Effect of rheumatism on hypophyseal gonadotrophic function in adolescent girls] Kulikova LF. *Akush Ginekol (Mosk)* (8):30-3, Aug 78 (Eng. Abstr.) (Rus)
- [Gonadotrophic function of the hypophysis in different forms of gonadal dysgenesis] Veinberg EG, et al. *Akush Ginekol (Mosk)* (8):20-4, Aug 78 (Eng. Abstr.) (Rus)

## RADIOGRAPHY

- Primary hypothyroidism and pituitary enlargement. Radiological evidence of pituitary regression. Jawadi MH, et al. *Arch Intern Med* 138(10):1555-7, Oct 78

## SECRETION

- Cytology and distribution of secretory cell types in the mouse hypophysis as demonstrated with immunocytochemistry. Baker BL, et al. *Am J Anat* 153(2):193-215, Oct 78
- Plasma ACTH levels in stressed and nonstressed adrenalectomized rats. Ruhmann-Wennhold A, et al. *Ann NY Acad Sci* 297:498-508, 28 Oct 77
- Ultrastructural studies on prolactin and growth hormone cells in Anguilla pituitaries in long term cultures. Benjamin M, et al. *Cell Tissue Res* 191(1):161-70, 13 Jul 78
- Identification of the LH and TSH-secreting cells in the pituitary gland of the rhesus monkey. Herbert DC. *Cell Tissue Res* 190(1):151-61, 26 Jun 78
- The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)



## PITUITARY GLAND

- Pharmacology of hypothalamic regulatory peptides. Vale W, et al. *Clin Endocrinol (Oxf)* 5 Suppl:261S-273S, 1976 (41 ref.)
- Human pituitary growth hormone cells in old age. Calderon L, et al. *Gerontology* 24(6):441-7, 1978
- Inhibin from cultures of rat seminiferous tubules. Eddie LW, et al. *J Endocrinol* 78(2):217-24, Aug 78
- An inhibitory effect of melatonin on the luteinizing hormone releasing activity of luteinizing hormone releasing hormone in immature male dogs. Mieno M, et al. *J Endocrinol* 78(2):283-4, Aug 78
- Differential effects of dopamine antagonists on prolactin secretion from cultured rat pituitary cells. Denef C, et al. *Life Sci* 23(5):431-5, 7 Aug 78
- [Heterogeneity of beta-endorphin in the rat pituitary gland and its incubation medium] Ogawa N. *Horumon To Rinsho* 26(6):611-3, Jun 78 (Jpn)
- [Endorphins] Gumulka W, et al. *Pol Tyg Lek* 33(24):969-71, 12 Jun 78 (25 ref.) (Pol)

### SURGERY

- The operative microscope in clinical neurosurgery. Salcman M, et al. *Md State Med J* 27(9):55-7, Sep 78
- [Practical value of new knowledge on the structure and function of pituitary adenomas] Landolt AM. *Schweiz Med Wochenschr* 108(40):1521-35, 7 Oct 78 (76 ref.) (Eng. Abstr.) (Ger)

### TRANSPLANTATION

- The role of the hypothalamus in the tonic secretion of prolactin induced by oestrogens in the rat. Kato H, et al. *Acta Endocrinol (Copenh)* 89(3):417-24, Nov 78
- The effect of 2-Br-alpha-ergocryptine on the hepatic steroid metabolism and serum pituitary hormone levels in normal rats and rats with an ectopic pituitary. Skett P, et al. *Biochem Pharmacol* 27(13):1713-6, 1978

### ULTRASTRUCTURE

- Demonstration of neurosecretory substance in previously scanned specimens: adaptation of the Gomori aldehyde-fuchsin method for correlative SEM/TEM/LM histochemistry. Coates PW, et al. *Am J Anat* 153(3):469-75, Nov 78
- The neurohypophyseal capillary bed. II. Specializations within median eminence. Page RB, et al. *Am J Anat* 153(1):33-65, Sep 78
- Heterogeneity of ACTH-containing cells in the rat pituitary, with emphasis on the structure and function of the intermediate lobe. Moriarty GC. *Ann NY Acad Sci* 297:183-200, 28 Oct 77
- Ultrastructural studies on prolactin and growth hormone cells in Anguilla pituitaries in long term cultures. Benjamin M, et al. *Cell Tissue Res* 191(1):161-70, 13 Jul 78
- Culture of human pituitary prolactin and growth hormone cells. Snyder J, et al. *Cell Tissue Res* 191(3):379-88, 16 Aug 78
- Cytological changes of the pituitary basophils in rats slowly infused with LRH and with LRH and TRH in combination. Soji T. *Endocrinol Jpn* 25(3):259-74, Jun 78
- Cytological changes of the pituitary basophils in rats slowly infused with thyrotropin-releasing hormone (TRH). Soji T. *Endocrinol Jpn* 25(3):245-58, Jun 78
- Experimental and seasonal changes in the pituitary of the Teleost *Heteropneustes fossilis* (Bloch). Haider S. *Endokrinologie* 72(1):9-16, Apr 78
- Immunocytochemical evidence for vasopressin receptors. Castel M. *J Histochem Cytochem* 26(7):581-92, Jul 78

## PITUITARY GLAND, ANTERIOR

### ANALYSIS

- The cells of origin of ACTH in man. Halmi NS, et al. *Ann NY Acad Sci* 297:167-82, 28 Oct 77
- Discrimination of LH, FSH, TSH and ACTH in dissociated porcine anterior pituitary cells by light and electron microscope immunocytochemistry. Batten TF, et al. *Cell Tissue Res* 192(1):107-20, 25 Aug 78
- Impairment of the hypothalamo-pituitary-ovarian axis of the athymic 'nude' mouse. Weinstein Y. *Mech Ageing Dev* 8(1):63-8, Jul 78
- [Interaction between the hypothalamo-hypophyseal system and the thyroid gland during different age periods] Frol'kis VV, et al. *Biull Eksp Biol Med* 86(8):133-7, Aug 78 (Eng. Abstr.) (Rus)

## PITUITARY

### ANATOMY & HISTOLOGY

- A modified tetrachrome staining technique for the adenohypophysis of dogs, rats and rabbits. Attia MA. *Arch Toxicol (Berl)* 40(4):295-301, 9 Aug 78

### CYTOLOGY

- Specific subclones derived from a multipotential clone of rat anterior pituitary cells. Shiino M, et al. *Am J Anat* 153(1):81-95, Sep 78
- The cells of origin of ACTH in man. Halmi NS, et al. *Ann NY Acad Sci* 297:167-82, 28 Oct 77
- Heterogeneity of ACTH-containing cells in the rat pituitary, with emphasis on the structure and function of the intermediate lobe. Moriarty GC. *Ann NY Acad Sci* 297:183-200, 28 Oct 77
- The origin of ACTH cells in rat anterior pituitary. Nakane PK, et al. *Ann NY Acad Sci* 297:201-4, 28 Oct 77
- A modified tetrachrome staining technique for the adenohypophysis of dogs, rats and rabbits. Attia MA. *Arch Toxicol (Berl)* 40(4):295-301, 9 Aug 78
- Structure of the Adenohypophysis in parturient female and neonate harp seals, *Pagophilus groenlandicus*. Leatherland JF, et al. *Cell Tissue Res* 192(2):341-57, 5 Sep 78
- Inhibitory activity of analogues of luteinizing hormone-releasing hormone (LH-RH) in vitro and in vivo. Ferland L, et al. *Clin Endocrinol (Oxf)* 5 Suppl:279S-289S, 1976
- Applications of adenohypophyseal cell cultures to neuroendocrine studies. Vale W, et al. *Curr Top Mol Endocrinol* 3:397-429, 1976 (72 ref.)
- Differentiation of two types of endocrine cells which take up amine precursors using their capacity to take up the fluorescent dihydroisoquinoline derivative of dopamine. Partanen S. *Histochemistry* 57(2):161-75, 25 Aug 78
- Fluorescence histochemistry of peptide hormone-producing cells: observations on the phenanthrenequinone method for the demonstration of arginine residues. Sundler F, et al. *Histochemistry* 56(3-4):221-7, 12 Jul 78
- [Electron microscope observation of 'thyroidectomy cells' in the hypophyseal ventral lobe of a *Chondrichthyan* fish, the small spotted dogfish, *Scylium canalicula* Cuv.] Alluchon-Gérard MJ, et al. *C R Acad Sci [D] (Paris)* 286(21):1511-4, 29 May 78 (Eng. Abstr.) (Fre)

### DRUG EFFECTS

- Fine structure of rat prolactin cells after treatment with a long acting depot contraceptive. Aumüller G, et al. *Acta Endocrinol (Copenh)* 89(2):251-62, Oct 78
- On the relative biological and immunoreactive potencies of luteinizing hormone in the oestradiol benzoate-treated male rat. Grotjan HE Jr, et al. *Acta Endocrinol (Copenh)* 89(3):538-50, Nov 78
- Action of testosterone propionate on the gonadotrophic function of the pituitary gland in the cyclic female rat. Hassani M, et al. *Acta Endocrinol (Copenh)* 89(3):551-6, Nov 78
- Effects of two substituted benzamides, tiapride and sultopride, on gonadotrophins and prolactin. L'Hermite M, et al. *Acta Endocrinol (Copenh)* 89(1):29-37, Sep 78
- Influence of oral contraceptives on immediate postabortal pituitary-ovarian function. Lähteenmäki P. *Acta Obstet Gynecol Scand Suppl* 76:1-43, 1978
- Deranged anterior pituitary responsiveness to hypothalamic hormones in depressed patients. Brambilla F, et al. *Arch Gen Psychiatry* 35(10):1231-8, Oct 78
- Metabolism of lergotril to 13-hydroxy lergotril, a potent inhibitor of prolactin release in vitro. Parli CJ, et al. *Biochem Pharmacol* 27(9):1405-8, 1 May 78
- Effects of acute administration of monosodium-L-glutamate (MSG), atropine or haloperidol on anterior pituitary hormone secretion in the rat. Nemeroff CB, et al. *Brain Res* 156(1):198-201, 3 Nov 78
- Inhibitory activity of analogues of luteinizing hormone-releasing hormone (LH-RH) in vitro and in vivo. Ferland L, et al. *Clin Endocrinol (Oxf)* 5 Suppl:279S-289S, 1976
- Neuropharmacological aspects of the neural control of prolactin secretion. Clemens JA. *Curr Top Mol Endocrinol* 3:283-301, 1976 (34 ref.)
- Analogues of somatostatin. Part A. Chemistry and in vitro results. Immer H, et al. *Curr Top Mol Endocrinol* 3:373-8, 1976
- Neurotransmitters and control of pituitary function. Kordon C, et al. *Curr Top Mol Endocrinol* 3:51-61, 1976
- New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al. *Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)



Role of prostaglandins (PGs) in the control of adenohipophyseal hormone secretion. McCann SM, et al. *Curr Top Mol Endocrinol* 3:21-35, 1976 (36 ref.)

Applications of adenohipophyseal cell cultures to neuroendocrine studies. Vale W, et al. *Curr Top Mol Endocrinol* 3:397-429, 1976 (72 ref.)

Experimental studies concerning the mechanism of the thyroid-pineal interrelationship. II. Action of the pineal peptides on the pituitary TSH reserve and hypothalamic content of TRH in MTU-treated rats. Negoescu I, et al. *Endocrinologie* 16(3):199-204, Jul-Sep 78

Effects of pimozide and bromocriptine on anterior pituitary cell proliferation. Stepień H, et al. *J Neural Transm* 42(3):239-44, 1978

Changes in prolactin secretion in lactating rats assessed by correlative morphometric and biochemical methods. Häusler A, et al. *J Ultrastruct Res* 64(1):74-84, Jul 78

Impairment of the hypothalamo-pituitary-ovarian axis of the athymic 'nude' mouse. Weinstein Y. *Mech Ageing Dev* 8(1):63-8, Jul 78

Thyroxine to 3,5,3'-triiodothyronine conversion by rat anterior pituitary and liver. Silva JE, et al. *Metabolism* 27(11):1601-7, Nov 78

Sensitisation of pituitary cells to luteinising hormone releasing hormone by clomiphene citrate in vitro. Hsueh AJ, et al. *Nature* 273(5657):57-9, 4 May 78

Dopaminergic control of adenohipophyseal growth after oestrogens: negative results with L-DOPA, RO-4-4602, alpha-methyl-DOPA, apomorphine, haloperidol, pyridoxine and cyproheptadine. Schreiber V, et al. *Physiol Bohemoslov* 27(4):308-12, 1978

The effect of hexose monophosphate shunt inhibitors on adenohipophyseal and ceruloplasmin reactions to oestrogen. Schreiber V, et al. *Physiol Bohemoslov* 27(4):301-7, 1978

TSH and ACTH secretion and cyclic adenosine 3',5' monophosphate content following stimulation with TRH or lysine vasopressin in vitro: suppression by thyroxine and dexamethasone. Rose JC, et al. *Proc Soc Exp Biol Med* 158(4):524-9, Sep 78

Effect of prostaglandin F2alpha on ovarian and pituitary function in the mid-luteal phase. Kajanoja P, et al. *Prostaglandins* 16(2):327-32, Aug 78

Hypophysial responses to continuous and intermittent delivery of hypothalamic gonadotropin-releasing hormone. Belchetz PE, et al. *Science* 202(4368):631-3, 10 Nov 78

The effect of progesterone analogues, naturally occurring steroids, and contraceptive progestins on hypothalamic and anterior pituitary delta4-steroid (progesterone) 5alpha-reductase. Krause JE, et al. *Steroids* 31(6):823-39, Jun 78

[Effects of testosterone propionate on LH and testosterone concentrations before and after the injection of gonadoliberein in young bulls pre-treated with dexamethasone] Thibier M, et al. *C R Acad Sci [D] (Paris)* 286(24):1803-6, 19 Jun 78 (Eng. Abstr.) (Fre)

[Behavior of pituitary secretion after acute cimetidine overload] Marugo M, et al. *Boll Soc Ital Biol Sper* 54(3):282-6, 15 Feb 78 (Ita)

## EMBRYOLOGY

The origin of ACTH cells in rat anterior pituitary. Nakane PK, et al. *Ann NY Acad Sci* 297:201-4, 28 Oct 77

Prevalence of growth hormone deficiency in children with cleft lip or palate. Rudman D, et al. *J Pediatr* 93(3):378-82, Sep 78

## ENZYMOLGY

Time-dependent decrease of pituitary response to LH-RH after chronic treatment of intact female rats with ethinyloestradiol and norethindrone. Kuhl H, et al. *Acta Endocrinol (Copenh)* 89(2):240-50, Oct 78

Localization of ATPase activity to the glial-like cells of the pars intermedia. Semoff S, et al. *Gen Comp Endocrinol* 35(3):329-41, Jul 78

The effect of progesterone analogues, naturally occurring steroids, and contraceptive progestins on hypothalamic and anterior pituitary delta4-steroid (progesterone) 5alpha-reductase. Krause JE, et al. *Steroids* 31(6):823-39, Jun 78

## GROWTH & DEVELOPMENT

Dopaminergic control of adenohipophyseal growth after oestrogens: negative results with L-DOPA, RO-4-4602, alpha-methyl-DOPA, apomorphine, haloperidol, pyridoxine and cyproheptadine. Schreiber V, et al. *Physiol Bohemoslov* 27(4):308-12, 1978

## IMMUNOLOGY

Binding bovine immunoglobulins to anterior lobe cells of the hypophysis. Boyd WH, et al. *Experientia* 34(8):1090-2, 15 Aug 78

[Tissue specific antigen of the caudal lobe of the chicken adenohipophysis] Barabanov VM, et al. *Biull Eksp Biol Med* 86(8):209-11, Aug 78 (Eng. Abstr.) (Rus)

## METABOLISM

On the relative biological and immunoreactive potencies of luteinizing hormone in the oestradiol benzoate-treated male rat. Grotjan HE Jr, et al. *Acta Endocrinol (Copenh)* 89(3):538-50, Nov 78

Binding of gonadotrophin releasing hormone (GnRH) by bovine anterior pituitary plasma membranes and purified GnRH receptor protein (GnRH.R). Zolman JC, et al. *Acta Endocrinol (Copenh)* 89(2):232-9, Oct 78

Sex difference in LH response to LHRH and DBcAMP and effect of testosterone. Tang LK. *Am J Physiol* 235(3):E291-4, Sep 78

Heterogeneity of ACTH-containing cells in the rat pituitary, with emphasis on the structure and function of the intermediate lobe. Moriarty GC. *Ann NY Acad Sci* 297:183-200, 28 Oct 77

The origin of ACTH cells in rat anterior pituitary. Nakane PK, et al. *Ann NY Acad Sci* 297:201-4, 28 Oct 77

Metabolism of lergotril to 13-hydroxy lergotril, a potent inhibitor of prolactin release in vitro. Parli CJ, et al. *Biochem Pharmacol* 27(9):1405-8, 1 May 78

Cyclic gonadotropin release in the presence and absence of estrogenic feedback in ovariectomized golden hamsters. Stetson MH, et al. *Biol Reprod* 19(1):40-50, Aug 78

Role of microtubules in the intracellular transport of growth hormone. Howell SL, et al. *Cell Tissue Res* 190(1):163-71, 26 Jun 78

New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al. *Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)

Role of kidney, liver and hypophysis in erythropoietin production. Peschle C, et al. *Haematologica (Pavia)* 63(4):349-58, Aug 78

Differentiation of two types of endocrine cells which take up amine precursors using their capacity to take up the fluorescent dihydroisoquinoline derivative of dopamine. Partanen S. *Histochemistry* 57(2):161-75, 25 Aug 78

Thyroxine to 3,5,3'-triiodothyronine conversion by rat anterior pituitary and liver. Silva JE, et al. *Metabolism* 27(11):1601-7, Nov 78

TSH and ACTH secretion and cyclic adenosine 3',5' monophosphate content following stimulation with TRH or lysine vasopressin in vitro: suppression by thyroxine and dexamethasone. Rose JC, et al. *Proc Soc Exp Biol Med* 158(4):524-9, Sep 78

[Transmission of light through the skull in rats of both sexes] Viggiani E, et al. *Boll Soc Ital Biol Sper* 54(7):665-9, 15 Apr 78 (Ita)

## PHYSIOLOGY

The hormonal regulation of hepatic microsomal 11beta-hydroxysteroid dehydrogenase activity in the rat. Lax ER, et al. *Acta Endocrinol (Copenh)* 89(2):352-8, Oct 78

Coated vesicles in the rat anterior pituitary gland. Warchol JB, et al. *Acta Histochem (Jena)* 61(2):296-304, 1978

Assays and dynamics of corticotropin-releasing factor activity in rat hypothalamus. Hiroshige T, et al. *Ann NY Acad Sci* 297:436-54, 28 Oct 77

Control of anterior pituitary function. Locke W. *Arch Intern Med* 138(10):1541-5, Oct 78

The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)

Role of sex steroids on LH and FSH secretion in the rat. Ferland L, et al. *Curr Top Mol Endocrinol* 3:191-209, 1976 (35 ref.)

Applications of adenohipophyseal cell cultures to neuroendocrine studies. Vale W, et al. *Curr Top Mol Endocrinol* 3:397-429, 1976 (72 ref.)

Clinical methods for the assessment of the sensitivity of the adenopituitary and ovary. Horský J, et al. *Czech Med* 1(3):153-5, 1978

Circadian variation of pituitary LH and FSH in the pinealectomized rat. Damian E, et al. *Endocrinologie* 16(3):205-7, Jul-Sep 78

Endocrine response in osmoregulation: hormonal adaptation in aquatic birds. pp. 230-9. Holmes WN.

In: Assenmacher I, Farner DS, ed. *Environmental*



- endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977. (35 ref.)
- Circadian pattern of secretion of hormones by the anterior pituitary gland with particular reference to the involvement of serotonin in their rhythmic regulation. pp. 163-71. Kordon C, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Mechanisms underlying the prolactin-lowering effect of metergoline in the rat. Cocchi D, et al. *Life Sci* 23(9):927-36, 4 Sep 78
- Anterior pituitary function before and after trans-sphenoidal microsurgical resection of pituitary tumors. McLanahan CS, et al. *Neurosurgery* 3(2):142-5, Sep-Oct 78
- Aspects of hypothalamic regulation of the pituitary gland. Schally AV. *Science* 202(4363):18-28, 6 Oct 78 (136 ref.)
- [Ultrastructural study of the cytological changes in the adenohypophysis of the male quail submitted to long daily photoperiods (author's transl)] Harrison F. *Experientia* 34(8):1075-6, 15 Aug 78 (Eng. Abstr.) (Fre)
- [Regulation of the adenohypophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. III. Corticotropin releasing hormone, prolactin releasing hormone, prolactostatin, melanotropin releasing hormone, melanostatin] Blech W. *Endokrinologie* 71(3):325-36, Mar 78 (86 ref.) (Ger)
- [Regulation of the adenohypophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. IV. Somatostatin and somatotropin releasing hormones] Blech W. *Endokrinologie* 72(1):77-118, Apr 78 (240 ref.) (Ger)
- [Pregnancy after the administration of 2 bromo-alpha-ergocryptine] Crisosto C, et al. *Rev Chil Obstet Ginecol* 42(4):242-7, 1977 (Spa)
- ### PHYSIOPATHOLOGY
- Effects of substitution with thyroxine on the thyrotrophin (TSH) response to thyrotrophin-releasing hormone (TRH) in severe primary myxoedema and in mild hypothyroidism following prolonged thyrostatic therapy. Fischer HR, et al. *Acta Endocrinol (Copenh)* 89(2):303-15, Oct 78
- Changes in rat hypothalamic content of corticotrophin-releasing factor (CRF) activity, plasma ACTH and corticosterone under stress and the effect of cycloheximide. Fujieda K, et al. *Acta Endocrinol (Copenh)* 89(1):10-9, Sep 78
- Possible role of hyperammonaemia and/or of portosystemic shunts on the variability of the TSH response to TRH in cirrhotic patients. Schlienger JL, et al. *Acta Endocrinol (Copenh)* 89(2):284-95, Oct 78
- Ovarian follicular apparatus and hormonal parameters in patients with primary and secondary amenorrhea. Nakano R, et al. *Acta Obstet Gynecol Scand* 57(4):293-300, 1978
- Deranged anterior pituitary responsiveness to hypothalamic hormones in depressed patients. Brambilla F, et al. *Arch Gen Psychiatry* 35(10):1231-8, Oct 78
- Growth hormone hypersecretion and acromegaly. Daughaday WH, et al. *Hosp Pract* 13(8):75-80, Aug 78
- Neuroendocrine aspects of reproduction in experimental malnutrition. pp. 306-12. Srebnik HH, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (27 ref.)
- Dexamethasone test in alcoholics [letter] Oxenkrug GF. *Lancet* 2(8093):795, 7 Oct 78
- [Effects of benserazide administration on prolactin secretion] Masturzo P, et al. *Boll Soc Ital Biol Sper* 54(3):274-8, 15 Feb 78 (Ita)
- [Criteria of interpretation of the LH-RH test. Preliminary investigation in the study of amenorrhea in the course of diabetes mellitus] Wierdis T, et al. *Minerva Ginecol* 30(9):695-706, Sep 78 (Ita)
- [Left ventricular activity observed during polycardiographic and ultrasonographic examinations of a patient with insufficiency of pars hypophysis anterior] Strzelecki A, et al. *Pol Tyg Lek* 33(33):1311-2, 14 Aug 78 (Pol)
- [Somatotrophic function of the adenohypophysis in thymus hyperplasia in children] Kurbanov TG, et al. *Vopr Okhr Materin Det* 23(10):56-8, Oct 78 (Rus)
- ### SECRETION
- Pituitary and ovarian hormonal response to 48 h gonadotrophin releasing hormone (GnRH) infusions in female Rhesus monkeys. Ferin M, et al. *Acta Endocrinol (Copenh)* 89(1) Sep 78
- Effects of substitution with thyroxine on the thyrotrophin (TSH) response to thyrotrophin-releasing hormone (TRH) in severe primary myxoedema and in mild hypothyroidism following prolonged thyrostatic therapy. Fischer HR, et al. *Acta Endocrinol (Copenh)* 89(2):303-15, Oct 78
- Action of testosterone propionate on the gonadotrophic function of the pituitary gland in the cyclic female rat. Hassani M, et al. *Acta Endocrinol (Copenh)* 89(3):551-6, Nov 78
- Time-dependent decrease of pituitary response to LH-RH after chronic treatment of intact female rats with ethinyloestradiol and norethindrone. Kuhl H, et al. *Acta Endocrinol (Copenh)* 89(2):240-50, Oct 78
- Effects of two substituted benzamides, tiapride and sultopride, on gonadotrophins and prolactin. L'Hermite M, et al. *Acta Endocrinol (Copenh)* 89(1):29-37, Sep 78
- Neurotransmitter control of thyrotrophin secretion in hypothyroid rats. Männistö PT, et al. *Acta Endocrinol (Copenh)* 89(1):100-7, Sep 78
- Possible role of hyperammonaemia and/or of portosystemic shunts on the variability of the TSH response to TRH in cirrhotic patients. Schlienger JL, et al. *Acta Endocrinol (Copenh)* 89(2):284-95, Oct 78
- Studies of sexual differentiation of sheep. II. Evidence for post-natal hypothalamic hypophysiotrophic depression of basal LH secretion following pre-natal androgenisation. Wilson PR, et al. *Acta Endocrinol (Copenh)* 89(1):190-5, Sep 78
- Influence of oral contraceptives on immediate postabortal pituitary-ovarian function. Lähteenmäki P. *Acta Obstet Gynecol Scand Suppl* 76:1-43, 1978
- Effects of acute administration of monosodium-L-glutamate (MSG), atropine or haloperidol on anterior pituitary hormone secretion in the rat. Nemeroff CB, et al. *Brain Res* 156(1):198-201, 3 Nov 78
- Inhibitory activity of analogues of luteinizing hormone-releasing hormone (LH-RH) in vitro and in vivo. Ferland L, et al. *Clin Endocrinol (Oxf)* 5 Suppl:279S-289S, 1976
- Neuropharmacological aspects of the neural control of prolactin secretion. Clemens JA. *Curr Top Mol Endocrinol* 3:283-301, 1976 (34 ref.)
- Analogues of somatostatin. Part A. Chemistry and in vitro results. Immer H, et al. *Curr Top Mol Endocrinol* 3:373-8, 1976
- Neurotransmitters and control of pituitary function. Kordon C, et al. *Curr Top Mol Endocrinol* 3:51-61, 1976
- Role of prostaglandins (PGs) in the control of adenohypophyseal hormone secretion. McCann SM, et al. *Curr Top Mol Endocrinol* 3:21-35, 1976 (36 ref.)
- Binding bovine immunoglobulins to anterior lobe cells of the hypophysis. Boyd WH, et al. *Experientia* 34(8):1090-2, 15 Aug 78
- Changes in prolactin secretion in lactating rats assessed by correlative morphometric and biochemical methods. Häusler A, et al. *J Ultrastruct Res* 64(1):74-84, Jul 78
- Suppression of serum thyrotrophin (TSH) concentrations following thyroidectomy and cold exposure by passive immunization with antiserum to thyrotrophin-releasing hormone (TRH) in rats. Mori M, et al. *Metabolism* 27(10):1485-90, Oct 78
- Role of brain monoamines and histamine in regulation of anterior pituitary secretion. Weiner RI, et al. *Physiol Rev* 58(4):905-76, Oct 78 (509 ref.)
- TSH and ACTH secretion and cyclic adenosine 3'5' monophosphate content following stimulation with TRH or lysine vasopressin in vitro: suppression by thyroxine and dexamethasone. Rose JC, et al. *Proc Soc Exp Biol Med* 158(4):524-9, Sep 78
- Neural control of prolactin secretion in man. Boyd AE 3d, et al. *Psychoneuroendocrinology* 3(2):113-30, Apr 78
- Hypophysial responses to continuous and intermittent delivery of hypothalamic gonadotrophin-releasing hormone. Belchetz PE, et al. *Science* 202(4368):631-3, 10 Nov 78
- [Behavior of pituitary secretion after acute cimetidine overload] Marugo M, et al. *Boll Soc Ital Biol Sper* 54(3):282-6, 15 Feb 78 (Ita)
- [Criteria of interpretation of the LH-RH test. Preliminary investigation in the study of amenorrhea in the course of diabetes mellitus] Wierdis T, et al. *Minerva Ginecol* 30(9):695-706, Sep 78 (Ita)
- ### SURGERY
- Evidence for the zonation of interrenal tissue in the adrenal gland of the duck (*Anas platyrhynchos*). Pearce RB, et al. *Cell Tissue Res* 192(3):363-79, 26 Sep 78
- Anterior pituitary function before and after trans-sphenoidal microsurgical resection of pituitary tumors. McLanahan CS, et al. *Neurosurgery* 3(2):142-5, Sep-Oct 78

# PITUITARY

# PITUITARY GLAND,

## ULTRASTRUCTURE

- Fine structure of rat prolactin cells after treatment with a long acting depot contraceptive. Aumüller G, et al. *Acta Endocrinol (Copenh)* 89(2):251-62, Oct 78
- Ultrastructural morphometry of sparsely granulated prolactin cell adenomas of the human pituitary. McComb DJ, et al. *Acta Endocrinol (Copenh)* 89(3):521-9, Nov 78
- Coated vesicles in the rat anterior pituitary gland. Warchol JB, et al. *Acta Histochem (Jena)* 61(2):296-304, 1978
- The cells of origin of ACTH in man. Halmi NS, et al. *Ann NY Acad Sci* 297:167-82, 28 Oct 77
- Discrimination of LH, FSH, TSH and ACTH in dissociated porcine anterior pituitary cells by light and electron microscope immunocytochemistry. Batten TF, et al. *Cell Tissue Res* 192(1):107-20, 25 Aug 78
- Ultrastructure of rat pituitary LH gonadotrophs in relation to serum and pituitary LH levels following repeated LH-RH stimulation. Römmeler A, et al. *Cell Tissue Res* 190(1):135-49, 26 Jun 78
- Immunocytochemical identification of rat growth hormone cells utilizing antisera to nonmammalian growth hormones. McGill JR, et al. *Gen Comp Endocrinol* 35(3):342-5, Jul 78
- Localization of ATPase activity to the glial-like cells of the pars intermedia. Semoff S, et al. *Gen Comp Endocrinol* 35(3):329-41, Jul 78
- Changes in prolactin secretion in lactating rats assessed by correlative morphometric and biochemical methods. Häusler A, et al. *J Ultrastruct Res* 64(1):74-84, Jul 78
- [Electron microscope observation of 'thyroidectomy cells' in the hypophyseal ventral lobe of a Chondrichthyan fish, the small spotted dogfish, *Scylium canicula* Cuv.] Alluchon-Gérard MJ, et al. *C R Acad Sci [D] (Paris)* 286(21):1511-4, 29 May 78 (Eng. Abstr.) (Fre)
- [Ultrastructural study of the cytological changes in the adenohypophysis of the male quail submitted to long daily photoperiods (author's transl)] Harrison F. *Experientia* 34(8):1075-6, 15 Aug 78 (Eng. Abstr.) (Fre)

## PITUITARY GLAND, POSTERIOR

### ANALYSIS

- Vasopressin in the rat with spontaneous hypertension. Crofton JT, et al. *Am J Physiol* 235(4):H361-6, Oct 78

### ANATOMY & HISTOLOGY

- Immunocytochemical study of the neurohypophyseal hormone producing system of the lungfish, *Protopterus aethiopicus*. Goossens N, et al. *Cell Tissue Res* 190(1):69-77, 26 Jun 78
- Pituitary stalk-section and some of its effects on endocrine function in the fetal lamb. Abel MH, et al. *Q J Exp Physiol* 63(3):211-9, Jul 78

### BLOOD SUPPLY

- Hypothalamo-hypophyseal neurosecretory system of the teleost *Trichogaster fasciatus* (Bloch & Schneider) with a note on its vascularization. Singh IJ, et al. *Z Mikrosk Anat Forsch* 91(3):509-20, 1977

### CYTOLOGY

- Comparative cytology of the neuro-intermediate lobe of the reptilian pituitary. Weatherhead B. *Anat Histol Embryol* 7(2):97-119, Jun 78
- Identification of the LH and TSH-secreting cells in the pituitary gland of the rhesus monkey. Herbert DC. *Cell Tissue Res* 190(1):151-61, 26 Jun 78

### DRUG EFFECTS

- The adrenergic influences on the hypothalamic and neurohypophyseal oxytocic activity in long-term dehydrated male white rats. Guzek JW, et al. *Acta Physiol Pol* 29(3):221-9, May-Jun 78
- Modulation of vasopressin release from the neurohypophysis by the intact neuron. Mathison R, et al. *Proc West Pharmacol Soc* 21:257-60, 1978
- [Morphology of neurosecretory nuclei of the hypothalamus and of the neurohypophysis in the course of mercury phenylacetate poisoning] Kozik MB, et al. *Endokrynol Pol* 29(4):321-37, Jul-Aug 78 (Eng. Abstr.) (Pol)

## INNERVATION

- Electrophysiological indications of a 'vasopressinergic' innervation of the median eminence. Blume HW, et al. *Brain Res* 155(1):153-8, 20 Oct 78
- Modulation of vasopressin release from the neurohypophysis by the intact neuron. Mathison R, et al. *Proc West Pharmacol Soc* 21:257-60, 1978

## METABOLISM

- The adrenergic influences on the hypothalamic and neurohypophyseal oxytocic activity in long-term dehydrated male white rats. Guzek JW, et al. *Acta Physiol Pol* 29(3):221-9, May-Jun 78
- Effects of veratridine on Ca fluxes and the release of oxytocin and vasopressin from the isolated rat neurohypophysis. Nordmann JJ, et al. *J Gen Physiol* 72(3):297-304, Sep 78
- The distribution of neurophysins and posterior pituitary hormones in the porcine neurohypophyseal system. Dax EM, et al. *J Neurochem* 31(4):853-60, Oct 78
- Modulation of vasopressin release from the neurohypophysis by the intact neuron. Mathison R, et al. *Proc West Pharmacol Soc* 21:257-60, 1978

## PATHOLOGY

- [Electron- and light microscopic study of changes in the structure of the posterior hypophyseal lobe caused by long-term compression of soft tissues] Kardash'ian GK, et al. *Ark Anat Gistol Embriol* 75(8):56-63, Aug 78 (Eng. Abstr.) (Rus)

## PHYSIOLOGY

- Calcium and neurosecretion. Thorn NA, et al. *Ann NY Acad Sci* 307:618-39, 28 Apr 78 (72 ref.)
- Neurohypophyseal principles and memory processes. van Ree JM, et al. *Biochem Pharmacol* 27(14):1793-800, 1978 (113 ref.)
- Effects of hormone-releasing stimuli on the area of the perivascular space in the neural lobe of the rat. Livingston A. *Cell Tissue Res* 191(3):501-6, 16 Aug 78
- Effects of veratridine on Ca fluxes and the release of oxytocin and vasopressin from the isolated rat neurohypophysis. Nordmann JJ, et al. *J Gen Physiol* 72(3):297-304, Sep 78
- Pituitary stalk-section and some of its effects on endocrine function in the fetal lamb. Abel MH, et al. *Q J Exp Physiol* 63(3):211-9, Jul 78
- Ultrastructural changes in the placenta of the ewe after fetal pituitary stalk section. Steven DH, et al. *Q J Exp Physiol* 63(3):221-9, Jul 78

## PHYSIOPATHOLOGY

- Is posterior-hypophyseal corticotropin involved in neurogenic stress? pp. 260-1. Mialhe C, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Mechanism of effect of hypoxia on renal water excretion. Anderson RJ, et al. *J Clin Invest* 62(4):769-77, Oct 78
- Characterization of proinsulin-insulin intermediates in human plasma. De Haën C, et al. *J Clin Invest* 62(4):727-37, Oct 78

## SECRETION

- Vasopressin in the rat with spontaneous hypertension. Crofton JT, et al. *Am J Physiol* 235(4):H361-6, Oct 78
- Morphology of membrane changes during neurohypophyseal hormone release in a hibernating rodent. Theodosis DT, et al. *Brain Res* 154(2):371-6, 13 Oct 78
- Identification of the LH and TSH-secreting cells in the pituitary gland of the rhesus monkey. Herbert DC. *Cell Tissue Res* 190(1):151-61, 26 Jun 78
- A freeze-fracture study of membrane events during neurohypophyseal secretion. Theodosis DT, et al. *J Cell Biol* 78(2):542-53, Aug 78
- Effects of veratridine on Ca fluxes and the release of oxytocin and vasopressin from the isolated rat neurohypophysis. Nordmann JJ, et al. *J Gen Physiol* 72(3):297-304, Sep 78
- The importance of short interpulse intervals in determining vasopressin release from the isolated neurohypophysis [proceedings] Dutton A, et al. *J Physiol (Lond)* 280:23P, Jul 78
- Pituitary stalk-section and some of its effects on endocrine function in the fetal lamb. Abel MH, et al. *Q J Exp Physiol* 63(3):211-9, Jul 78
- [Electron- and light microscopic study of changes in the structure of the posterior hypophyseal lobe caused by



## PITUITARY GLAND,

## PITUITARY

long-term compression of soft tissues] Kardash'ian GK, et al. *Arkh Anat Gistol Embriol* 75(8):56-63, Aug 78 (Eng. Abstr.) (Rus)

### SURGERY

Pituitary stalk-section and some of its effects on endocrine function in the fetal lamb. Abel MH, et al.

*Q J Exp Physiol* 63(3):211-9, Jul 78

Ultrastructural changes in the placenta of the ewe after fetal pituitary stalk section. Steven DH, et al.

*Q J Exp Physiol* 63(3):221-9, Jul 78

### ULTRASTRUCTURE

Comparative cytology of the neuro-intermediate lobe of the reptilian pituitary. Weatherhead B. *Anat Histol Embryol* 7(2):97-119, Jun 78

Morphology of membrane changes during neurohypophyseal hormone release in a hibernating rodent. Theodosis DT, et al. *Brain Res* 154(2):371-6, 13 Oct 78

Effects of hormone-releasing stimuli on the area of the perivascular space in the neural lobe of the rat. Livingston A. *Cell Tissue Res* 191(3):501-6, 16 Aug 78

A freeze-fracture study of membrane events during neurohypophyseal secretion. Theodosis DT, et al.

*J Cell Biol* 78(2):542-53, Aug 78

[Morphology of neurosecretory nuclei of the hypothalamus and of the neurohypophysis in the course of mercury phenylacetate poisoning] Kozik MB, et al.

*Endokrynol Pol* 29(4):321-37, Jul-Aug 78 (Eng. Abstr.)

(Pol)

[Electron- and light microscopic study of changes in the structure of the posterior hypophyseal lobe caused by long-term compression of soft tissues] Kardash'ian GK, et al. *Arkh Anat Gistol Embriol* 75(8):56-63, Aug 78 (Eng. Abstr.) (Rus)

## PITUITARY IRRADIATION

Cardiovascular pathology in acromegaly and some effects of the 90 yttrium implant in the hypophysis. Popovici D, et al. *Endocrinologie* 16(3):223-8, Jul-Sep 78

### ADVERSE EFFECTS

[Complications following treatment of ACTH-dependent Cushing's disease] Landau B, et al. *Harefuah* 95(2):77-8, 16 Jul 78 (Eng. Abstr.) (Heb)



# PITUITARY

## II. Disorders of the Pituitary Gland

### ACROMEGALY

#### BLOOD

- [The effect of Ritalin, CB-154 and various drugs of serum GH in acromegals (author's transl)] Kanatsuka A, et al. *Nippon Naibunpi Gakkai Zasshi* 54(5):636-47, 20 May 78 (Eng. Abstr.) (Jpn)
- [Growth hormone level dynamics in acromegaly in response to glucose load and measured bicycle ergometry] Kiandarian GG, et al. *Probl Endokrinol (Mosk)* 24(5):37-9, Sep-Oct 78 (Eng. Abstr.) (Rus)

#### CEREBROSPINAL FLUID

- [Somatostatin-like substance of the cerebrospinal fluid in acromegaly and idiopathic pituitary dwarfism] Miki N, et al. *Horumon To Rinsbo* 26(6):561-4, Jun 78 (Jpn)

#### COMPLICATIONS

- Acromegaly and the heart [letter] Nieminen MS, et al. *Circulation* 58(4):757, Oct 78
- Cardiovascular pathology in acromegaly and some effects of the 90 yttrium implant in the hypophysis. Popovici D, et al. *Endocrinologie* 16(3):223-8, Jul-Sep 78
- Intervertebral disc calcification in adults: a review. Weinberger A, et al. *Semin Arthritis Rheum* 8(1):69-75, Aug 78 (42 ref.)
- [Meningioma in contact with eosinophilic adenoma in a patient with acromegaly (author's transl)] Hainer V, et al. *Cas Lek Cesk* 117(27):829-31, 7 Jul 78 (Eng. Abstr.) (Cze)

#### DIAGNOSIS

- Growth hormone hypersecretion and acromegaly. Daughaday WH, et al. *Hosp Pract* 13(8):75-80, Aug 78

#### DRUG THERAPY

- Response of acromegaly to long term bromocriptine therapy: a biochemical and clinical assessment. Clayton RN, et al. *Acta Endocrinol (Copenh)* 89(3):469-82, Nov 78
- Clinical implications of growth hormone release inhibiting hormone (GH-RIH). Besser GM. *Curr Top Mol Endocrinol* 3:115-25, 1976 (19 ref.)
- [The effect of Ritalin, CB-154 and various drugs of serum GH in acromegals (author's transl)] Kanatsuka A, et al. *Nippon Naibunpi Gakkai Zasshi* 54(5):636-47, 20 May 78 (Eng. Abstr.) (Jpn)

#### ETIOLOGY

- Acromegalic gigantism and tuberous sclerosis. Hoffman WH, et al. *J Pediatr* 93(3):478-80, Sep 78
- [Special problems in hypophyseal tumors. 7 selected observations (I)] Rössler R, et al. *Med Welt* 29(42):1649-52, 20 Oct 78 (Ger)
- [Practical value of new knowledge on the structure and function of pituitary adenomas] Landolt AM. *Schweiz Med Wochenschr* 108(40):1521-35, 7 Oct 78 (76 ref.) (Eng. Abstr.) (Ger)

#### PHYSIOPATHOLOGY

- Pituitary function after pituitary apoplexy. Pelkonen R, et al. *Am J Med* 65(5):773-8, Nov 78
- Acromegaly and the heart [letter] Nieminen MS, et al. *Circulation* 58(4):757, Oct 78
- Growth hormone hypersecretion and acromegaly. Daughaday WH, et al. *Hosp Pract* 13(8):75-80, Aug 78
- [Effects of benserazide administration on prolactin secretion] Masturzo P, et al. *Boll Soc Ital Biol Sper* 54(3):274-8, 15 Feb 78 (Ita)
- [Clinical observation of growth hormone dynamics in hypothalamo-pituitary disorders (author's transl)] Miyashita M, et al. *Rinsho Byori* 26(6):471-7, Jun 78 (Jpn)
- [Abnormality of all night EEGs in patients with acromegaly (author's transl)] Muroga T, et al. *Rinsho Shinkeigaku*

- 18(5):246-52, May 78 (Eng. Abstr.) (Jpn)
- [Effect of the overall therapy on the state of the cardiovascular system in acromegaly] Kiandarian GG. *Zh Eksp Klin Med* (4):92-5, 1978 (Rus)

#### RADIOGRAPHY

- Intervertebral disc calcification in adults: a review. Weinberger A, et al. *Semin Arthritis Rheum* 8(1):69-75, Aug 78 (42 ref.)

#### RADIOTHERAPY

- Cardiovascular pathology in acromegaly and some effects of the 90 yttrium implant in the hypophysis. Popovici D, et al. *Endocrinologie* 16(3):223-8, Jul-Sep 78

#### THERAPY

- Growth hormone hypersecretion and acromegaly. Daughaday WH, et al. *Hosp Pract* 13(8):75-80, Aug 78
- [Treatment of acromegaly] Kato Y. *Nippon Rinsho Suppl*:1550-1, May 78 (Jpn)
- [Effect of the overall therapy on the state of the cardiovascular system in acromegaly] Kiandarian GG. *Zh Eksp Klin Med* (4):92-5, 1978 (Rus)

#### URINE

- Urinary hydroxyproline excretion in acromegaly. Halse J, et al. *Acta Endocrinol (Copenh)* 89(3):483-91, Nov 78

### ADENOMA, BASOPHILIC

#### PATHOLOGY

- Tumours of the pituitary gland. Furth J, et al. *IARC Sci Publ* (6):201-37, 1976 (113 ref.)

### ADENOMA, CHROMOPHOBE

#### BLOOD

- Prolactin-screening tumors and hypogonadism in 22 men. Carter JN, et al. *N Engl J Med* 299(16):847-52, 19 Oct 78
- [Circadian behavior of blood prolactin in patients with pituitary adenoma] Murialdo G, et al. *Boll Soc Ital Biol Sper* 54(3):270-3, 15 Feb 78 (Ita)

#### COMPLICATIONS

- Delayed cure of Cushing's disease after transsphenoidal surgery of pituitary microadenomas. Report of two cases. McDonald SD, et al. *J Neurosurg* 49(4):593-6, Oct 78

#### DIAGNOSIS

- Immunostaining of growth hormone and prolactin in paraffin-embedded and stored or previously stained materials. Halmi NS. *J Histochem Cytochem* 26(7):486-95, Jul 78 (25 ref.)

#### PATHOLOGY

- Tumours of the pituitary gland. Furth J, et al. *IARC Sci Publ* (6):201-37, 1976 (113 ref.)

#### SECRETION

- Prolactin-screening tumors and hypogonadism in 22 men. Carter JN, et al. *N Engl J Med* 299(16):847-52, 19 Oct 78

#### SURGERY

- Delayed cure of Cushing's disease after transsphenoidal surgery of pituitary microadenomas. Report of two cases. McDonald SD, et al. *J Neurosurg* 49(4):593-6, Oct 78
- Anterior pituitary function before and after trans-sphenoidal

## ADENOMA,

microsurgical resection of pituitary tumors. McLanahan CS, et al. *Neurosurgery* 3(2):142-5, Sep-Oct 78

### THERAPY

Prolactin-screening tumors and hypogonadism in 22 men. Carter JN, et al. *N Engl J Med* 299(16):847-52, 19 Oct 78

## ADENOMA, EOSINOPHILIC

### BLOOD

Prolactin-screening tumors and hypogonadism in 22 men. Carter JN, et al. *N Engl J Med* 299(16):847-52, 19 Oct 78

### COMPLICATIONS

[Meningioma in contact with eosinophilic adenoma in a patient with acromegaly (author's transl)] Hainer V, et al. *Cas Lek Cesk* 117(27):829-31, 7 Jul 78 (Eng. Abstr.) (Cze)

### ETIOLOGY

Acromegalic gigantism and tuberous sclerosis. Hoffman WH, et al. *J Pediatr* 93(3):478-80, Sep 78

### PATHOLOGY

Tumours of the pituitary gland. Furth J, et al. *IARC Sci Publ* (6):201-37, 1976 (113 ref.)

### SECRETION

Prolactin-screening tumors and hypogonadism in 22 men. Carter JN, et al. *N Engl J Med* 299(16):847-52, 19 Oct 78

### SURGERY

Anterior pituitary function before and after trans-sphenoidal microsurgical resection of pituitary tumors. McLanahan CS, et al. *Neurosurgery* 3(2):142-5, Sep-Oct 78  
[Special problems in hypophyseal tumors. 7 selected observations (I)] Rössler R, et al. *Med Welt* 29(42):1649-52, 20 Oct 78 (Ger)

### THERAPY

Prolactin-screening tumors and hypogonadism in 22 men. Carter JN, et al. *N Engl J Med* 299(16):847-52, 19 Oct 78

## CRANIOPHARYNGIOMA

### PATHOLOGY

Morphological, biochemical, ultrastructural, tissue culture and clinical observations of typical and aggressive craniopharyngiomas. Liszczak T, et al. *Acta Neuropathol* (Berl) 43(3):191-203, 15 Sep 78

### RADIOGRAPHY

Computed tomography in the differential diagnosis of low-density intracranial lesions. Handa J, et al. *Surg Neurol* 10(3):179-85, Sep 78

### SURGERY

[Anesthetic technics and peroperative problems in pituitary gland surgery] Krivosic-Horber R, et al. *Anesth Analg* (Paris) 35(2):295-9, Mar-Apr 78 (Fre)

### ULTRASTRUCTURE

Morphological, biochemical, ultrastructural, tissue culture and clinical observations of typical and aggressive craniopharyngiomas. Liszczak T, et al. *Acta Neuropathol* (Berl) 43(3):191-203, 15 Sep 78

## DIABETES INSIPIDUS

[Steroid diabetes] Maksimova MV. *Med Sestra* 37(7):31-2, Jul 78 (Rus)  
[Pregnancy and labor in hypophyseal nanism and diabetes

## PITUITARY

insipidus] Kulavskii VA. *Vopr Okhr Materin Det* 23(10):79-80, Oct 78 (Rus)

### BLOOD

Successful treatment of hypernatremic thirst deficiency with chlorpropamide. Nandi M, et al. *Clin Nephrol* 10(3):90-5, Sep 78  
Vasopressin effects on plasma renin activity in male and female rats. Henderson IW, et al. *Clin Sci Mol Med* 55(3):301-7, Sep 78

### CEREBROSPINAL FLUID

The intrinsic brain iso-renin—angiotensin system in the rat: its possible role in central mechanisms of blood pressure regulation. Ganten D, et al. *Clin Sci Mol Med* 48 Suppl 2:265s-268s, Jun 75

### CHEMICALLY INDUCED

Persistent lithium-induced nephrogenic diabetes insipidus [letter] Price TR, et al. *Am J Psychiatry* 135(10):1247-8, Oct 78

### COMPLICATIONS

Pregnancy and Nelson's syndrome. Two case reports. Feeney JG, et al. *Br J Obstet Gynaecol* 85(9):715-8, Sep 78  
Median cerebrofacial dysgenesis: the syndrome of median facial defects with hypotelorism. Gruss JS, et al. *Cleft Palate J* 15(3):275-81, Jul 78

### CONGENITAL

[Congenital nephrogenic diabetes insipidus] Yabuta K. *Nippon Rinsho Suppl*:1434-5, May 78 (Jpn)

### DIAGNOSIS

[Behavior of osmolar clearance during mannitol loading in polyuric syndromes in childhood] De Luca F. *Minerva Pediatr* 30(20):1561-5, 30 Oct 78 (Ita)  
[Congenital nephrogenic diabetes insipidus] Yabuta K. *Nippon Rinsho Suppl*:1434-5, May 78 (Jpn)  
[Diabetes insipidus as a symptom of metastasis of bronchial cancer into the hypothalamus] Niżnikiewicz J, et al. *Wiad Lek* 31(15):1079-82, 1 Aug 78 (Eng. Abstr.) (Pol)

### DRUG THERAPY

Successful treatment of hypernatremic thirst deficiency with chlorpropamide. Nandi M, et al. *Clin Nephrol* 10(3):90-5, Sep 78  
Placenta previa percreta with bladder invasion. Collins ML, et al. *JAMA* 240(16):1749, 13 Oct 78  
Evaluation of a new antidiuretic agent, desmopressin acetate (DDAVP). Kosman ME. *JAMA* 240(17):1896-7, 20 Oct 78  
[The treatment of patients with diabetes insipidus by a synthetic analogue of vasopressin, DDAVP (author's transl)] Tanae A, et al. *Nippon Naibunpi Gakkai Zasshi* 54(5):676-91, 20 May 78 (Eng. Abstr.) (Jpn)

### ETIOLOGY

Primary empty sella syndrome with panhypopituitarism, diabetes insipidus, and visual field defects. Cupps TR, et al. *Acta Endocrinol* (Copenh) 89(3):445-60, Nov 78  
Transient diabetes insipidus following penetrating thoracic trauma. Salky B, et al. *Mt Sinai J Med* (NY) 45(4):545-50, Jul-Aug 78  
Diabetes insipidus associated with Wegener's granulomatosis successfully treated with cyclophosphamide. Haynes BF, et al. *N Engl J Med* 299(14):764, 5 Oct 78  
[Hypothyroidism and diabetes insipidus in the course of sarcoidosis] Stelmasiak T, et al. *Pol Tyg Lek* 33(24):967-8, 12 Jun 78 (Pol)  
[Diabetes insipidus as a symptom of metastasis of bronchial cancer into the hypothalamus] Niżnikiewicz J, et al. *Wiad Lek* 31(15):1079-82, 1 Aug 78 (Eng. Abstr.) (Pol)

### FAMILIAL & GENETIC

Antidiuretic hormone increases renal prostaglandin synthesis in vivo. Walker LA, et al. *Am J Physiol* 235(3):F180-5, Sep 78  
Corticosteroid production in vitro by adrenal tissue from rats with inherited hypothalamic diabetes insipidus (Brattleboro strain). Vinson GP, et al. *J Steroid Biochem* 9(7):657-65, Jul 78



[Research on the influence of sympathomimetics (isoprenaline and noradrenaline) on water metabolism in the rat] Auriac A, et al. *Arch Pharmacol Toxicol* 4(1):31-4, Apr 78 (Fre)

#### METABOLISM

Corticosteroid production in vitro by adrenal tissue from rats with inherited hypothalamic diabetes insipidus (Brattleboro strain). Vinson GP, et al. *J Steroid Biochem* 9(7):657-65, Jul 78

[Research on the influence of sympathomimetics (isoprenaline and noradrenaline) on water metabolism in the rat] Auriac A, et al. *Arch Pharmacol Toxicol* 4(1):31-4, Apr 78 (Fre)

#### PHYSIOPATHOLOGY

[Hypertension by nerve section in adrenalectomized, hypophysectomized, thyroidectomized and splanchnectomized dogs or in dogs with diabetes insipidus] Baisset A, et al. *C R Soc Biol (Paris)* 172(1):196-9, 1978 (Eng. Abstr.) (Fre)

#### PREVENTION & CONTROL

Treatment of imipramine-resistant depression and lithium-refractory mania through drug interactions. Meyers B. *Am J Psychiatry* 135(11):1420-1, Nov 78

[Endocrine-metabolic surveillance following surgery of the hypothalamo-hypophyseal system] Beaufils F, et al. *Anesth Analg (Paris)* 35(2):301-6, Mar-Apr 78 (Fre)

#### URINE

Antidiuretic hormone increases renal prostaglandin synthesis in vivo. Walker LA, et al. *Am J Physiol* 235(3):F180-5, Sep 78

Urinary excretion of antidiuretic hormone under various hydration states in man. Matsui K, et al. *Tohoku J Exp Med* 125(2):103-13, Jun 78

[The treatment of patients with diabetes insipidus by a synthetic analogue of vasopressin, DDAVP (author's transl)] Tanae A, et al. *Nippon Naibunpi Gakkai Zasshi* 54(5):676-91, 20 May 78 (Eng. Abstr.) (Jpn)

### DWARFISM

Photodermatoses. Kahn G. *Major Probl Clin Pediatr* 19:123-42, 1978

[Bloom syndrome: review and definition] Rodermund OE, et al. *Fortschr Med* 96(37):1852-8, 5 Oct 78 (Eng. Abstr.) (Ger)

[Seckel's syndrome and Hallermann-Streiff syndrome] Maekawa K. *Nippon Rinsho Suppl*:1470-1, May 78 (Jpn)

[De Sanctis-Cacchione syndrome] Takeshita K. *Nippon Rinsho Suppl*:1420-1, May 78 (Jpn)

#### COMPLICATIONS

A study of dwarfism with special reference to chromosomal aberrations. Phadke MA, et al. *Indian Pediatr* 15(5):409-12, May 78

[Progressive External Ophthalmoplegia (authors transl)] Gabriel M, et al. *Klin Paediatr* 190(5):441-5, Sep 78 (Eng. Abstr.) (Ger)

[Seckel's dwarfism. Description of a case with endocrine changes] Carmina E, et al. *Minerva Pediatr* 30(20):1635-40, 30 Oct 78 (Eng. Abstr.) (Ita)

[Fanconi's anemia. Description of 2 clinical cases] Schiavulli E, et al. *Minerva Pediatr* 30(15):1251-8, 15 Aug 78 (Eng. Abstr.) (Ita)

#### DIAGNOSIS

The phenotypic variability of diastrophic dysplasia. Horton WA, et al. *J Pediatr* 93(4):609-13, Oct 78

Neonatal dwarfism. Silience DO, et al. *Pediatr Clin North Am* 25(3):453-83, Aug 78

[Diagnostic means to exclude deficient secretion of growth hormone in paediatric practice (author's transl)] Butenandt O, et al. *Klin Paediatr* 190(5):460-4, Sep 78 (Eng. Abstr.) (Ger)

[Early diagnosis of constitutional developmental bone diseases] Spranger J. *Z Orthop* 116(4):549-52, Aug 78 (Ger)

#### DRUG THERAPY

Zinc interference with copper metabolism [editorial]

Sandstead HH. *JAMA* 240(20):2188, 10 Nov 78

[Clinical use of synthetic thyroliberin (thyrotropin-releasing factor)] Starkova NT, et al. *Probl Endokrinol (Mosk)* 24(5):103-10, Sep-Oct 78 (Rus)

#### ETIOLOGY

[Diagnostic value of particular symptoms in monosomy X. Evaluated on the basis of experiences with 34 own cases (author's transl)] Némethová V, et al. *Monatsschr Kinderheilkd* 126(10):616-21, Oct 78 (Eng. Abstr.) (Ger)

#### FAMILIAL & GENETIC

A study of dwarfism with special reference to chromosomal aberrations. Phadke MA, et al. *Indian Pediatr* 15(5):409-12, May 78

The phenotypic variability of diastrophic dysplasia. Horton WA, et al. *J Pediatr* 93(4):609-13, Oct 78

[Mesomelic dwarfism. Pronounced form in a female infant of a father with dyschondrosteosis and a mother with Madelung's deformity] Gugliantini P, et al. *Radiol Med (Torino)* 64(4):433-44, Apr 78 (Ita)

#### OCCURRENCE

Upper extremity deformities associated with the orofacial clefts. Uuspää V. *Scand J Plast Reconstr Surg* 12(2):157-62, 1978

#### PATHOLOGY

The phenotypic variability of diastrophic dysplasia. Horton WA, et al. *J Pediatr* 93(4):609-13, Oct 78

[An autopsy case of Cockayne's syndrome (author's transl)] Nakayama H, et al. *Rinsho Shinkeigaku* 18(8):470-2, Aug 78 (Eng. Abstr.) (Jpn)

#### PHYSIOPATHOLOGY

Endocrine concomitants of the sleep-wake rhythm in man. pp. 124-31. Quabbe HJ. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (34 ref.)

### DWARFISM, PITUITARY

[Pituitary dwarfism] Okada Y, et al. *Nippon Rinsho Suppl*:1532-3, May 78 (Jpn)

[Pregnancy and labor in hypophyseal nanism and diabetes insipidus] Kulavskii VA. *Vopr Okhr Materin Det* 23(10):79-80, Oct 78 (Rus)

#### CEREBROSPINAL FLUID

[Somatostatin-like substance of the cerebrospinal fluid in acromegaly and idiopathic pituitary dwarfism] Miki N, et al. *Horumon To Rinsho* 26(6):561-4, Jun 78 (Jpn)

#### DIAGNOSIS

Growth hormone, somatomedins, and growth failure. Van Wyk JJ, et al. *Hosp Pract* 13(8):57-67, Aug 78

[Clinical picture and diagnosis of hypophyseal dwarfism] Stögmann W, et al. *Wien Med Wochenschr* 128(14):423-7, 15 Jul 78 (Ger)

#### DRUG THERAPY

Growth hormone, somatomedins, and growth failure. Van Wyk JJ, et al. *Hosp Pract* 13(8):57-67, Aug 78

[Pituitary dwarfism—its treatment] Shizume K. *Nippon Rinsho Suppl*:1534-5, May 78 (Jpn)

#### IMMUNOLOGY

[Hormonal control of immune reactivity] Dimitrov V, et al. *Vutr Boles* 17(4):8-15, 1978 (78 ref.) (Bul)

#### METABOLISM

Effect of starvation, nutriment replacement, and hypothyroidism on in vitro hepatic T4 to T3 conversion in the rat. Harris AR, et al. *Metabolism* 27(11):1680-90, Nov 78

## DWARFISM, PITUITARY

## PITUITARY

### PHYSIOPATHOLOGY

- Growth hormone, somatomedins, and growth failure. Van Wyk JJ, et al. *Hosp Pract* 13(8):57-67, Aug 78
- Psychoendocrinology and growth hormone: a review. Brown GM, et al. *Psychoneuroendocrinology* 3(2):131-53, Apr 78 (112 ref.)
- [Clinical observation of growth hormone dynamics in hypothalamo-pituitary disorders (author's transl)] Miyashita M, et al. *Rinsho Byori* 26(6):471-7, Jun 78 (Jpn)

### EMPTY SELLA SYNDROME

- [Empty Sella syndrome] Wasada T, et al. *Nippon Rinsho Suppl*:1542-3, May 78 (Jpn)

### COMPLICATIONS

- Primary empty sella syndrome with panhypopituitarism, diabetes insipidus, and visual field defects. Cupps TR, et al. *Acta Endocrinol (Copenh)* 89(3):445-60, Nov 78

### DIAGNOSIS

- Primary empty sella syndrome with panhypopituitarism, diabetes insipidus, and visual field defects. Cupps TR, et al. *Acta Endocrinol (Copenh)* 89(3):445-60, Nov 78

### RADIOGRAPHY

- Computerized tomography in the evaluation of the empty sella. Computerized tomographic case of the month. Rothman SL, et al. *Conn Med* 42(8):507-8, Aug 78

### SURGERY

- Primary empty sella syndrome with panhypopituitarism, diabetes insipidus, and visual field defects. Cupps TR, et al. *Acta Endocrinol (Copenh)* 89(3):445-60, Nov 78

### GIGANTISM

- [The Beckwith-Wiedemann syndrome] Banićević M, et al. *Srp Arh Celok Lek* 105(12):1095-1102, Dec 77 (Eng. Abstr.) (Sec)

### DRUG THERAPY

- [Estrogen treatment of excessively tall girls (author's transl)] Klittich L, et al. *Geburtshilfe Frauenheilkd* 38(10):831-9, Oct 78 (Eng. Abstr.) (Ger)

### ETIOLOGY

- Acromegalic gigantism and tuberous sclerosis. Hoffman WH, et al. *J Pediatr* 93(3):478-80, Sep 78

### HISTORY

- Diseases described by Ohioans. Paulson GW. *Ohio State Med J* 74(11):723-5, Nov 78

### PHYSIOPATHOLOGY

- Endocrine function in a patient with asymmetrical acral hypertrophy and gigantism: a possible variant of the Kippel-Trenaunay syndrome. Mims RB. *J Natl Med Assoc* 70(2):125-8, Feb 78

### HYPERPITUITARISM

### PHYSIOPATHOLOGY

- Control of anterior pituitary function. Locke W. *Arch Intern Med* 138(10):1541-5, Oct 78

### HYPOPITUITARISM

- [Hypopituitarism] Kumahara Y, et al. *Nippon Rinsho Suppl*:1544-5, May 78 (Jpn)

### BLOOD

- Diagnosis of Sheehan's syndrome using a sequential pituitary stimulation test. DiZerega G, et al. *Am J Obstet Gynecol* 132(4):348-53, 15 Oct 78
- Adrenocorticotropin and plasma aldosterone concentration and deoxycorticosterone in man. Biglieri EG, et al. *Ann NY Acad Sci* 297:361-72, 28 Oct 77

### COMPLICATIONS

- Primary empty sella syndrome with panhypopituitarism, diabetes insipidus, and visual field defects. Cupps TR, et al. *Acta Endocrinol (Copenh)* 89(3):445-60, Nov 78
- Growth hormone, somatomedins, and growth failure. Van Wyk JJ, et al. *Hosp Pract* 13(8):57-67, Aug 78
- [Hypoglycemia caused by isolated ACTH deficiency] Olsen S. *Ugeskr Laeger* 140(30):1816-7, 24 Jul 78 (Eng. Abstr.) (Dan)
- [Clinical picture and diagnosis of hypophyseal dwarfism] Stögmänn W, et al. *Wien Med Wochenschr* 128(14):423-7, 15 Jul 78 (Ger)

### DIAGNOSIS

- Diagnosis of Sheehan's syndrome using a sequential pituitary stimulation test. DiZerega G, et al. *Am J Obstet Gynecol* 132(4):348-53, 15 Oct 78
- [Hypoglycemia caused by isolated ACTH deficiency] Olsen S. *Ugeskr Laeger* 140(30):1816-7, 24 Jul 78 (Eng. Abstr.) (Dan)

### DRUG THERAPY

- Diagnosis of Sheehan's syndrome using a sequential pituitary stimulation test. DiZerega G, et al. *Am J Obstet Gynecol* 132(4):348-53, 15 Oct 78
- [Anesthesia-intensive care in pituitary gland surgery. Hormonal preparation and preoperative water-electrolyte equilibration] Fossati P, et al. *Anesth Analg (Paris)* 35(2):287-92, Mar-Apr 78 (Fre)

### ETIOLOGY

- The management and prognosis of gliomas of the optic pathways in children. Heiskanen O, et al. *Acta Neurochir (Wien)* 43(3-4):193-9, 1978
- [Anesthesia-intensive care in pituitary gland surgery. Hormonal preparation and preoperative water-electrolyte equilibration] Fossati P, et al. *Anesth Analg (Paris)* 35(2):287-92, Mar-Apr 78 (Fre)
- [Special problems in hypophyseal tumors. 7 selected observations (I)] Rössler R, et al. *Med Welt* 29(42):1649-52, 20 Oct 78 (Ger)

### FAMILIAL & GENETIC

- Familial syndrome with panhypopituitarism, hypoplasia of the hypophysis, and poorly developed sella turcica. Sipponen P, et al. *Arch Dis Child* 53(8):664-7, Aug 78

### METABOLISM

- Tissue growth hormone release inhibiting hormone-like immunoreactivity in experimental hypothyroidism and hypopituitarism. Berelowitz M, et al. *Clin Endocrinol (Oxf)* 9(2):185-91, Aug 78

### PHYSIOPATHOLOGY

- Control of anterior pituitary function. Locke W. *Arch Intern Med* 138(10):1541-5, Oct 78
- [Clinical observation of growth hormone dynamics in hypothalamo-pituitary disorders (author's transl)] Miyashita M, et al. *Rinsho Byori* 26(6):471-7, Jun 78 (Jpn)
- [Left ventricular activity observed during polycardiographic and ultrasonographic examinations of a patient with insufficiency of pars hypophysis anterior] Strzelecki A, et al. *Pol Tyg Lek* 33(33):1311-2, 14 Aug 78 (Pol)

### INAPPROPRIATE ADH SYNDROME

- The role of cyclic AMP in parathyroid hormone action in the toad bladder. Sellers BB Jr, et al. *J Membr Biol* 41(4):329-35, 18 Jul 78
- [Syndrome of inappropriate secretion of ADH] Yoshida S. *Nippon Rinsho Suppl*:1528-9, May 78 (Jpn)



# PITUITARY

# PITUITARY NEOPLASMS

## COMPLICATIONS

[Disorders of heat and water regulation. Proliferative reticulo granulomatous process of hypothalamic origin (author's transl)] Cambier J, et al. *Rev Neurol (Paris)* 134(3):197-213, Mar 78 (Eng. Abstr.) (Fre)

## DRUG THERAPY

Renal function during treatment of inappropriate secretion of antidiuretic hormone with demeclocycline. Danovitch GM, et al. *Isr J Med Sci* 14(8):852-7, Aug 78

## ETIOLOGY

Pleural masses and the syndrome of inappropriate secretion of antidiuretic hormone [letter] Petty BG. *Am Rev Respir Dis* 118(3):627-8, Sep 78  
[Inappropriate secretion of antidiuretic hormone in an outbreak of acute intermittent porphyria (letter)] Conte-Devolx B, et al. *Nouv Presse Med* 7(28):2474-5, 26 Aug-2 Sep 78 (Fre)

## METABOLISM

[Syndrome of inappropriate secretion of ADH] Yoshida S. *Nippon Rinsho Suppl*:1528-9, May 78 (Jpn)

## PHYSIOPATHOLOGY

Pleural masses and the syndrome of inappropriate secretion of antidiuretic hormone [letter] Petty BG. *Am Rev Respir Dis* 118(3):627-8, Sep 78  
Renal function during treatment of inappropriate secretion of antidiuretic hormone with demeclocycline. Danovitch GM, et al. *Isr J Med Sci* 14(8):852-7, Aug 78  
Free water clearance curves during saline, mannitol, glucose and urea diuresis in the rat. Martinez-Maldonado M, et al. *J Physiol (Lond)* 280:487-97, Jul 78

## URINE

Urinary excretion of antidiuretic hormone under various hydration states in man. Matsui K, et al. *Tohoku J Exp Med* 125(2):103-13, Jun 78

## NELSON SYNDROME

Pregnancy in a case of Nelson's syndrome. Leiba S, et al. *Acta Obstet Gynecol Scand* 57(4):373-5, 1978

## COMPLICATIONS

Pregnancy and Nelson's syndrome. Two case reports. Feeney JG, et al. *Br J Obstet Gynaecol* 85(9):715-8, Sep 78

## DRUG THERAPY

Pregnancy in a case of Nelson's syndrome. Leiba S, et al. *Acta Obstet Gynecol Scand* 57(4):373-5, 1978

## ETIOLOGY

[Complications following treatment of ACTH-dependent Cushing's disease] Landau B, et al. *Harefuah* 95(2):77-8, 16 Jul 78 (Eng. Abstr.) (Heb)

## METABOLISM

Pregnancy in a case of Nelson's syndrome. Leiba S, et al. *Acta Obstet Gynecol Scand* 57(4):373-5, 1978

## PITUITARY DISEASES

### CLASSIFICATION

Pituitary disease: the endocrinologist's view. Males JL. *J Okla State Med Assoc* 71(8):311-4, Aug 78

### DIAGNOSIS

Pituitary function after pituitary apoplexy. Pelkonen R, et al. *Am J Med* 65(5):773-8, Nov 78  
Studies on the diagnostic use of LH-RH. Rochefort JG, et al. *Curr Top Mol Endocrinol* 3:65-72, 1976  
Pituitary disease: the endocrinologist's view. Males JL.

*J Okla State Med Assoc* 71(8):311-4, Aug 78  
[Menstruation disorders] Rolland R. *Ned Tijdschr Geneesk* 122(40):1497-500, 7 Oct 78 (Dut)  
[Case of pituitary apoplexy simulating meningitis, and familial cases of primary hemochromatosis with pituitary hypogonadism] Yoshida S, et al. *Horumon To Rinsho* 26(1):39-43, Jan 78 (Jpn)  
[Reproducibility and interaction of TRH and LHRH on pituitary hormones and its clinical significance (author's transl)] Kaneko K, et al. *Rinsho Byori* 26(6):462-7, Jun 78 (Jpn)

## DRUG THERAPY

Pituitary disease: the endocrinologist's view. Males JL. *J Okla State Med Assoc* 71(8):311-4, Aug 78  
Inhibition of prolactin release by serotonin antagonists in hyperprolactinemic subjects. Ferrari C, et al. *Metabolism* 27(10):1499-504, Oct 78  
[Bromocriptin in the treatment of amenorrheas with hyperprolactinemia] Anselmo J. *Rev Chil Obstet Ginecol* 42(4):248-55, 1977 (Spa)

## IMMUNOLOGY

Pituitary autoimmunity: a review. Bottazzo GF, et al. *J R Soc Med* 71(6):433-6, Jun 78

## METABOLISM

Inhibition of prolactin release by serotonin antagonists in hyperprolactinemic subjects. Ferrari C, et al. *Metabolism* 27(10):1499-504, Oct 78

## PHYSIOPATHOLOGY

Pituitary function after pituitary apoplexy. Pelkonen R, et al. *Am J Med* 65(5):773-8, Nov 78  
[Clinical observation of growth hormone dynamics in hypothalamo-pituitary disorders (author's transl)] Miyashita M, et al. *Rinsho Byori* 26(6):471-7, Jun 78 (Jpn)

## THERAPY

Pituitary function after pituitary apoplexy. Pelkonen R, et al. *Am J Med* 65(5):773-8, Nov 78

## PITUITARY GLAND

### ABNORMALITIES

Familial syndrome with panhypopituitarism, hypoplasia of the hypophysis, and poorly developed sella turcica. Sipponen P, et al. *Arch Dis Child* 53(8):664-7, Aug 78  
Aspects of the human pharyngeal hypophysis in normal and anencephalic fetuses and neonates and their possible significance in the mechanism of its control. McGrath P. *J Anat* 127(1):65-81, Sep 78

## PITUITARY NEOPLASMS

Pregnancy in a case of Nelson's syndrome. Leiba S, et al. *Acta Obstet Gynecol Scand* 57(4):373-5, 1978  
Steps involved in the processing of common precursor forms of adrenocorticotropin and endorphin in cultures of mouse pituitary cells. Roberts JL, et al. *Biochemistry* 17(17):3609-18, 22 Aug 78  
The diagnosis and management of pituitary tumors. Forman BH, et al. *Conn Med* 42(9):551-5, Sep 78  
[Practical value of new knowledge on the structure and function of pituitary adenomas] Landolt AM. *Schweiz Med Wochenschr* 108(40):1521-35, 7 Oct 78 (76 ref.) (Eng. Abstr.) (Ger)

### ANALYSIS

Dissociation of plasma and CSF prolactin heterogeneity. Jordan RM, et al. *Acta Endocrinol (Copenh)* 89(1):38-47, Sep 78

### BLOOD

Prolactin-screening tumors and hypogonadism in 22 men. Carter JN, et al. *N Engl J Med* 299(16):847-52, 19 Oct 78  
[Prolactin] Lamberts SW, et al. *Ned Tijdschr Geneesk* 122(36):1327-34, 9 Sep 78 (47 ref.) (Dut)

## PITUITARY NEOPLASMS

- [Circadian behavior of blood prolactin in patients with pituitary adenoma] Murialdo G, et al.  
Boll Soc Ital Biol Sper 54(3):270-3, 15 Feb 78 (Ita)

### CHEMICALLY INDUCED

- Biochemical and ultrastructural studies on estrogen-induced pituitary tumors in F344 rats. De Nicola AF, et al.  
J Natl Cancer Inst 61(3):753-63, Sep 78

### CLASSIFICATION

- The diagnosis and management of pituitary tumors. Forman BH, et al. Conn Med 42(9):551-5, Sep 78

### COMPLICATIONS

- Antiserotonin treatment of hyperprolactinemic amenorrhea: long-term follow-up with metergoline, methysergide, and cyproheptadine. Crosignani PG, et al.  
Am J Obstet Gynecol 132(3):307-12, 1 Oct 78
- Cushing's syndrome. Liddle GW. Ann NY Acad Sci 297:594-602, 28 Oct 77
- Pregnancy and Nelson's syndrome. Two case reports. Feeney JG, et al. Br J Obstet Gynaecol 85(9):715-8, Sep 78
- A case of pituitary apoplexy with spontaneous recovery. Kasai K, et al. Endocrinol Jpn 25(3):209-16, Jun 78
- Delayed cure of Cushing's disease after transsphenoidal surgery of pituitary microadenomas. Report of two cases. McDonald SD, et al. J Neurosurg 49(4):593-6, Oct 78
- Angioid streaks in pituitary tumor. Lakhanpal V, et al. South Med J 71(10):1298-302, Oct 78
- [Meningioma in contact with eosinophilic adenoma in a patient with acromegaly (author's transl)] Hainer V, et al.  
Cas Lek Cesk 117(27):829-31, 7 Jul 78 (Eng. Abstr.) (Cze)
- [Anesthesia-intensive care in pituitary gland surgery. Hormonal preparation and preoperative water-electrolyte equilibration] Fossati P, et al. Anesth Analg (Paris) 35(2):287-92, Mar-Apr 78 (Fre)
- [Ocular symptoms in pituitary adenomas (author's transl)] Gajdos-Preuss A, et al. J Fr Ophtalmol 1(6-7):427-38, Jun-Jul 78 (Eng. Abstr.) (Fre)
- [Hyperprolactinemia, male impotence, oligozoospermia and the treatment with Bromocriptin (author's transl)] Schellen TM, et al. Dermatol Monatsschr 164(8):568-70, Aug 78 (Eng. Abstr.) (Ger)
- [Special problems in hypophyseal tumors. 7 selected observations (I)] Rössler R, et al. Med Welt 29(42):1649-52, 20 Oct 78 (Ger)
- [Hyperprolactinemia and pituitary neoplasms] Sato K. Hormon To Rinsho 26(1):67-71, Jan 78 (Jpn)

### DIAGNOSIS

- The diagnosis and management of pituitary tumors. Forman BH, et al. Conn Med 42(9):551-5, Sep 78
- Immunostaining of growth hormone and prolactin in paraffin-embedded and stored or previously stained materials. Halmi NS. J Histochem Cytochem 26(7):486-95, Jul 78 (25 ref.)
- Angioid streaks in pituitary tumor. Lakhanpal V, et al. South Med J 71(10):1298-302, Oct 78
- [Special problems in hypophyseal tumors. 7 selected observations (I)] Rössler R, et al. Med Welt 29(42):1649-52, 20 Oct 78 (Ger)
- [Clinical and diagnostic aspects in hormone inactive pituitary neoplasms] Ventz M, et al. Z Aerztl Fortbild (Jena) 72(15):703-7, 1 Aug 78 (Ger)
- [Diagnosis of hypothalamo-pituitary tumors] Uozumi T. Nippon Rinsho Suppl:1546-7, May 78 (Jpn)

### DRUG THERAPY

- Pregnancy in a case of Nelson's syndrome. Leiba S, et al. Acta Obstet Gynecol Scand 57(4):373-5, 1978
- Bromocriptine in pituitary tumours [letter] Corenblum B. Lancet 2(8093):786, 7 Oct 78

### ETIOLOGY

- Tumours of the pituitary gland. Furth J, et al. IARC Sci Publ (6):201-37, 1976 (113 ref.)
- Acromegalic gigantism and tuberous sclerosis. Hoffman WH, et al. J Pediatr 93(3):478-80, Sep 78
- [Complications following treatment of ACTH-dependent Cushing's disease] Landau B, et al. Harefuah 95(2):77-8, 16 Jul 78 (Eng. Abstr.) (Heb)

## PITUITARY

### METABOLISM

- Precursor-product relationships in the biosynthesis and secretion of thyrotropin and its subunits by mouse thyrotrophic tumor cells. Weintraub BD, et al. FEBS Lett 92(2):303-7, 15 Aug 78
- Tumours of the pituitary gland. Furth J, et al. IARC Sci Publ (6):201-37, 1976 (113 ref.)
- Biochemical and ultrastructural studies on estrogen-induced pituitary tumors in F344 rats. De Nicola AF, et al. J Natl Cancer Inst 61(3):753-63, Sep 78
- Pituitary uterotrophic effect in the estrogen-dependent growth of the rat uterus. Sonnenschein C, et al. J Steroid Biochem 9(6):533-7, Jun 78
- Estrogen induction of growth factors specific for hormone-responsive mammary, pituitary, and kidney tumor cells. Sirbasku DA. Proc Natl Acad Sci USA 75(8):3786-90, Aug 78

### PATHOLOGY

- Morphological, biochemical, ultrastructural, tissue culture and clinical observations of typical and aggressive craniopharyngiomas. Liszczak T, et al. Acta Neuropathol (Berl) 43(3):191-203, 15 Sep 78
- The value of computerized tomography in delineating suprasellar extension of pituitary adenoma for radiotherapeutic management. Danoff BF, et al. Cancer 42(3):1066-72, Sep 78
- Precursor-product relationships in the biosynthesis and secretion of thyrotropin and its subunits by mouse thyrotrophic tumor cells. Weintraub BD, et al. FEBS Lett 92(2):303-7, 15 Aug 78
- Tumours of the pituitary gland. Furth J, et al. IARC Sci Publ (6):201-37, 1976 (113 ref.)
- Angioid streaks in pituitary tumor. Lakhanpal V, et al. South Med J 71(10):1298-302, Oct 78

### PHYSIOPATHOLOGY

- Pituitary function after pituitary apoplexy. Pelkonen R, et al. Am J Med 65(5):773-8, Nov 78
- Neural control of prolactin secretion in man. Boyd AE 3d, et al. Psychoneuroendocrinology 3(2):113-30, Apr 78
- [Practical value of new knowledge on the structure and function of pituitary adenomas] Landolt AM. Schweiz Med Wochenschr 108(40):1521-35, 7 Oct 78 (76 ref.) (Eng. Abstr.) (Ger)

### RADIOGRAPHY

- The value of computerized tomography in delineating suprasellar extension of pituitary adenoma for radiotherapeutic management. Danoff BF, et al. Cancer 42(3):1066-72, Sep 78
- [Diagnosis of hypothalamo-pituitary tumors] Uozumi T. Nippon Rinsho Suppl:1546-7, May 78 (Jpn)

### RADIOTHERAPY

- The value of computerized tomography in delineating suprasellar extension of pituitary adenoma for radiotherapeutic management. Danoff BF, et al. Cancer 42(3):1066-72, Sep 78

### SECRETION

- Effects of two substituted benzamides, tiapride and sultopride, on gonadotrophins and prolactin. L'Hermite M, et al. Acta Endocrinol (Copenh) 89(1):29-37, Sep 78
- Ultrastructural morphometry of sparsely granulated prolactin cell adenomas of the human pituitary. McComb DJ, et al. Acta Endocrinol (Copenh) 89(3):521-9, Nov 78
- Molecular mechanisms of steroid hormone action. Higgins SJ, et al. Adv Cancer Res 28:313-97, 1978 (458 ref.)
- The cells of origin of ACTH in man. Halmi NS, et al. Ann NY Acad Sci 297:167-82, 28 Oct 77
- A possible ACTH secreting tumour of the pituitary developing in a conventionally treated case of Addison's disease. Himsworth RL, et al. Clin Endocrinol (Oxf) 9(2):131-9, Aug 78
- Control of prolactin secretion in man. Bohnet HG, et al. Curr Top Mol Endocrinol 3:257-81, 1976 (143 ref.)
- A case of pituitary apoplexy with spontaneous recovery. Kasai K, et al. Endocrinol Jpn 25(3):209-16, Jun 78
- Tumours of the pituitary gland. Furth J, et al. IARC Sci Publ (6):201-37, 1976 (113 ref.)
- A defect in catecholamine neurons in patients with prolactin-secreting pituitary adenoma. Van Loon GR. Lancet 2(8095):868-71, 21 Oct 78



- Prolactin-screening tumors and hypogonadism in 22 men.  
Carter JN, et al. *N Engl J Med* 299(16):847-52, 19 Oct 78
- [The pathological secretion of prolactin (author's transl)]  
Schaison G. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):634-9, Apr 78 (Eng. Abstr.) (Fre)
- [Practical value of new knowledge on the structure and function of pituitary adenomas] Landolt AM.  
*Schweiz Med Wochenschr* 108(40):1521-35, 7 Oct 78 (76 ref.) (Eng. Abstr.) (Ger)

## SURGERY

- The microsurgery of brain tumours. Khoo JC.  
*Adv Ophthalmol* 37:188-92, 1978
- Delayed cure of Cushing's disease after transsphenoidal surgery of pituitary microadenomas. Report of two cases.  
McDonald SD, et al. *J Neurosurg* 49(4):593-6, Oct 78
- Anterior pituitary function before and after trans-sphenoidal microsurgical resection of pituitary tumors. McLanahan CS, et al. *Neurosurgery* 3(2):142-5, Sep-Oct 78
- [Surgical indications for pituitary adenomas] Christiaens JL.  
*Anesth Analg (Paris)* 35(2):293-4, Mar-Apr 78 (Fre)
- [Anesthesia-intensive care in pituitary gland surgery. Hormonal preparation and preoperative water-electrolyte equilibration] Fossati P, et al. *Anesth Analg (Paris)* 35(2):287-92, Mar-Apr 78 (Fre)
- [Anesthetic techniques and perioperative problems in pituitary gland surgery] Krivosic-Horber R, et al.  
*Anesth Analg (Paris)* 35(2):295-9, Mar-Apr 78 (Fre)
- [Ocular symptoms in pituitary adenomas (author's transl)]  
Gajdos-Preuss A, et al. *J Fr Ophtalmol* 1(6-7):427-38, Jun-Jul 78 (Eng. Abstr.) (Fre)
- [Special problems in hypophyseal tumors. 7 selected observations (I)] Rössler R, et al. *Med Welt* 29(42):1649-52, 20 Oct 78 (Ger)
- [Hypothalamo-pituitary tumors—their surgical treatment]  
Kageyama N, et al. *Nippon Rinsho Suppl*:1548-9, May 78 (Jpn)
- [Transsphenoidal surgery of the pituitary gland] Takeda F.  
*Nippon Rinsho Suppl*:1786-7, May 78 (Jpn)

## THERAPY

- The diagnosis and management of pituitary tumors. Forman BH, et al. *Conn Med* 42(9):551-5, Sep 78
- Prolactin-screening tumors and hypogonadism in 22 men.  
Carter JN, et al. *N Engl J Med* 299(16):847-52, 19 Oct 78

## ULTRASTRUCTURE

- Ultrastructural morphometry of sparsely granulated prolactin cell adenomas of the human pituitary. McComb DJ, et al.  
*Acta Endocrinol (Copenh)* 89(3):521-9, Nov 78
- Morphological, biochemical, ultrastructural, tissue culture and clinical observations of typical and aggressive craniopharyngiomas. Liszczak T, et al.  
*Acta Neuropathol (Berl)* 43(3):191-203, 15 Sep 78
- Biochemical and ultrastructural studies on estrogen-induced pituitary tumors in F344 rats. De Nicola AF, et al.  
*J Natl Cancer Inst* 61(3):753-63, Sep 78
- [Fine structure of the myoblastic myoma] Julišová I, et al.  
*Cesk Patol* 13(4):177-84, Nov 77 (Eng. Abstr.) (Cze)



# PITUITARY

## III. Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs

### ARGIPRESSIN

#### BLOOD

Plasma half-lives of vasopressin and oxytocin analogs after iv injection in rats. Gazis D. *Proc Soc Exp Biol Med* 158(4):663-5, Sep 78

### CORTICOTROPIN

ACTH: a short introductory review. Schwyzer R. *Ann NY Acad Sci* 297:3-26, 28 Oct 77

Structure of the Adenohypophysis in parturient female and neonate harp seals, *Pagophilus groenlandicus*. Leatherland JF, et al. *Cell Tissue Res* 192(2):341-57, 5 Sep 78

[Prednisolone blockade of the hypophysis in tests on the effectiveness of long-acting ACTH preparations in rats] Hankeová A. *Cesk Farm* 27(4):178-81, Jun 78 (Eng. Abstr.) (Cze)

#### ADMINISTRATION & DOSAGE

Distinct dopaminergic systems in ACTH-induced grooming. Cools AR, et al. *Eur J Pharmacol* 50(3):265-8, 1 Aug 78

Successful canine adrenal autotransplantation. Prinz RA, et al. *J Surg Res* 25(3):217-21, Sep 78

#### ANALOGS & DERIVATIVES

Behavioral effects of neuropeptides related to ACTH, MSH, and betaLPH. de Wied D. *Ann NY Acad Sci* 297:263-74, 28 Oct 77

Prostaglandins and calcium-membrane interactions in secretory glands. Rubin RP, et al. *Ann NY Acad Sci* 307:377-90, 28 Apr 78 (51 ref.)

Repeated intraventricular injections of ACTH 1-24: the effects of home or novel environments on excessive grooming. Colbern DL, et al. *Behav Biol* 23(3):381-7, Jul 78

On the metabolism of two adrenocorticotrophin analogues. Baker JR, et al. *Clin Endocrinol (Oxf)* 5 Suppl:61S-72S, 1976

Mouse brain deoxyglucose uptake after footshock, ACTH analogs, alpha-MSH, corticosterone or lysine vasopressin. Delanoy RL, et al. *Pharmacol Biochem Behav* 9(1):21-6, Jul 78

#### ANALYSIS

Clinical studies of 'big ACTH': its physico-chemical characteristics. Yamada Y, et al. *Acta Endocrinol (Copenh)* 89(2):221-31, Oct 78

The cytochemical bioassay of corticotropin (ACTH). Daly JR, et al. *Ann NY Acad Sci* 297:242-59, 28 Oct 77

The cells of origin of ACTH in man. Halmi NS, et al. *Ann NY Acad Sci* 297:167-82, 28 Oct 77

Bioassay of ACTH using isolated cortex cells. Applications: structure activity relationship for ACTH and analogues, assay of corticotropin-releasing factor, and assay of plasma ACTH. Sayers G. *Ann NY Acad Sci* 297:220-41, 28 Oct 77

Discrimination of LH, FSH, TSH and ACTH in dissociated porcine anterior pituitary cells by light and electron microscope immunocytochemistry. Batten TF, et al. *Cell Tissue Res* 192(1):107-20, 25 Aug 78

#### ANTAGONISTS & INHIBITORS

Inhibition of steroidogenic response to corticotropin in mouse adrenal tumor cells (Y-1) by the ionophore A23187. Role of protein biosynthesis. Nakamura M, et al. *Biochim Biophys Acta* 542(2):330-9, 17 Aug 78

Isolation, characterization, and synthesis of a corticotropin-inhibiting peptide from human pituitary glands. Li CH, et al. *Proc Natl Acad Sci USA* 75(9):4306-9, Sep 78

### BIOSYNTHESIS

The origin of ACTH cells in rat anterior pituitary. Nakane PK, et al. *Ann NY Acad Sci* 297:201-4, 28 Oct 77

Steps involved in the processing of common precursor forms of adrenocorticotropin and endorphin in cultures of mouse pituitary cells. Roberts JL, et al. *Biochemistry* 17(17):3609-18, 22 Aug 78

Ectopic hormone production by bronchial carcinomas in culture. Ellison ML, et al. *Clin Endocrinol (Oxf)* 5 Suppl:397S-406S, 1976

ACTH-like immunoreactivity in the gastrin cell. Independent changes in gastrin and ACTH-like immunoreactivity during ontogeny. Larsson LI. *Histochemistry* 56(3-4):245-51, 12 Jul 78

[Regulation of ACTH secretion] Ervin S. *Orv Hetil* 119(42):2543-52, 15 Oct 78 (Hun)

[Ectopic ACTH-producing syndrome] Ogihara T, et al. *Nippon Rinsho Suppl*:1518-9, May 78 (Jpn)

#### BLOOD

Changes in rat hypothalamic content of corticotrophin-releasing factor (CRF) activity, plasma ACTH and corticosterone under stress and the effect of cycloheximide. Fujieda K, et al. *Acta Endocrinol (Copenh)* 89(1):10-9, Sep 78

ACTH and cortisol response to bromocriptine, and results of long-term therapy, in Cushing's disease. Kennedy AL, et al. *Acta Endocrinol (Copenh)* 89(3):461-8, Nov 78

Clinical studies of 'big ACTH': its physico-chemical characteristics. Yamada Y, et al. *Acta Endocrinol (Copenh)* 89(2):221-31, Oct 78

Diagnosis of Sheehan's syndrome using a sequential pituitary stimulation test. DiZerega G, et al. *Am J Obstet Gynecol* 132(4):348-53, 15 Oct 78

Adrenocorticotropin and plasma aldosterone concentration and deoxycorticosterone in man. Biglieri EG, et al. *Ann NY Acad Sci* 297:361-72, 28 Oct 77

The cytochemical bioassay of corticotropin (ACTH). Daly JR, et al. *Ann NY Acad Sci* 297:242-59, 28 Oct 77

Regulation of circadian periodicity of plasma ACTH levels. Krieger DT. *Ann NY Acad Sci* 297:561-7, 28 Oct 77

Plasma ACTH levels in stressed and nonstressed adrenalectomized rats. Ruhmann-Wennhold A, et al. *Ann NY Acad Sci* 297:498-508, 28 Oct 77

Bioassay of ACTH using isolated cortex cells. Applications: structure activity relationship for ACTH and analogues, assay of corticotropin-releasing factor, and assay of plasma ACTH. Sayers G. *Ann NY Acad Sci* 297:220-41, 28 Oct 77

Plasma ACTH radioimmunoassays in the diagnosis of pituitary-adrenal dysfunction. West CD, et al. *Ann NY Acad Sci* 297:205-19, 28 Oct 77

Low urinary oestrogen excretion during pregnancy, due to an impairment of fetal adrenocorticotrophic hormone secretion. Grimberg MT, et al. *Clin Chim Acta* 88(3):449-59, 15 Sep 78

On the metabolism of two adrenocorticotrophin analogues. Baker JR, et al. *Clin Endocrinol (Oxf)* 5 Suppl:61S-72S, 1976

A possible ACTH secreting tumour of the pituitary developing in a conventionally treated case of Addison's disease. Himsworth RL, et al. *Clin Endocrinol (Oxf)* 9(2):131-9, Aug 78

Circadian pattern of secretion of hormones by the anterior pituitary gland with particular reference to the involvement of serotonin in their rhythmic regulation. pp. 163-71. Kordon C, et al.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. Endocrine responses to acoustic stresses. pp. 262-9. Metz B, et al.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (35 ref.)

Endocrine concomitants of the sleep-wake rhythm in man. pp. 124-31. Quabbe HJ.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (34 ref.)

Probable involvement of corticotrophin in ether-induced lipid mobilization in the rabbit: effect of ether stress and

- corticosterone treatment in vivo. LaFontan M, et al. *J Endocrinol* 78(2):285-6, Aug 78
- Cross inhibition models for the transmission of hormonal signals. Van Cauter E, et al. *J Theor Biol* 73(4):657-77, 21 Aug 78
- Hypertension induced by adrenocortical dysfunction—hypertension in 17 alpha-hydroxylase deficiency and metopirone-induced hypertension. Saruta T, et al. *Jpn Circ J* 42(5):621-31, May 78
- Hormonal response to stress in the squirrel monkey (*Saimiri sciureus*). Coe CL, et al. *Neuroendocrinology* 26(6):367-77, 1978
- Hypothalamus-pituitary function in amenorrhea-galactorrhea syndrome. Delitala G, et al. *Panminerva Med* 20(2):89-96, Apr-Jun 78
- Ultrastructural changes in the placenta of the ewe after fetal pituitary stalk section. Steven-DH, et al. *Q J Exp Physiol* 63(3):221-9, Jul 78
- beta-Endorphin is not detectable in plasma from normal human subjects. Suda T, et al. *Science* 202(4364):221-3, 13 Oct 78
- [Hypoglycemia caused by isolated ACTH deficiency] Olsen S. *Ugeskr Laeger* 140(30):1816-7, 24 Jul 78 (Eng. Abstr.) (Dan)
- [Experimental evaluation and clinical application of an ACTH radioimmunoassay ki (CEA-IRE-SORIN)] Inada M, et al. *Horumon To Rinsho* 26(8):807-11, Aug 78 (Jpn)
- [Effect of steroids on hormones and renal function in endotoxin shock (author's transl)] Satoh Y. *Masui* 27(9):918-28, Sep 78 (Eng. Abstr.) (Jpn)

## CEREBROSPINAL FLUID

- Transport of pituitary hormones into the cerebrospinal fluid in women. *Res Reprod* 10(4):1, Jul 78

## CHEMICAL SYNTHESIS

- Synthesis of the nonatriacontapeptide corresponding to the entire amino acid sequence of dogfish adrenocorticotropin. Shimamura S, et al. *Int J Pept Protein Res* 12(3):170-2, Sep 78

## DEFICIENCY

- Prevalence of growth hormone deficiency in children with cleft lip or palate. Rudman D, et al. *J Pediatr* 93(3):378-82, Sep 78
- [Hypoglycemia caused by isolated ACTH deficiency] Olsen S. *Ugeskr Laeger* 140(30):1816-7, 24 Jul 78 (Eng. Abstr.) (Dan)

## DIAGNOSTIC USE

- Diagnosis of Sheehan's syndrome using a sequential pituitary stimulation test. DiZerega G, et al. *Am J Obstet Gynecol* 132(4):348-53, 15 Oct 78
- Androgen and cortisol responses to ACTH stimulation in women with hyperprolactinaemia. Kandeel FR, et al. *Clin Endocrinol (Oxf)* 9(2):123-30, Aug 78
- Plasma levels of 18-hydroxy-11-deoxycorticosterone in essential hypertension. Honda M, et al. *Endocrinol Jpn* 25(3):237-43, Jun 78
- Neuroendocrine response patterns in dominant and subordinate mice. Ely DL, et al. *Horm Behav* 10(2):156-69, Apr 78
- Pathogenesis of essential hypertension with low renin: responses of plasma renin activity to various stimulation tests in essential hypertension. Honda M, et al. *Jpn Circ J* 42(5):613-9, May 78
- Surgical management of Cushing's syndrome. Delaney JP, et al. *Surgery* 84(4):465-70, Oct 78
- [A case of Cushing's syndrome due to adrenal carcinoma (author's transl)] Nakajo M, et al. *Rinsho Hoshasen* 23(9):977-80, Sep 78 (Eng. Abstr.) (Jpn)
- [Glucocorticoid activity of the adrenal cortex in sexual disorders in men] Imshinetskaia LP. *Vrach Delo* (8):46-9, 1978 (Eng. Abstr.) (Rus)

## GENETICS

- Concepts in ectopic hormone production. Rees LH. *Clin Endocrinol (Oxf)* 5 Suppl:363S-372S, 1976 (58 ref.)

## IMMUNOLOGY

- ACTH-like immunoreactivity in the gastrin cell. Independent changes in gastrin and ACTH-like immunoreactivity during ontogeny. Larsson LI. *Histochemistry* 56(3-4):245-51, 12 Jul 78

## ISOLATION & PURIFICATION

- Clinical studies of 'big ACTH': its physico-chemical characteristics. Yamada Y, et al. *Acta Endocrinol (Copenh)* 89(2):221-31, Oct 78

## METABOLISM

- Catecholamines: effects of ACTH and adrenal corticoids. Axelrod J. *Ann NY Acad Sci* 297:275-83, 28 Oct 77
- Behavioral effects of neuropeptides related to ACTH, MSH, and betaLPH. de Wied D. *Ann NY Acad Sci* 297:263-74, 28 Oct 77
- ACTH action on adrenal steroidogenesis. Koritz SB, et al. *Ann NY Acad Sci* 297:329-35, 28 Oct 77
- Structure and biosynthesis of peptides related to corticotropins and beta-melanotropins. Lowry PJ, et al. *Ann NY Acad Sci* 297:49-62, 28 Oct 77
- Heterogeneity of ACTH-containing cells in the rat pituitary, with emphasis on the structure and function of the intermediate lobe. Moriarty GC. *Ann NY Acad Sci* 297:183-200, 28 Oct 77
- ACTH receptors and the effect of ACTH on adrenal organelles. Ontjes DA, et al. *Ann NY Acad Sci* 297:295-313, 28 Oct 77
- Studies of the trophic action of ACTH. Ramachandran J, et al. *Ann NY Acad Sci* 297:336-48, 28 Oct 77
- Some aspects of corticosteroid feedback actions. Smelik PG. *Ann NY Acad Sci* 297:580-90, 28 Oct 77
- Differential responsiveness of central noradrenergic and dopaminergic neuron tyrosine hydroxylase to hypophysectomy, ACTH and glucocorticoid administration. Van Loon GR, et al. *Ann NY Acad Sci* 297:284-94, 28 Oct 77
- ACTH-induced refractoriness in cultured adrenal cell line (Y1). Morera AM, et al. *Biochem Biophys Res Commun* 83(4):1553-60, 29 Aug 78
- On the metabolism of two adrenocorticotrophin analogues. Baker JR, et al. *Clin Endocrinol (Oxf)* 5 Suppl:61S-72S, 1976
- Ectopic hormone production by bronchial carcinomas in culture. Ellison ML, et al. *Clin Endocrinol (Oxf)* 5 Suppl:397S-406S, 1976
- The effects of reserpine on hypothalamo-pituitary adrenocortical function. Vellucci SV. *Gen Pharmacol* 9(5):275-85, 1978 (98 ref.)
- Probable involvement of corticotrophin in ether-induced lipid mobilization in the rabbit: effect of ether stress and corticosterone treatment in vivo. LaFontan M, et al. *J Endocrinol* 78(2):285-6, Aug 78
- Suppression of the hypothalamic-pituitary-adrenal axis after oral hydrocortisone succinate ingestion in rats. Mims RB. *J Natl Med Assoc* 70(1):37-40, Jan 78
- Evidence for two separate opiate peptide neuronal systems. Watson SJ, et al. *Nature* 275(5677):226-8, 21 Sep 78
- Effects of fenfluramine administration on activity of the pituitary-adrenal system in the rat. Heybach JP, et al. *Proc West Pharmacol Soc* 21:19-25, 1978

## PHARMACODYNAMICS

- Effect of glucocorticoids on plasma testosterone in men. Schaison G, et al. *Acta Endocrinol (Copenh)* 89(1):126-31, Sep 78
- Desoxycorticosterone in normal pregnancy. I. Sequential studies of the secretory patterns of desoxycorticosterone, aldosterone, and cortisol. Nolten WE, et al. *Am J Obstet Gynecol* 132(4):414-20, 15 Oct 78
- Catecholamines: effects of ACTH and adrenal corticoids. Axelrod J. *Ann NY Acad Sci* 297:275-83, 28 Oct 77
- Adrenocorticotropin and plasma aldosterone concentration and desoxycorticosterone in man. Biglieri EG, et al. *Ann NY Acad Sci* 297:361-72, 28 Oct 77
- Extra-CNS corticotropin-releasing factors. Brodsh A. *Ann NY Acad Sci* 297:420-35, 28 Oct 77
- Effect of ACTH on cytochrome P450 systems of the adrenal cortex. Brownie AC, et al. *Ann NY Acad Sci* 297:349-60, 28 Oct 77
- The neural regulation of compensatory adrenal growth. Dallman MF, et al. *Ann NY Acad Sci* 297:373-92, 28 Oct 77
- The cytochemical bioassay of corticotropin (ACTH). Daly JR, et al. *Ann NY Acad Sci* 297:242-59, 28 Oct 77
- Behavioral effects of neuropeptides related to ACTH, MSH, and betaLPH. de Wied D. *Ann NY Acad Sci* 297:263-74, 28 Oct 77
- A comparison of the effects of ACTH, vasoactive intestinal peptide, and cholera toxin on adrenal cAMP and steroid synthesis. Kowal J, et al. *Ann NY Acad Sci* 297:314-28, 28 Oct 77
- Studies of the trophic action of ACTH. Ramachandran J, et



- al. *Ann NY Acad Sci* 297:336-48, 28 Oct 77
- Prostaglandins and calcium-membrane interactions in secretory glands. Rubin RP, et al. *Ann NY Acad Sci* 307:377-90, 28 Apr 78 (51 ref.)
- Bioassay of ACTH using isolated cortex cells. Applications: structure activity relationship for ACTH and analogues, assay of corticotropin-releasing factor, and assay of plasma ACTH. Sayers G. *Ann NY Acad Sci* 297:220-41, 28 Oct 77
- ACTH: a short introductory review. Schwyzer R. *Ann NY Acad Sci* 297:3-26, 28 Oct 77
- Differential responsiveness of central noradrenergic and dopaminergic neuron tyrosine hydroxylase to hypophysectomy, ACTH and glucocorticoid administration. Van Loon GR, et al. *Ann NY Acad Sci* 297:284-94, 28 Oct 77
- ACTH-induced refractoriness in cultured adrenal cell line (Y1). Morera AM, et al. *Biochem Biophys Res Commun* 83(4):1553-60, 29 Aug 78
- Alterations in response of rat white adipocytes to insulin, noradrenaline, corticotropin and glucagon after adrenalectomy. Correction of these changes by adenosine deaminase. Fernandez BM, et al. *Biochem J* 174(1):111-8, 15 Jul 78
- Mechanisms of corticotropin action in rat adrenal cells. I. The effects of inhibitors of protein synthesis and of microfilament formation on corticosterone synthesis. Crivello JF, et al. *Biochem Biophys Acta* 542(2):315-29, 17 Aug 78
- Ultrastructural demonstration of hormone-induced movement of carotenoid droplets and endoplasmic reticulum in xanthophores of the goldfish, *Carassius auratus* L. Obika M, et al. *Cell Tissue Res* 190(3):409-16, 10 Jul 78
- Possible relationship between the activity of the adrenal gland and the subcommissural organ in the lizard *Lacerta s. sicula* Raf. Effects of ACTH Administration during winter. Varano L, et al. *Cell Tissue Res* 192(1):53-65, 25 Aug 78
- Low urinary oestrogen excretion during pregnancy, due to an impairment of fetal adrenocorticotrophic hormone secretion. Grimberg MT, et al. *Clin Chim Acta* 88(3):449-59, 15 Sep 78
- The ultrastructure of functional mouse adrenal cortical tumor cells in vitro. Mattson P, et al. *Differentiation* 11(2):75-88, 1978
- Studies on the mechanism of action of ACTH on triglyceride synthesis in fat cells. Matsuoka N, et al. *Endocrinol Jpn* 25(3):225-9, Jun 78
- The role of the adrenal medulla in the psychosomatic activity and reactivity to stresses. Mandache FL, et al. *Endocrinologie* 16(3):171-8, Jul-Sep 78
- Distinct dopaminergic systems in ACTH-induced grooming. Cools AR, et al. *Eur J Pharmacol* 50(3):265-8, 1 Aug 78
- Mobilization of CFU-C by exercise and ACTH induced stress in man. Barrett AJ, et al. *Exp Hematol* 6(7):590-4, Aug 78
- Increased sensitivity to epinephrine of the cyclic AMP-protein kinase system in adipose tissue of diabetic rats. Zapf J, et al. *FEBS Lett* 94(1):43-6, 1 Oct 78
- Feedback and facilitation in the adrenocortical system and the endocrine responses to repeated stimuli. pp. 252-9. Dallman MF, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Endocrine response in osmoregulation: hormonal adaptation in aquatic birds. pp. 230-9. Holmes WN.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (35 ref.)
- Maternal and fetal plasma steroid hormone levels in vaginal delivery with and without ACTH infusion. Miyakawa I, et al. *Int J Gynaecol Obstet* 15(6):539-44, 1978
- Blood pressure and metabolic effects of adrenocorticotrophin after administration to pregnant sheep. Cahill F, et al. *J Endocrinol* 78(2):301-2, Aug 78
- Sensitive new in vitro bioassay for melanocyte-stimulating activity using the skin of *Anolis carolinensis*. Carter RJ, et al. *J Invest Dermatol* 71(4):229-32, Oct 78
- Effects of ascorbic acid deficiency on adrenal mitochondrial hydroxylations in guinea pigs. Björkhem I, et al. *J Lipid Res* 19(6):695-704, Aug 78
- Mouse brain tyrosine hydroxylase and glutamic acid decarboxylase following treatment with adrenocorticotrophic hormone, vasopressin or corticosterone. Dunn AJ, et al. *J Neurochem* 31(4):977-82, Oct 78
- Estrogen-like compounds and progesterone in male and female rats before puberty--II. Effects of administration of ACTH, steroidogenesis inhibitors, dexamethasone and hCG. Audi L, et al. *J Steroid Biochem* 9(7):631-5, Jul 78
- The apparent lack of stimulation of rabbit adrenal 21-hydroxylase activity by ACTH. Fevold HR, et al. *J Steroid Biochem* 9(6):583-4, Jun 78
- The effect of sex and strain of rats on the in vitro response of adrenocortical tissue of ACTH stimulation. Vinson GP, et al. *J Steroid Biochem* 9(6):553-60, Jun 78
- Mouse brain deoxyglucose uptake after footshock, ACTH analogs, alpha-MSH, corticosterone or lysine vasopressin. Delanoy RL, et al. *Pharmacol Biochem Behav* 9(1):21-6, Jul 78
- Effects of ACTH and the adrenals on serum and antral gastrin levels in the rat. Sander LD, et al.
- Proc Soc Exp Biol Med* 158(4):609-13, Sep 78
- Cholesterol arachidonate as a prostaglandin precursor in adrenocortical cells. Vahouny GV, et al. *Prostaglandins* 16(2):207-20, Aug 78
- Selective interference of ACTH-10 with discriminative responding based on the narcotic cue. Colpaert FC, et al. *Psychoneuroendocrinology* 3(2):203-10, Apr 78
- [Changes in 3H-noradrenaline activity in the adrenals and serum of rats under the influence of histamine and adrenocorticotrophic hormone] Raionov A, et al. *Eksp Med Morfol* 17(3):126-31, 1978 (Eng. Abstr.) (Bul)
- [Effects of various endocrinous treatments and differentiation on the somatostatin volume in the rat hypothalamus] Kanda K, et al. *Hormon To Rinsho* 26(6):533-6, Jun 78 (Jpn)
- [Effect of ACTH on the actions of various bronchoconstrictors (author's transl)] Kitamura S, et al. *Nippon Kyobu Shikkan Gakkai Zasshi* 16(6):440-4, Jun 78 (Eng. Abstr.) (Jpn)
- [Specific variability in the number of cells with X-chromatin in short-term buccal epithelium cultures from women following exposure to hormones at different phases in their individual diurnal biorhythm] Zaletaeva TA, et al. *Biull Eksp Biol Med* 86(9):374-8, Sep 78 (Eng. Abstr.) (Rus)
- [Mechanism of the change in adipocyte sensitivity to ACTH and adrenaline in spontaneous genetic hypertension in rats] Orlov SN, et al. *Kardiologia* 18(9):125-31, Sep 78 (Eng. Abstr.) (Rus)

## PHYSIOLOGY

ACTH and related peptides: structure, regulation, and action.

*Ann NY Acad Sci* 297:1-664, 28 Oct 77

Hormone-receptor interactions. The message sequence of

alpha-melanotropin: demonstration of two active sites.

Eberle A, et al. *Clin Endocrinol (Oxf)* 5 Suppl:41S-48S, 1976

Mode of action of peptide hormones. Neher R, et al.

*Clin Endocrinol (Oxf)* 5 Suppl:29S-39S, 1976

Is posterior-hypophyseal corticotropin involved in neurogenic

stress? pp. 260-1. Mialhe C, et al.

In: Assenmacher I, Farner DS, ed. *Environmental*

*endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.

Hormonal regulation of membrane receptors and cell

responsiveness: a review. Tell GP, et al. *Metabolism*

27(10):1566-92, Oct 78

Application of the Sousa (John Phillip) principles to medical

research: the role of cyclic nucleotides in hormone and drug

action. Bransome ED Jr. *Trans Am Clin Climatol Assoc*

89:172-83, 1977 (47 ref.)

[ACTH unresponsiveness] Tsuruhara T, et al.

*Nippon Rinsho Suppl*:1508-9, May 78 (Jpn)

[Effect of long-term suppression and long-term stimulation

of ACTH secretion on the ultrastructure of tanocytes]

Akmaev IG, et al. *Tsitologiya* 20(7):742-7, Jul 78 (Eng.

Abstr.) (Rus)

## SECRETION

Specific subclones derived from a multipotential clone of rat

anterior pituitary cells. Shiino M, et al. *Am J Anat*

153(1):81-95, Sep 78

Neural control of ACTH release in response to hemorrhage.

Gann DS, et al. *Ann NY Acad Sci* 297:477-97, 28 Oct 77

Neurotransmitters involved in ACTH secretion:

catecholamines. Ganong WF. *Ann NY Acad Sci* 297:509-17,

28 Oct 77

The cells of origin of ACTH in man. Halmi NS, et al.

*Ann NY Acad Sci* 297:167-82, 28 Oct 77

Assays and dynamics of corticotropin-releasing factor activity

in rat hypothalamus. Hiroshige T, et al.

*Ann NY Acad Sci* 297:436-54, 28 Oct 77

Neuroendocrine consequences of chemical indolectomy.

Jacoby JH, et al. *Ann NY Acad Sci* 305:387-98, 12 Jun 78

(123 ref.)

Serotonin regulation of ACTH secretion. Krieger DT.

*Ann NY Acad Sci* 297:527-35, 28 Oct 77

Neural pathways involved in ACTH regulation. Palkovits M.

*Ann NY Acad Sci* 297:455-76, 28 Oct 77

ACTH as a tumor marker. Rees LH, et al.

*Ann NY Acad Sci* 297:603-20, 28 Oct 77

Plasma ACTH levels in stressed and nonstressed



- adrenalectomized rats. Ruhmann-Wennhold A, et al. *Ann NY Acad Sci* 297:498-508, 28 Oct 77
- ACTH and cortisol secretion in psychiatric disease. Sachar EJ. *Ann NY Acad Sci* 297:621-7, 28 Oct 77
- Control of anterior pituitary function. Locke W. *Arch Intern Med* 138(10):1541-5, Oct 78
- Unifying concept of non-pituitary ACTH-secreting tumors: evidence of common origin of neural-crest tumors, carcinoids, and oat-cell carcinomas. Skrabanek P, et al. *Cancer* 42(3):1263-9, Sep 78 (0 ref.)
- Low urinary oestrogen excretion during pregnancy, due to an impairment of fetal adrenocorticotrophic hormone secretion. Grimberg MT, et al. *Clin Chim Acta* 88(3):449-59, 15 Sep 78
- A possible ACTH secreting tumour of the pituitary developing in a conventionally treated case of Addison's disease. Himsworth RL, et al. *Clin Endocrinol (Oxf)* 9(2):131-9, Aug 78
- Concepts in ectopic hormone production. Rees LH. *Clin Endocrinol (Oxf)* 5 Suppl:363S-372S, 1976 (58 ref.)
- Clinical implications of growth hormone release inhibiting hormone (GH-RIH). Besser GM. *Curr Top Mol Endocrinol* 3:115-25, 1976 (19 ref.)
- Delayed cure of Cushing's disease after transsphenoidal surgery of pituitary microadenomas. Report of two cases. McDonald SD, et al. *J Neurosurg* 49(4):593-6, Oct 78
- Control of plasma aldosterone in a patient with Conn's syndrome before and during spironolactone medication. Vetter H, et al. *Klin Wochenschr* 53(8):391-3, 15 Apr 75
- Role of brain monoamines and histamine in regulation of anterior pituitary secretion. Weiner RI, et al. *Physiol Rev* 58(4):905-76, Oct 78 (509 ref.)
- TSH and ACTH secretion and cyclic adenosine 3'5' monophosphate content following stimulation with TRH or lysine vasopressin in vitro: suppression by thyroxine and dexamethasone. Rose JC, et al. *Proc Soc Exp Biol Med* 158(4):524-9, Sep 78
- Tumor products and potential markers in small cell lung cancer Richardson RL, et al. *Semin Oncol* 5(3):253-62, Sep 78 (79 ref.)
- [Circadian rhythms in man. Their incidence in endocrinology (author's transl)] Mainard F, et al. *Pathol Biol (Paris)* 26(5):255-64, May-Jun 78 (93 ref.) (Eng. Abstr.) (Fre)
- [Virilism due to an adrenal medullary tumor with ectopic ACTH syndrome (author's transl)] Kley HK, et al. *Klin Wochenschr* 53(7):321-7, 1 Apr 75 (Ger)
- [Practical value of new knowledge on the structure and function of pituitary adenomas] Landolt AM. *Schweiz Med Wochenschr* 108(40):1521-35, 7 Oct 78 (76 ref.) (Eng. Abstr.) (Ger)
- [Regulation of ACTH secretion] Ervin S. *Orv Hetil* 119(42):2543-52, 15 Oct 78 (Hun)
- [Cushing's disease] Kumagai A, et al. *Nippon Rinsho Suppl*:1536-7, May 78 (Jpn)
- [Functioning tumors with special reference to ectopic hormone producing tumors (author's transl)] Imura H, et al. *Tanpakushitsu Kakusan Koso* 23(6):641-56, May 78 (67 ref.) (Jpn)

## THERAPEUTIC USE

- Focal loss of pigment in the Belgian Tervuren dog. Mahaffey MB, et al. *J Am Vet Med Assoc* 173(4):390-6, 15 Aug 78
- The adrenal response to exogenous adrenocorticotrophin in patients with infections due to *Neisseria meningitidis*. Wajchenberg B, et al. *J Infect Dis* 138(3):387-91, Sep 78
- [Myoclonic-astatic seizures (Lennox syndrome) in the course of juvenile neuronal ceroid-lipofuscinosis (M. Batten-Spielmeyer-Vogt) (author's transl)] Lagenstein I, et al. *Klin Paediatr* 190(5):507-11, Sep 78 (Eng. Abstr.) (Ger)
- [The dissociated effect of ACTH treatment on the sequelae of Bell's facial paralysis] Andrei V, et al. *Rev Med Interna [Neurol Psihiatr]* 23(2):117-22, Apr-Jun 78 (Rum)

## COSYNTROPIN

### ADMINISTRATION & DOSAGE

- Successful canine adrenal autotransplantation. Prinz RA, et al. *J Surg Res* 25(3):217-21, Sep 78

### DIAGNOSTIC USE

- Adrenal function and ascorbic acid concentrations in elderly women. Dubin B, et al. *Gerontology* 24(6):473-6, 1978
- [Change in the estradiol, progesterone and testosterone levels

in the blood plasma in Stein-Leventhal syndrome] Dokumov S, et al. *Akush Ginekol (Mosk)* (8):33-5, Aug 78 (Rus)

## METABOLISM

- On the metabolism of two adrenocorticotrophin analogues. Baker JR, et al. *Clin Endocrinol (Oxf)* 5 Suppl:61S-72S, 1976

## PHARMACODYNAMICS

- Repeated intraventricular injections of ACTH 1-24: the effects of home or novel environments on excessive grooming. Colbern DL, et al. *Behav Biol* 23(3):381-7, Jul 78

## DESMOPRESSIN

### BLOOD

- Plasma half-lives of vasopressin and oxytocin analogs after iv injection in rats. Gazis D. *Proc Soc Exp Biol Med* 158(4):663-5, Sep 78

### METABOLISM

- Modes of inactivation of neurohypophysial hormones: significance of plasma disappearance rate for their physiological responses. Pliška V, et al. *Clin Endocrinol (Oxf)* 5 Suppl:73S-84S, 1976

### PHARMACODYNAMICS

- Modes of inactivation of neurohypophysial hormones: significance of plasma disappearance rate for their physiological responses. Pliška V, et al. *Clin Endocrinol (Oxf)* 5 Suppl:73S-84S, 1976

\*

## FSH

### ANALYSIS

- Studies on a human chorionic gonadotrophin-like material present in non-pregnant subjects. Robertson DM, et al. *Acta Endocrinol (Copenh)* 89(3):492-505, Nov 78
- Influence of the purity of the iodinated tracer on the specificity of the radioimmunoassay of human luteinizing hormone. Suginami H, et al. *Acta Endocrinol (Copenh)* 89(3):506-20, Nov 78
- Discrimination of LH, FSH, TSH and ACTH in dissociated porcine anterior pituitary cells by light and electron microscope immunocytochemistry. Batten TF, et al. *Cell Tissue Res* 192(1):107-20, 25 Aug 78
- Impairment of the hypothalamo-pituitary-ovarian axis of the athymic 'nude' mouse. Weinstein Y. *Mech Ageing Dev* 8(1):63-8, Jul 78

### BIOSYNTHESIS

- Circadian variation of pituitary LH and FSH in the pinealectomized rat. Damian E, et al. *Endocrinologie* 16(3):205-7, Jul-Sep 78

### BLOOD

- Absence of inhibition by hyperprolactinaemia on ovarian response to exogenous gonadotrophin. Aono T, et al. *Acta Endocrinol (Copenh)* 89(1):142-8, Sep 78
- The effect of LH-RH infusion on serum LH, FSH and testosterone in boys with advanced puberty, delayed puberty and hypogonadotrophic hypogonadism. de Lange WE, et al. *Acta Endocrinol (Copenh)* 89(2):209-16, Oct 78
- Pituitary and ovarian hormonal response to 48 h gonadotrophin releasing hormone (GnRH) infusions in female Rhesus monkeys. Ferin M, et al. *Acta Endocrinol (Copenh)* 89(1) Sep 78
- Adrenal involvement in the timing of puberty in female rats: interaction with serum prolactin levels. Gelato MC, et al. *Acta Endocrinol (Copenh)* 89(3):590-8, Nov 78
- Action of testosterone propionate on the gonadotrophic function of the pituitary gland in the cyclic female rat. Hassani M, et al. *Acta Endocrinol (Copenh)* 89(3):551-6, Nov 78
- Effect of norepinephrine synthesis inhibitors and a dopamine agonist on hypothalamic LH-RH serum gonadotrophin and prolactin levels in gonadal steroid treated rats. Kalra SP,



- et al. *Acta Endocrinol (Copenh)* 89(1):1-9, Sep 78
- A heterologous radioimmunoassay for avian prolactin: application to the measurement of prolactin in the turkey. McNeilly AS, et al. *Acta Endocrinol (Copenh)* 89(1):60-9, Sep 78
- Oestrogen induced Leydig cell refractoriness to gonadotrophin stimulation. Saez JM, et al. *Acta Endocrinol (Copenh)* 89(2):379-92, Oct 78
- Ovarian biopsy in the evaluation of amenorrhea. Karam K, et al. *Acta Obstet Gynecol Scand* 57(4):361-11, 1978
- Influence of oral contraceptives on immediate postabortal pituitary-ovarian function. Lähteenmäki P. *Acta Obstet Gynecol Scand Suppl* 76:1-43, 1978
- Ovarian follicular apparatus and hormonal parameters in patients with primary and secondary amenorrhea. Nakano R, et al. *Acta Obstet Gynecol Scand* 57(4):293-300, 1978
- Vaginal blood flow during the menstrual cycle. Abrams RM, et al. *Am J Obstet Gynecol* 132(4):396-400, 15 Oct 78
- Production and origin of estrogen in two true hermaphrodites. Aiman J, et al. *Am J Obstet Gynecol* 132(4):401-9, 15 Oct 78
- Analysis of secretory patterns of prolactin and gonadotropins during twenty-four hours in a lactating woman before and after resumption of menses. Madden JD, et al. *Am J Obstet Gynecol* 132(4):436-41, 15 Oct 78
- Effect of premenopausal castration and incremental dosages of conjugated equine estrogens on plasma follicle-stimulating hormone, luteinizing hormone, and estradiol. Utian WH, et al. *Am J Obstet Gynecol* 132(3):297-302, 1 Oct 78
- The integrated gonadotrophin test. Santner SJ, et al. *Ann Intern Med* 89(4):512-3, Oct 78
- Deranged anterior pituitary responsiveness to hypothalamic hormones in depressed patients. Brambilla F, et al. *Arch Gen Psychiatry* 35(10):1231-8, Oct 78
- Daily assessment of ocular and hormonal variables throughout the menstrual cycle. Feldman F, et al. *Arch Ophthalmol* 96(10):1835-8, Oct 78
- Testicular damage due to cytotoxic drugs and recovery after cessation of therapy. Roeser HP, et al. *Aust NZ J Med* 8(3):250-4, Jun 78
- Effects of estradiol on serum and pituitary gonadotropin concentrations during selective elevation of follicle stimulating hormone. Chappel SC, et al. *Biol Reprod* 19(1):159-66, Aug 78
- Induction of ovulation with clomiphene and human chorionic gonadotrophin in women with hyperprolactinaemic amenorrhoea. McGarrigle HH, et al. *Br J Obstet Gynaecol* 85(9):692-7, Sep 78
- The effects of quinnestrol and bromocriptine on blood coagulation, serum prolactin and serum FSH levels in puerperal women. Osbourne GK, et al. *Br J Obstet Gynaecol* 85(9):687-91, Sep 78
- Effects of estrogen and progesterone on plasma gonadotropins and on catecholamine levels and turnover in discrete brain regions of ovariectomized rats. Crowley WR, et al. *Brain Res* 154(2):345-57, 13 Oct 78
- Effects of acute administration of monosodium-L-glutamate (MSG), atropine or haloperidol on anterior pituitary hormone secretion in the rat. Nemeroff CB, et al. *Brain Res* 156(1):198-201, 3 Nov 78
- The effects of intraventricular injection of gamma-aminobutyric acid (GABA) on prolactin and gonadotropin release in conscious female rats. Vijayan E, et al. *Brain Res* 155(1):35-43, 20 Oct 78
- Plasma hormone profiles of young women at risk for familial breast cancer. Fishman J, et al. *Cancer Res* 38(11 Pt 2):4006-11, Nov 78
- Immunofluorescence study of the hypothalamo-infundibular LRH tract and serum gonadotropin levels in the female squirrel monkey during the estrous cycle. Barry J, et al. *Cell Tissue Res* 192(2):215-26, 5 Sep 78
- The disappearance of HCG and return of pituitary function after abortion. Lähteenmäki P. *Clin Endocrinol (Oxf)* 9(2):101-12, Aug 78
- Gonadotrophin, thyrotrophin and prolactin reserve in beta thalassaemia. Landau H, et al. *Clin Endocrinol (Oxf)* 9(2):163-73, Aug 78
- Pharmacology of hypothalamic regulatory peptides. Vale W, et al. *Clin Endocrinol (Oxf)* 5 Suppl:261S-273S, 1976 (41 ref.)
- Suppression of gonadotropin release and ovulation in animals by inhibitory analogs of luteinizing hormone-releasing hormone. Coy DH, et al. *Curr Top Mol Endocrinol* 3:339-54, 1976 (22 ref.)
- The role of estradiol in modulating LH and FSH response to gonadotropin releasing hormone. Jaffe RB, et al. *Curr Top Mol Endocrinol* 3:211-54, 1976
- Therapeutic use of luteinizing hormone-releasing hormone in the human female. Nillius SJ. *Curr Top Mol Endocrinol* 3:93-112, 1976
- Studies on the diagnostic use of LH-RH. Rochefort JG, et al. *Curr Top Mol Endocrinol* 3:65-72, 1976
- Diagnostic and therapeutic use of LH-RH in the infertile man. Schwarzstein L. *Curr Top Mol Endocrinol* 3:73-91, 1976
- Changes of serum and pituitary TSH, LH and FSH concentrations following the slow infusion of TRH and LRH. Soji T. *Endocrinol Jpn* 25(3):231-6, Jun 78
- Changes in serum 17alpha-hydroxyprogesterone levels during periovulatory phase in women. Uemura T, et al. *Endocrinol Jpn* 25(3):295-8, Jun 78
- Influence of hormonal contraceptives on the pituitary response to LH/FSH-releasing hormone. Carol W, et al. *Endokrinologie* 71(3):277-85, Mar 78
- Circadian pattern of secretion of hormones by the anterior pituitary gland with particular reference to the involvement of serotonin in their rhythmic regulation. pp. 163-71. Kordon C, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Endocrine concomitants of the sleep-wake rhythm in man. pp. 124-31. Quabbe HJ.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (34 ref.)
- Annual endocrine rhythms in healthy young adult men: their implication in human biology and medicine. pp. 113-21. Reinberg A, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Hypothalamo-pituitary-testicular axis in men undergoing chronic intermittent hemodialysis. Kawamura J, et al. *Int J Artif Organs* 1(5):224-30, Sep 78
- Mesterolone treatment of patients with pathospermia. Szöllösi J, et al. *Int Urol Nephrol* 10(3):251-6, 1978
- Rate of testicular maturation, in relation to gonadotrophin and testosterone levels, in quail exposed to various artificial photoperiods and to natural daylengths. Follett BK, et al. *J Endocrinol* 78(2):267-80, Aug 78
- Effect of active immunization against oestrogens on plasma gonadotrophins in the ewe and the response to synthetic oestrogen or LH. Pant HC, et al. *J Reprod Fertil* 53(2):241-8, Jul 78
- Leydig cell function in oligospermic men with varicocele. Weiss DB, et al. *J Urol* 120(4):427-30, Oct 78
- Impairment of the hypothalamo-pituitary-ovarian axis of the athymic 'nude' mouse. Weinstein Y. *Mech Ageing Dev* 8(1):63-8, Jul 78
- Hypothalamus-pituitary function in amenorrhea-galactorrhea syndrome. Delitala G, et al. *Panminerva Med* 20(2):89-96, Apr-Jun 78
- Entrainment of the female hamster to reversed photoperiod: role of the pineal. Finkelstein JS, et al. *Physiol Behav* 21(1):105-11, Jul 78
- Effect of prostaglandin F2alpha on ovarian and pituitary function in the mid-luteal phase. Kajanoja P, et al. *Prostaglandins* 16(2):327-32, Aug 78
- Serum hormone levels in benign prostatic hyperplasia. Sködefors H, et al. *Scand J Urol Nephrol* 12(2):111-4, 1978
- Evidence for induction of germinal aplasia in male rats by environmental exposure to boron. Lee IP, et al. *Toxicol Appl Pharmacol* 45(2):577-90, Aug 78
- Testosterone metabolism in patients with advanced carcinoma of the prostate: a comparative in vivo study of the effects of oestrogen and antiprolactin. Jacobi GH, et al. *Urol Res* 6(3):159-65, 1 Sep 78
- Prostatic carcinoma: plasma kinetics and intraprostatic metabolism of testosterone in low-dose estrogen-treated patients in vivo. Jacobi GH, et al. *Urology* 12(3):359-64, Sep 78
- [Relation between the results of LHRH tests and ovarian biopsies in dystrophic syndromes and Stein-Leventhal syndromes] Bruhat MA, et al. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):738-43, Apr 78 (Fre)
- [Regulation of the adenohypophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. IV. Somatostatin and somatotropin releasing hormones] Blech W. *Endokrinologie* 72(1):77-118, Apr 78 (240 ref.) (Ger)
- [Testosterone, FSH and LH level in the serum of patients with prostatic neoplasms, treated with female hormones] Weidner W, et al. *Helv Chir Acta* 45(3):287-90, Jul 78 (Eng. Abstr.) (Ger)
- [Criteria of interpretation of the LH-RH test. Preliminary investigation in the study of amenorrhea in the course of diabetes mellitus] Wierdis T, et al. *Minerva Ginecol* 30(9):695-706, Sep 78 (Ita)
- [Endocrine abnormalities in systemic muscle cramp] Takeuchi A, et al. *Horumon To Rinsho* 26(1):45-50, Jan 78 (Jpn)



- [Regulatory mechanism of gonadotropin secretion (3). Negative feedback and biphasic effect of estrogens on gonadotropin] Tamada T, et al. *Horumon To Rinsho* 26(1):57-66, Jan 78 (Jpn)
- [Idiopathic varicocele. Report 1. Testicular function (author's transl)] Okuyama A, et al. *Nippon Hinyokika Gakkai Zasshi* 69(6):787-93, Jun 78 (Eng. Abstr.) (Jpn)
- [Studies of endocrinological function of testis. Report 2. Delayed puberty (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):686-92, Jun 78 (Eng. Abstr.) (Jpn)
- [Studies of endocrinological function of testis. Report 3. Hypogonadism of adult (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):693-9, Jun 78 (Eng. Abstr.) (Jpn)
- [Effects of postovulatory synthetic corticosteroid administration on ovarian function in women (author's transl)] Koyama T, et al. *Nippon Naibunpi Gakkai Zasshi* 54(5):648-53, 20 May 78 (Eng. Abstr.) (Jpn)
- [Effect of dexamethasone on blood level of FSH and LH in patients with hirsutism and patients with Stein-Leventhal syndrome] Zieleniewski J, et al. *Endokrynol Pol* 29(4):305-11, Jul-Aug 78 (Eng. Abstr.) (Pol)
- [Characteristics of the gonadotropic function of the hypothalamo-hypophyseal system in girls with certain forms of gonadal dysgenesis] Safaralieva AR. *Akush Ginekol (Mosk)* (8):27-30, Aug 78 (Rus)
- [Gonadotropic function of the hypophysis in different forms of gonadal dysgenesis] Veinberg EG, et al. *Akush Ginekol (Mosk)* (8):20-4, Aug 78 (Eng. Abstr.) (Rus)
- [Effect of body weight reduction on plasma gonadotropins and testosterone levels in obese females] Kocijancić A, et al. *Jugosl Ginekol Opstet* 17(4):211-5, Jul-Aug 77 (Eng. Abstr.) (Ser)
- [Comparative study of 2 different radioimmunoassays in the evaluation of plasma LH and FSH: I. Methods of double antibody (NIH) II. Serono's commercial kits] Fernández-Durango R, et al. *Rev Clin Esp* 150(1-2):25-30, Jul 78 (Eng. Abstr.) (Spa)

## METABOLISM

- On the relative biological and immunoreactive potencies of luteinizing hormone in the oestradiol benzoate-treated male rat. Grotjan HE Jr, et al. *Acta Endocrinol (Copenh)* 89(3):538-50, Nov 78
- Heterogeneity of ACTH-containing cells in the rat pituitary, with emphasis on the structure and function of the intermediate lobe. Moriarty GC. *Ann NY Acad Sci* 297:183-200, 28 Oct 77
- Changes of serum and pituitary TSH, LH and FSH concentrations following the slow infusion of TRH and LRH. Soji T. *Endocrinol Jpn* 25(3):231-6, Jun 78
- Biological activity of hybrid combinations of ovine and sea turtle LH subunits. Licht P, et al. *Gen Comp Endocrinol* 35(3):289-94, Jul 78
- Neuroendocrine aspects of reproduction in experimental malnutrition. pp. 306-12. Srebnik HH, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (27 ref.)
- Binding of 125I-labelled FSH in the mouse testis in vitro. Davies AG, et al. *J Reprod Fertil* 53(2):249-54, Jul 78
- Anti-LH and FSH activity of melatonin-free pineal extract. Damian E, et al. *Neuroendocrinology* 26(6):325-32, 1978
- Responses to intensive training and methandrostenolone administration: II. Hormonal, organ weights, muscle weights and body composition. Stone MH, et al. *Pfluegers Arch* 375(2):147-51, 18 Jul 78
- Direct and pituitary-mediated effects of delta9-THC and cannabinalol on the testis. Dalterio S, et al. *Pharmacol Biochem Behav* 8(6):673-8, Jun 78
- Site of action of oestrogens in controlling the release of LH and FSH in the rhesus monkey. *Res Reprod* 10(4):4, Jul 78
- [Specific features of hormonal balance in patients with myoma of the uterus] Arakelians AB, et al. *Sov Med* (8):140-4, Aug 78 (Rus)

## PHARMACODYNAMICS

- Cyclic AMP and cyclic GMP accumulation by isolated hamster granulosa cells stimulated by LH and FSH. Makris A, et al. *Acta Endocrinol (Copenh)* 89(1):173-81, Sep 78
- Maturational changes in sheep ovarian follicles: gonadotrophic stimulation of cyclic AMP production by isolated theca and granulosa cells. Weiss TJ, et al.

- Acta Endocrinol (Copenh)* 89(1):166-72, Sep 78
- Cholesteryl ester depletion from the ovaries of superovulated female rats fed a normal or essential fatty acid deficient diet. Young AK, et al. *Can J Physiol Pharmacol* 56(4):585-90, Aug 78
- Effect of follicle stimulating hormone on the testes of *Puntius ticto* (Ham.). Kapoor CP. *Endokrinologie* 72(1):17-24, Apr 78
- The effects of vertebrate gonadotrophins on androgen release in vitro from testicular cells of Japanese quail and a comparison with their radioimmunoassay activities. Jenkins N, et al. *Gen Comp Endocrinol* 35(3):309-21, Jul 78
- In vivo responses of female snakes (*Natrix fasciata*) and female turtles (*Chrysemys picta*) to ovine gonadotrophins (FSH and LH) as measured by plasma progesterone, testosterone, and estradiol levels. Lance V, et al. *Gen Comp Endocrinol* 35(3):295-301, Jul 78
- Transmission of hormonal stimulation by cell-to-cell communication. Lawrence TS, et al. *Nature* 272(5653):501-6, 6 Apr 78
- Rat oocyte maturation in vitro: relief of cyclic AMP inhibition by gonadotrophins. Dekel N, et al. *Proc Natl Acad Sci USA* 75(9):4369-73, Sep 78
- Prostaglandin I<sub>2</sub> stimulation of granulosa cell cyclic AMP production. Goff AK, et al. *Prostaglandins* 15(5):875-9, May 78
- [Mechanism of action of gonadotropic hormones. V. Research on gametokinetic activity in the testis of amphibians in vitro: importance of the electrolyte composition of the incubation fluid] Pecora P, et al. *Boll Soc Ital Biol Sper* 54(8):695-700, 30 Apr 78 (Ita)

## PHYSIOLOGY

- Fertility regulation in the male. de Kretser DM. *Bull WHO* 56(3):353-60, 1978
- Relation of the hypothalamo-pituitary-gonadal system to decline of reproductive functions in aging female rats. Meites J, et al. *Curr Top Mol Endocrinol* 3:3-20, 1976 (29 ref.)

## SECRETION

- Response of acromegaly to long term bromocriptine therapy: a biochemical and clinical assessment. Clayton RN, et al. *Acta Endocrinol (Copenh)* 89(3):469-82, Nov 78
- The effect of LH-RH infusion on serum LH, FSH and testosterone in boys with advanced puberty, delayed puberty and hypogonadotrophic hypogonadism. de Lange WE, et al. *Acta Endocrinol (Copenh)* 89(2):209-16, Oct 78
- Pituitary and ovarian hormonal response to 48 h gonadotrophin releasing hormone (GnRH) infusions in female Rhesus monkeys. Ferin M, et al. *Acta Endocrinol (Copenh)* 89(1) Sep 78
- Action of testosterone propionate on the gonadotrophic function of the pituitary gland in the cyclic female rat. Hassani M, et al. *Acta Endocrinol (Copenh)* 89(3):551-6, Nov 78
- Effect of norepinephrine synthesis inhibitors and a dopamine agonist on hypothalamic LH-RH serum gonadotrophin and prolactin levels in gonadal steroid treated rats. Kalra SP, et al. *Acta Endocrinol (Copenh)* 89(1):1-9, Sep 78
- Effects of two substituted benzamides, tiapride and sultopride, on gonadotrophins and prolactin. L'Hermite M, et al. *Acta Endocrinol (Copenh)* 89(1):29-37, Sep 78
- Neuroendocrine consequences of chemical adenolectomy. Jacoby JH, et al. *Ann NY Acad Sci* 305:387-98, 12 Jun 78 (123 ref.)
- Control of anterior pituitary function. Locke W. *Arch Intern Med* 138(10):1541-5, Oct 78
- Effects of estradiol on serum and pituitary gonadotropin concentrations during selective elevation of follicle stimulating hormone. Chappel SC, et al. *Biol Reprod* 19(1):159-66, Aug 78
- The relative contribution of suckling and prolactin to the inhibition of gonadotropin secretion during lactation in the rat. Smith MS. *Biol Reprod* 19(1):77-83, Aug 78
- Cyclic gonadotropin release in the presence and absence of estrogenic feedback in ovariectomized golden hamsters. Stetson MH, et al. *Biol Reprod* 19(1):40-50, Aug 78
- In vivo methods for studying the action of hypothalamic hormones with special reference to their antisera as tools for investigation. Arimura A. *Curr Top Mol Endocrinol* 3:387-96, 1976 (25 ref.)
- Adrenergic and cholinergic inputs to the amygdala: role in gonadotropin secretion. Borrell J, et al. *Curr Top Mol Endocrinol* 3:37-50, 1976
- Suppression of gonadotropin release and ovulation in animals by inhibitory analogs of luteinizing hormone-releasing hormone. Coy DH, et al. *Curr Top Mol Endocrinol* 3:339-54,



## FSH

- 1976 (22 ref.)  
 Role of sex steroids on LH and FSH secretion in the rat.  
 Ferland L, et al. *Curr Top Mol Endocrinol* 3:191-209, 1976 (35 ref.)  
 Neurotransmitters and control of pituitary function. Kordon C, et al. *Curr Top Mol Endocrinol* 3:51-61, 1976  
 Role of prostaglandins (PGs) in the control of adenohipophyseal hormone secretion. McCann SM, et al. *Curr Top Mol Endocrinol* 3:21-35, 1976 (36 ref.)  
 Inhibin from cultures of rat seminiferous tubules. Eddie LW, et al. *J Endocrinol* 78(2):217-24, Aug 78  
 Effect of active immunization against oestrogens on plasma gonadotrophins in the ewe and the response to synthetic oestrogen or LH. Pant HC, et al. *J Reprod Fertil* 53(2):241-8, Jul 78  
 Hypophysial responses to continuous and intermittent delivery of hypophyseal gonadotropin-releasing hormone. Belchetz PE, et al. *Science* 202(4368):631-3, 10 Nov 78  
 [LH and FSH hypophyseal reserve after stimulation with synthetic LHRH. V. Adrenal and thyroidal pathology, lipodystrophy and hemochromatosis] Villar Ortiz J, et al. *Rev Clin Esp* 149(3):223-8, 15 May 78 (Eng. Abstr.)(Spa)

## URINE

- Ovarian biopsy in the evaluation of amenorrhea. Karam K, et al. *Acta Obstet Gynecol Scand* 57(4):361-11, 1978  
 [Effectiveness of electroanalgesia in treating neuroendocrine syndromes in gynecology] Kornienko EA, et al. *Akush Ginekol (Mosk)* (8):35-9, Aug 78 (Rus)

## GONADOTROPINS

- Structure of the Adenohipophysis in parturient female and neonate harp seals, *Pagophilus groenlandicus*. Leatherland JF, et al. *Cell Tissue Res* 192(2):341-57, 5 Sep 78  
 Subcellular localization of gonadotropins and testosterone in the developing fetal rat testis. Childs GV, et al. *J Histochem Cytochem* 26(7):545-64, Jul 78  
 Interaction of gonadotropin subunits: thermodynamic linkage of proton ionization to subunit association. Bishop WH. *J Mol Biol* 122(3):379-81, 5 Jul 78

## BLOOD

- Effect of intraventricular injection of 5,7-dihydroxytryptamine on serum gonadotropins and prolactin. Wuttke W, et al. *Ann NY Acad Sci* 305:423-36, 12 Jun 78  
 Annual gonadal cycles in teleosts: environmental factors and gonadotropin levels in blood. pp. 20-5. Peter RE, et al.  
 In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 [Testosterone, FSH and LH level in the serum of patients with prostatic neoplasms, treated with female hormones] Weidner W, et al. *Helv Chir Acta* 45(3):287-90, Jul 78 (Eng. Abstr.) (Ger)  
 [State of the hypothalamo-hypophyseal-ovarian system in women after physiological labor] Miasnikova GP, et al. *Akush Ginekol (Mosk)* (8):17-20, Aug 78 (Eng. Abstr.) (Rus)

## PHYSIOLOGY

- [New acquisitions on the hormonal regulation of the menstrual cycle] Kyank H, et al. *Z Aertzl Fortbild (Jena)* 72(15):710-9, 1 Aug 78 (Ger)

## SECRETION

- [Circadian rhythms in man. Their incidence in endocrinology (author's transl)] Mainard F, et al. *Pathol Biol (Paris)* 26(5):255-64, May-Jun 78 (93 ref.) (Eng. Abstr.) (Fre)  
 [Secondary amenorrhea after hormonal contraceptives] Lauritzen C. *Med Klin* 73(39):1343-50, 29 Sep 78 (52 ref.) (Ger)

## THERAPEUTIC USE

- Treatment of testicular hypofunction with gonadotrophic hormones. Lábady F. *Int Urol Nephrol* 10(2):125-30, 1978

## URINE

- [Diagnostic value of particular symptoms in monosomy X. Evaluated on the basis of experiences with 34 own cases (author's transl)] Némethová V, et al.

## PITUITARY

- Monatsschr Kinderheilkd* 126(10):616-21, Oct 78 (Eng. Abstr.) (Ger)  
 [Steroid balance in patients with breast hyperplasia] Samundzhan EM, et al. *Vopr Onkol* 24(8):83-7, 1978 (Eng. Abstr.) (Rus)

## GONADOTROPINS, PITUITARY

- [The neurohormones] Milcu SM. *Endocrinologie* 16(3):235-6, Jul-Sep 78 (Fre)

## BIOSYNTHESIS

- [Transmission of light through the skull in rats of both sexes] Viggiani E, et al. *Boll Soc Ital Biol Sper* 54(7):665-9, 15 Apr 78 (Ita)

## BLOOD

- Diagnosis of Sheehan's syndrome using a sequential pituitary stimulation test. DiZerega G, et al.  
*Am J Obstet Gynecol* 132(4):348-53, 15 Oct 78  
 Daily assessment of ocular and hormonal variables throughout the menstrual cycle. Feldman F, et al. *Arch Ophthalmol* 96(10):1835-8, Oct 78  
 Hypothalamo-pituitary-testicular axis in men undergoing chronic intermittent hemodialysis. Kawamura J, et al.  
*Int J Artif Organs* 1(5):224-30, Sep 78  
 [Effect of body weight reduction on plasma gonadotrophins and testosterone levels in obese females] Kocijančič A, et al. *Jugosl Ginekol Opstet* 17(4):211-5, Jul-Aug 77 (Eng. Abstr.) (Ser)

## METABOLISM

- Endocrine function in a patient with asymmetrical acral hypertrophy and gigantism: a possible variant of the Kippel-Trenaunay syndrome. Mims RB.  
*J Natl Med Assoc* 70(2):125-8, Feb 78

## PHYSIOLOGY

- Analysis of the progression of meiosis in dispersed rat testicular cells by flow cytofluorometry. Libbus BL, et al. *Cell Tissue Kinet* 11(4):377-91, Jul 78  
 [Effect of rheumatism on hypophyseal gonadotropic function in adolescent girls] Kulikova LF. *Akush Ginekol (Mosk)* (8):30-3, Aug 78 (Eng. Abstr.) (Rus)  
 [Characteristics of the gonadotropic function of the hypothalamo-hypophyseal system in girls with certain forms of gonadal dysgenesis] Safaraliev AR.  
*Akush Ginekol (Mosk)* (8):27-30, Aug 78 (Rus)  
 [Gonadotropic function of the hypophysis in different forms of gonadal dysgenesis] Veinberg EG, et al.  
*Akush Ginekol (Mosk)* (8):20-4, Aug 78 (Eng. Abstr.) (Rus)

## SECRETION

- Control of anterior pituitary function. Locke W.  
*Arch Intern Med* 138(10):1541-5, Oct 78  
 Suppression of gonadotropin release and ovulation in animals by inhibitory analogs of luteinizing hormone-releasing hormone. Coy DH, et al. *Curr Top Mol Endocrinol* 3:339-54, 1976 (22 ref.)  
 Role of brain monoamines and histamine in regulation of anterior pituitary secretion. Weiner RI, et al.  
*Physiol Rev* 58(4):905-76, Oct 78 (509 ref.)  
 [Gonadal hormone production before puberty] Huhtaniemi I. *Duodecim* 94(10):625-32, 1978 (Fin)  
 [Clinical and diagnostic aspects in hormone inactive pituitary neoplasms] Ventz M, et al. *Z Aertzl Fortbild (Jena)* 72(15):703-7, 1 Aug 78 (Ger)  
 [Monoamines and their role in regulating the gonadotropic function of the pituitary in birds] Rudneva LM.  
*Fiziol Zh* 24(5):674-80, Sep-Oct 78 (Eng. Abstr.) (Rus)

## URINE

- Endocrine effects of cranial irradiation [letter] Popescu HI.  
*N Engl J Med* 299(14):776, 5 Oct 78

## LH

- Photocoupling of the subunits of ovine lutropin using a specific aryl azide derivative of the beta subunit. Burleigh

BD, et al. *J Biol Chem* 253(20):7179-85, 25 Oct 78  
Interaction of gonadotropin subunits: thermodynamic linkage of proton ionization to subunit association. Bishop WH. *J Mol Biol* 122(3):379-81, 5 Jul 78

## ANALYSIS

Studies on a human chorionic gonadotrophin-like material present in non-pregnant subjects. Robertson DM, et al. *Acta Endocrinol (Copenh)* 89(3):492-505, Nov 78  
Influence of the purity of the iodinated tracer on the specificity of the radioimmunoassay of human luteinizing hormone. Suganami H, et al. *Acta Endocrinol (Copenh)* 89(3):506-20, Nov 78  
Discrimination of LH, FSH, TSH and ACTH in dissociated porcine anterior pituitary cells by light and electron microscope immunocytochemistry. Batten TF, et al. *Cell Tissue Res* 192(1):107-20, 25 Aug 78  
Impairment of the hypothalamo-pituitary-ovarian axis of the athymic 'nude' mouse. Weinstein Y. *Mech Ageing Dev* 8(1):63-8, Jul 78  
[Secondary amenorrhea after hormonal contraceptives] Lauritzen C. *Med Klin* 73(39):1343-50, 29 Sep 78 (52 ref.) (Ger)

## BIOSYNTHESIS

Sex difference in LH response to LHRH and DBcAMP and effect of testosterone. Tang LK. *Am J Physiol* 235(3):E291-4, Sep 78  
Circadian variation of pituitary LH and FSH in the pinealectomized rat. Damian E, et al. *Endocrinology* 16(3):205-7, Jul-Sep 78

## BLOOD

Absence of inhibition by hyperprolactinaemia on ovarian response to exogenous gonadotrophin. Aono T, et al. *Acta Endocrinol (Copenh)* 89(1):142-8, Sep 78  
Limited significance of the LHRH test in the diagnosis of ovarian dysfunction. Böhm P, et al. *Acta Endocrinol (Copenh)* 89(3):438-44, Nov 78  
The effect of LH-RH infusion on serum LH, FSH and testosterone in boys with advanced puberty, delayed puberty and hypogonadotropic hypogonadism. de Lange WE, et al. *Acta Endocrinol (Copenh)* 89(2):209-16, Oct 78  
Pituitary and ovarian hormonal response to 48 h gonadotrophin releasing hormone (GnRH) infusions in female Rhesus monkeys. Ferin M, et al. *Acta Endocrinol (Copenh)* 89(1) Sep 78  
Adrenal involvement in the timing of puberty in female rats: interaction with serum prolactin levels. Gelato MC, et al. *Acta Endocrinol (Copenh)* 89(3):590-8, Nov 78  
Action of testosterone propionate on the gonadotrophic function of the pituitary gland in the cyclic female rat. Hassani M, et al. *Acta Endocrinol (Copenh)* 89(3):551-6, Nov 78  
Effect of norepinephrine synthesis inhibitors and a dopamine agonist on hypothalamic LH-RH serum gonadotrophin and prolactin levels in gonadal steroid treated rats. Kalra SP, et al. *Acta Endocrinol (Copenh)* 89(1):1-9, Sep 78  
Time-dependent decrease of pituitary response to LH-RH after chronic treatment of intact female rats with ethinyloestradiol and norethindrone. Kuhl H, et al. *Acta Endocrinol (Copenh)* 89(2):240-50, Oct 78  
A heterologous radioimmunoassay for avian prolactin: application to the measurement of prolactin in the turkey. McNeilly AS, et al. *Acta Endocrinol (Copenh)* 89(1):60-9, Sep 78  
In vitro and in vivo studies on Leydig cell function in old rats. Pirke KM, et al. *Acta Endocrinol (Copenh)* 89(2):393-403, Oct 78  
Oestrogen induced Leydig cell refractoriness to gonadotrophin stimulation. Saez JM, et al. *Acta Endocrinol (Copenh)* 89(2):379-92, Oct 78  
Effect of glucocorticoids on plasma testosterone in men. Schaison G, et al. *Acta Endocrinol (Copenh)* 89(1):126-31, Sep 78  
Studies on sexual differentiation of sheep. I. Foetal and maternal modifications and post-natal plasma LH and testosterone content following androgenisation early in gestation. Wilson PR, et al. *Acta Endocrinol (Copenh)* 89(1):182-9, Sep 78  
Studies of sexual differentiation of sheep. II. Evidence for post-natal hypothalamic hypophysiotrophic depression of basal LH secretion following pre-natal androgenisation. Wilson PR, et al. *Acta Endocrinol (Copenh)* 89(1):190-5, Sep 78  
Ovarian biopsy in the evaluation of amenorrhea. Karam K, et al. *Acta Obstet Gynecol Scand* 57(4):361-11, 1978

Influence of oral contraceptives on immediate postabortal pituitary-ovarian function. Lähtenmäki P. *Acta Obstet Gynecol Scand Suppl* 76:1-43, 1978  
Ovarian follicular apparatus and hormonal parameters in patients with primary and secondary amenorrhea. Nakano R, et al. *Acta Obstet Gynecol Scand* 57(4):293-300, 1978  
Plasma testosterone in bulls. Seasonal variation. Sundby A, et al. *Acta Vet Scand* 19(2):263-8, 1978  
Vaginal blood flow during the menstrual cycle. Abrams RM, et al. *Am J Obstet Gynecol* 132(4):396-400, 15 Oct 78  
Production and origin of estrogen in two true hermaphrodites. Aiman J, et al. *Am J Obstet Gynecol* 132(4):401-9, 15 Oct 78  
Analysis of secretory patterns of prolactin and gonadotropins during twenty-four hours in a lactating woman before and after resumption of menses. Madden JD, et al. *Am J Obstet Gynecol* 132(4):436-41, 15 Oct 78  
Effect of premenopausal castration and incremental dosages of conjugated equine estrogens on plasma follicle-stimulating hormone, luteinizing hormone, and estradiol. Utian WH, et al. *Am J Obstet Gynecol* 132(3):297-302, 1 Oct 78  
The integrated gonadotrophin test. Santner SJ, et al. *Ann Intern Med* 89(4):512-3, Oct 78  
Deranged anterior pituitary responsiveness to hypothalamic hormones in depressed patients. Brambilla F, et al. *Arch Gen Psychiatry* 35(10):1231-8, Oct 78  
Daily assessment of ocular and hormonal variables throughout the menstrual cycle. Feldman F, et al. *Arch Ophthalmol* 96(10):1835-8, Oct 78  
Testicular damage due to cytotoxic drugs and recovery after cessation of therapy. Roeser HP, et al. *Aust NZ J Med* 8(3):250-4, Jun 78  
Effects of estradiol on serum and pituitary gonadotropin concentrations during selective elevation of follicle stimulating hormone. Chappel SC, et al. *Biol Reprod* 19(1):159-66, Aug 78  
Luteinizing hormone regulation in the monkey (*Macaca nemestrina*): failure of testosterone and dihydrotestosterone to block the estrogen-induced gonadotropin surge. Steiner RA, et al. *Biol Reprod* 19(1):51-6, Aug 78  
Diffusion of [<sup>3</sup>H] testosterone from hypothalamic microimplants in castrated male gerbils: correlation with acute changes in plasma LH. Turner JW Jr. *Biol Reprod* 19(1):194-201, Aug 78  
Induction of ovulation with clomiphene and human chorionic gonadotrophin in women with hyperprolactinaemic amenorrhoea. McGarrigle HH, et al. *Br J Obstet Gynaecol* 85(9):692-7, Sep 78  
Hyena disease in cattle: lutropin, oestradiol-17 beta, testosterone, progesterone and 17-hydroxyprogesterone peripheral plasma concentrations. Thibier M, et al. *Br Vet J* 134(5):462-8, Sep-Oct 78  
Effects of estrogen and progesterone on plasma gonadotropins and on catecholamine levels and turnover in discrete brain regions of ovariectomized rats. Crowley WR, et al. *Brain Res* 154(2):345-57, 13 Oct 78  
Changes in the distribution of non-neuronal elements in rat median eminence and in anterior pituitary hormone secretion after activation of tuberoinfundibular dopamine neurones by brain stimulation or nicotine. Lichtensteiger W, et al. *Brain Res* 157(1):73-88, 17 Nov 78  
Midbrain raphe mediation of the narcotic blockade of ovulation. Maughan GT, et al. *Brain Res* 155(2):413-7, 27 Oct 78  
Effects of acute administration of monosodium-L-glutamate (MSG), atropine or haloperidol on anterior pituitary hormone secretion in the rat. Nemeroff CB, et al. *Brain Res* 156(1):198-201, 3 Nov 78  
The effects of intraventricular injection of gamma-aminobutyric acid (GABA) on prolactin and gonadotropin release in conscious female rats. Vijayan E, et al. *Brain Res* 155(1):35-43, 20 Oct 78  
Plasma hormone profiles of young women at risk for familial breast cancer. Fishman J, et al. *Cancer Res* 38(11 Pt 2):4006-11, Nov 78  
Immunofluorescence study of the hypothalamo-infundibular LRH tract and serum gonadotropin levels in the female squirrel monkey during the estrous cycle. Barry J, et al. *Cell Tissue Res* 192(2):215-26, 5 Sep 78  
Ultrastructure of rat pituitary LH gonadotrophs in relation to serum and pituitary LH levels following repeated LH-RH stimulation. Römmler A, et al. *Cell Tissue Res* 190(1):135-49, 26 Jun 78  
Synthesis and biological activity of alpha-azapeptides: alpha-aza-analogues of luteinizing hormone releasing hormone. Dutta AS, et al. *Clin Endocrinol (Oxf)* 5 Suppl:291S-298S, 1976  
Inhibitory activity of analogues of luteinizing hormone-releasing hormone (LH-RH) in vitro and in vivo.



- Ferland L, et al. *Clin Endocrinol (Oxf)* 5 Suppl:279S-289S, 1976
- The disappearance of HCG and return of pituitary function after abortion. Läähtenmäki P. *Clin Endocrinol (Oxf)* 9(2):101-12, Aug 78
- Gonadotrophin, thyrotrophin and prolactin reserve in beta thalassaemia. Landau H, et al. *Clin Endocrinol (Oxf)* 9(2):163-73, Aug 78
- Pharmacology of hypothalamic regulatory peptides. Vale W, et al. *Clin Endocrinol (Oxf)* 5 Suppl:261S-273S, 1976 (41 ref.)
- Gynecomastia induced in normal males by spironolactone. Huffman DH, et al. *Clin Pharmacol Ther* 24(4):465-73, Oct 78
- Effect of LH-RH peptide antagonist on serum LH, ovulation and menstrual cycle of crab-eating macaque. Corbin A, et al. *Contraception* 18(2):105-20, Aug 78
- Suppression of gonadotropin release and ovulation in animals by inhibitory analogs of luteinizing hormone-releasing hormone. Coy DH, et al. *Curr Top Mol Endocrinol* 3:339-54, 1976 (22 ref.)
- Therapeutic use of luteinizing hormone-releasing hormone in the human female. Nillius SJ. *Curr Top Mol Endocrinol* 3:93-112, 1976
- Studies on the diagnostic use of LH-RH. Rochefort JG, et al. *Curr Top Mol Endocrinol* 3:65-72, 1976
- Diagnostic and therapeutic use of LH-RH in the infertile man. Schwarstein L. *Curr Top Mol Endocrinol* 3:73-91, 1976
- Age difference in the response to synthetic luteinizing hormone-releasing hormone (LHRH) in androgenized rats with special reference to the dose of testosterone propionate for androgenization. Fujii T, et al. *Endocrinol Jpn* 25(3):281-7, Jun 78
- Changes of serum and pituitary TSH, LH and FSH concentrations following the slow infusion of TRH and LRH. Soji T. *Endocrinol Jpn* 25(3):231-6, Jun 78
- Changes in serum 17alpha-hydroxyprogesterone levels during periovulatory phase in women. Uemura T, et al. *Endocrinol Jpn* 25(3):295-8, Jun 78
- Influence of hormonal contraceptives on the pituitary response to LH/FSH-releasing hormone. Carol W, et al. *Endokrinologie* 71(3):277-85, Mar 78
- Studies on the time and localization of the puberal desensitization to oestrogen in female rats. Döcke F, et al. *Endokrinologie* 71(3):257-65, Mar 78
- Annual endocrine cycles and environment in birds with special reference to male ducks. pp. 52-60. Assenmacher I, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (33 ref.)
- Central neural control of endocrine rhythms in the rat. pp. 153-62. Kalra SP, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Circadian pattern of secretion of hormones by the anterior pituitary gland with particular reference to the involvement of serotonin in their rhythmic regulation. pp. 163-71. Kordon C, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Endocrine concomitants of the sleep-wake rhythm in man. pp. 124-31. Quabbe HJ.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (34 ref.)
- Annual endocrine rhythms in healthy young adult men: their implication in human biology and medicine. pp. 113-21. Reinberg A, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- LH levels of anoestrous Gir cows & their reproductive performance. Kodagali SB, et al. *Indian J Exp Biol* 16(7):800-1, Jul 78
- Hypothalamo-pituitary-testicular axis in men undergoing chronic intermittent hemodialysis. Kawamura J, et al. *Int J Artif Organs* 1(5):224-30, Sep 78
- Mesterolone treatment of patients with pathospermia. Szöllösi J, et al. *Int Urol Nephrol* 10(3):251-6, 1978
- Disappearance of LHRH and D-Leu-des Gly NH<sub>2</sub> LHRH ethylamide in ewes. Dias JA, et al. *J Anim Sci* 46(6):1707-11, Jun 78
- Bovine ovarian and pituitary responses to PMS and GnRH administered during metestrus. Ford SP, et al. *J Anim Sci* 46(6):1701-6, Jun 78
- Transitory changes of hormones in plasma of postpartum dairy cows. Goodale WS, et al. *J Dairy Sci* 61(6):740-6, Jun 78
- Control of luteinizing hormone release in prepubertal female rats: evidence for an enhanced ability of the hypothalamus to release luteinizing hormone releasing hormone as the pituitary responsiveness to luteinizing hormone releasing hormone declines. Andrews WW, et al. *J Endocrinol* 78(2):281-2, Aug 78
- Rate of testicular maturation, in relation to gonadotrophin and testosterone levels, in quail exposed to various artificial photoperiods and to natural daylengths. Follett BK, et al. *J Endocrinol* 78(2):267-80, Aug 78
- The role of corticosterone in the ovulatory cycle of the hen. Sharp PJ, et al. *J Endocrinol* 78(2):195-200, Aug 78
- Progesterone-induced decrease of pineal protein synthesis in rats. Possible participation in estrous-related changes of pineal function. Cardinali DP, et al. *J Neural Transm* 42(3):193-205, 1978
- Changes in serum testosterone concentrations in the male pig during development. Colenbrander B, et al.
- J Reprod Fertil* 53(2):377-80, Jul 78
- Effect of active immunization against oestrogens on plasma gonadotrophins in the ewe and the response to synthetic oestrogen or LH. Pant HC, et al. *J Reprod Fertil* 53(2):241-8, Jul 78
- Peripheral and ovarian vein plasma levels of 20alpha-dihydroprogesterone in women with normal menstrual cycles. Lucisano A, et al. *J Steroid Biochem* 9(7):643-8, Jul 78
- Leydig cell function in oligospermic men with varicocele. Weiss DB, et al. *J Urol* 120(4):427-30, Oct 78
- Impairment of the hypothalamo-pituitary-ovarian axis of the athymic 'nude' mouse. Weinstein Y. *Mech Ageing Dev* 8(1):63-8, Jul 78
- Prolactin-screening tumors and hypogonadism in 22 men. Carter JN, et al. *N Engl J Med* 299(16):847-52, 19 Oct 78
- Acute elevations of serum luteinizing hormone induced by kainic acid, N-methyl aspartic acid or homocysteic acid. Price MT, et al. *Neuroendocrinology* 26(6):352-8, 1978
- Hypothalamus-pituitary function in amenorrhea-galactorrhea syndrome. Delitala G, et al. *Panminerva Med* 20(2):89-96, Apr-Jun 78
- The influence of chronic long term alcohol abuse on testosterone secretion in men and rats. Lox CD, et al. *Proc West Pharmacol Soc* 21:299-302, 1978
- Effect of prostaglandin F<sub>2</sub>alpha on ovarian and pituitary function in the mid-luteal phase. Kajanoja P, et al. *Prostaglandins* 16(2):327-32, Aug 78
- Serum hormone levels in benign prostatic hyperplasia. Sköldefors H, et al. *Scand J Urol Nephrol* 12(2):111-4, 1978
- Evidence for induction of germinal aplasia in male rats by environmental exposure to boron. Lee IP, et al. *Toxicol Appl Pharmacol* 45(2):577-90, Aug 78
- Testosterone metabolism in patients with advanced carcinoma of the prostate: a comparative in vivo study of the effects of oestrogen and antiprolactin. Jacobi GH, et al. *Urol Res* 6(3):159-65, 1 Sep 78
- A study of the capacity for regeneration of rat and human Leydig cells. Senge T, et al. *Urol Res* 6(3):167-71, 1 Sep 78
- Prostatic carcinoma: plasma kinetics and intraprostatic metabolism of testosterone in low-dose estrogen-treated patients in vivo. Jacobi GH, et al. *Urology* 12(3):359-64, Sep 78
- [Effects of testosterone propionate on LH and testosterone concentrations before and after the injection of gonadoliberein in young bulls pre-treated with dexamethasone] Thibier M, et al. *C R Acad Sci [D] (Paris)* 286(24):1803-6, 19 Jun 78 (Eng. Abstr.) (Fre)
- [Relation between the results of LHRH tests and ovarian biopsies in dystrophic syndromes and Stein-Leventhal syndromes] Bruhat MA, et al. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):738-43, Apr 78 (Fre)
- [Regulation of the adenohypophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. IV. Somatostatin and somatotropin releasing hormones] Blech W. *Endokrinologie* 72(1):77-118, Apr 78 (240 ref.) (Ger)
- [Testosterone, FSH and LH level in the serum of patients with prostatic neoplasms, treated with female hormones] Weidner W, et al. *Helv Chir Acta* 45(3):287-90, Jul 78 (Eng. Abstr.) (Ger)
- [Criteria of interpretation of the LH-RH test. Preliminary investigation in the study of amenorrhea in the course of diabetes mellitus] Wierdis T, et al. *Minerva Ginecol* 30(9):695-706, Sep 78 (Ita)
- [Endocrine abnormalities in systemic muscle cramp] Takeuchi A, et al. *Horumon To Rinsho* 26(1):45-50, Jan 78 (Jpn)
- [Regulatory mechanism of gonadotropin secretion (3). Negative feedback and biphasic effect of estrogens on gonadotropin] Tamada T, et al. *Horumon To Rinsho* 26(1):57-66, Jan 78 (Jpn)
- [Effects of ether-nitrous oxide anesthesia and surgery on



- plasma concentrations of testosterone and luteinizing hormone in man (author's transl)] Maeda A, et al. *Masui* 27(7):727-33, Jul 78 (Eng. Abstr.) (Jpn)
- [Idiopathic varicocele. Report 1. Testicular function (author's transl)] Okuyama A, et al. *Nippon Hinyokika Gakkai Zasshi* 69(6):787-93, Jun 78 (Eng. Abstr.) (Jpn)
- [Studies of endocrinological function of testis. Report 4. Cryptorchidism after surgical therapy (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):700-11, Jun 78 (Eng. Abstr.) (Jpn)
- [Studies of endocrinological function of testis. Report 5. Follow-up of delayed puberty (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):712-7, Jun 78 (Eng. Abstr.) (Jpn)
- [Studies of endocrinological function of testis. Report 3. Hypogonadism of adult (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):693-9, Jun 78 (Eng. Abstr.) (Jpn)
- [Studies of endocrinological function of testis. Report 2: Delayed puberty (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):686-92, Jun 78 (Eng. Abstr.) (Jpn)
- [Effects of postovulatory synthetic corticosteroid administration on ovarian function in women (author's transl)] Koyama T, et al. *Nippon Naibunpi Gakkai Zasshi* 54(5):648-53, 20 May 78 (Eng. Abstr.) (Jpn)
- [Effect of dexamethasone on blood level of FSH and LH in patients with hirsutism and patients with Stein-Leventhal syndrome] Zieleniewski J, et al. *Endokrynol Pol* 29(4):305-11, Jul-Aug 78 (Eng. Abstr.) (Pol)
- [Characteristics of the gonadotropic function of the hypothalamo-hypophyseal system in girls with certain forms of gonadal dysgenesis] Safaraliev A. *Akush Ginekol (Mosk)* (8):27-30, Aug 78 (Rus)
- [Gonadotropic function of the hypophysis in different forms of gonadal dysgenesis] Veinberg EG, et al. *Akush Ginekol (Mosk)* (8):20-4, Aug 78 (Eng. Abstr.) (Rus)
- [Effect of body weight reduction on plasma gonadotropins and testosterone levels in obese females] Kocijančič A, et al. *Jugosl Ginekol Opstet* 17(4):211-5, Jul-Aug 77 (Eng. Abstr.) (Scr)
- [Comparative study of 2 different radioimmunoassays in the evaluation of plasma LH and FSH: I. Methods of double antibody (NIH) II. Serono's commercial kits] Fernández-Durango R, et al. *Rev Clin Esp* 150(1-2):25-30, Jul 78 (Eng. Abstr.) (Spa)

## CHEMICAL SYNTHESIS

- [Obtaining iodinated luteinizing hormone while preserving its biological properties] Dobracheva AD, et al. *Probl Endokrinol (Mosk)* 24(5):44-8, Sep-Oct 78 (Eng. Abstr.) (Rus)

## IMMUNOLOGY

- On the relative biological and immunoreactive potencies of luteinizing hormone in the oestradiol benzoate-treated male rat. Grotjan HE Jr, et al. *Acta Endocrinol (Copenh)* 89(3):538-50, Nov 78
- Sex difference in LH response to LHRH and DBcAMP and effect of testosterone. Tang LK. *Am J Physiol* 235(3):E291-4, Sep 78

## ISOLATION &amp; PURIFICATION

- Influence of the purity of the iodinated tracer on the specificity of the radioimmunoassay of human luteinizing hormone. Suginami H, et al. *Acta Endocrinol (Copenh)* 89(3):506-20, Nov 78

## METABOLISM

- On the relative biological and immunoreactive potencies of luteinizing hormone in the oestradiol benzoate-treated male rat. Grotjan HE Jr, et al. *Acta Endocrinol (Copenh)* 89(3):538-50, Nov 78
- Effects of serotonin neurotoxins on pituitary hormone release. Clemens JA. *Ann NY Acad Sci* 305:399-410, 12 Jun 78
- Ultrastructure of rat pituitary LH gonadotrophs in relation to serum and pituitary LH levels following repeated LH-RH stimulation. Römmel A, et al. *Cell Tissue Res* 190(1):135-49, 26 Jun 78
- Synthesis and biological activity of alpha-azapeptides: alpha-aza-analogues of luteinizing hormone releasing hormone. Dutta AS, et al. *Clin Endocrinol (Oxf)* 5 Suppl:291S-298S, 1976

- Changes of serum and pituitary TSH, LH and FSH concentrations following the slow infusion of TRH and LRH. Soji T. *Endocrinol Jpn* 25(3):231-6, Jun 78
- Neuroendocrine aspects of reproduction in experimental malnutrition. pp. 306-12. Srebnik HH, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (27 ref.)
- Selective cleavage of peptide bonds by a serine protease from the muscle layer of rat small intestine. Kobayashi K, et al. *J Biochem (Tokyo)* 84(1):65-74, Jul 78
- Anti-LH and FSH activity of melatonin-free pineal extract. Damian E, et al. *Neuroendocrinology* 26(6):325-32, 1978
- Responses to intensive training and methandrostenolone administration: II. Hormonal, organ weights, muscle weights and body composition. Stone MH, et al. *Pfluegers Arch* 375(2):147-51, 18 Jul 78
- Direct and pituitary-mediated effects of delta9-THC and cannabinal on the testis. Dalterio S, et al. *Pharmacol Biochem Behav* 8(6):673-8, Jun 78
- Site of action of oestrogens in controlling the release of LH and FSH in the rhesus monkey. *Res Reprod* 10(4):4, Jul 78
- [Specific features of hormonal balance in patients with myoma of the uterus] Arakelians AB, et al. *Sov Med* (8):140-4, Aug 78 (Rus)

## PHARMACODYNAMICS

- Cyclic AMP and cyclic GMP accumulation by isolated hamster granulosa cells stimulated by LH and FSH. Makris A, et al. *Acta Endocrinol (Copenh)* 89(1):173-81, Sep 78
- Ovarian biopsy in the evaluation of amenorrhea. Karam K, et al. *Acta Obstet Gynecol Scand* 57(4):361-11, 1978
- The influence of scrotal warming on testicular blood flow and endocrine function in the rat. Damber JE, et al. *Acta Physiol Scand* 104(1):61-7, Sep 78
- Prostaglandin stimulation of ovarian ornithine decarboxylase in vitro. Osterman J, et al. *Biochem Biophys Res Commun* 83(3):794-9, 14 Aug 78
- Cholesteryl ester depletion from the ovaries of superovulated female rats fed a normal or essential fatty acid deficient diet. Young AK, et al. *Can J Physiol Pharmacol* 56(4):585-90, Aug 78
- Ovarian plasminogen activator: relationship to ovulation and hormonal regulation. Beers WH, et al. *Cell* 6(3):387-94, Nov 75
- The effects of vertebrate gonadotrophins on androgen release in vitro from testicular cells of Japanese quail and a comparison with their radioimmunoassay activities. Jenkins N, et al. *Gen Comp Endocrinol* 35(3):309-21, Jul 78
- In vivo responses of female snakes (*Natrix fasciata*) and female turtles (*Chrysemys picta*) to ovine gonadotropins (FSH and LH) as measured by plasma progesterone, testosterone, and estradiol levels. Lance V, et al. *Gen Comp Endocrinol* 35(3):295-301, Jul 78
- Biological activity of hybrid combinations of ovine and sea turtle LH subunits. Licht P, et al. *Gen Comp Endocrinol* 35(3):289-94, Jul 78
- Circadian variations of ovarian ascorbic acid depletion in response to luteinising hormone in the rat. Grizard G, et al. *Int J Chronobiol* 5(4):533-44, 1978
- Mechanism of luteinizing hormone regulation of prostaglandin synthesis in rat granulosa cells. Clark MR, et al. *J Biol Chem* 253(21):7757-61, 10 Nov 78
- Effect of luteinizing hormone of the lipid composition of rat ovaries. Schuler LA, et al. *J Endocrinol* 78(2):233-8, Aug 78
- Effect of active immunization against oestrogens on plasma gonadotrophins in the ewe and the response to synthetic oestrogen or LH. Pant HC, et al. *J Reprod Fertil* 53(2):241-8, Jul 78
- On the activation of the corpus luteum of rat estrous cycle with phenobarbital anesthesia. II. Blockade by luteinizing hormone of phenobarbital-induced pseudopregnancy. Furudate S. *Kitasato Arch Exp Med* 50(1-2):47-56, Jun 77
- Rat oocyte maturation in vitro: relief of cyclic AMP inhibition by gonadotrophins. Dekel N, et al. *Proc Natl Acad Sci USA* 75(9):4369-73, Sep 78
- [Mechanism of action of gonadotropic hormones. V. Research on gametokinetic activity in the testis of amphibians in vitro: importance of the electrolyte composition of the incubation fluid] Pecora P, et al. *Boll Soc Ital Biol Sper* 54(8):695-700, 30 Apr 78 (Ita)
- [Mechanism involved in the basal body temperature—effects of sex hormones and gonadotropin on the temperature regulation system in rats] Kawakami M, et al. *Horumon To Rinsho* 26(6):603-9, Jun 78 (Jpn)

## PHYSIOLOGY

- Fertility regulation in the male. de Kretser DM.  
Bull WHO 56(3):353-60, 1978
- The role of estradiol in modulating LH and FSH response to gonadotropin releasing hormone. Jaffe RB, et al.  
Curr Top Mol Endocrinol 3:211-54, 1976
- Relation of the hypothalamo-pituitary-gonadal system to decline of reproductive functions in aging female rats. Meites J, et al. Curr Top Mol Endocrinol 3:3-20, 1976 (29 ref.)
- [Testosterone, its biosynthesis, transport and metabolism] Panaïotov D. Vutr Boles 17(4):15-21, 1978 (38 ref.) (Bul)

## SECRETION

- Limited significance of the LRH test in the diagnosis of ovarian dysfunction. Böhm P, et al.  
Acta Endocrinol (Copenh) 89(3):438-44, Nov 78
- Response of acromegaly to long term bromocriptine therapy: a biochemical and clinical assessment. Clayton RN, et al.  
Acta Endocrinol (Copenh) 89(3):469-82, Nov 78
- The effect of LH-RH infusion on serum LH, FSH and testosterone in boys with advanced puberty, delayed puberty and hypogonadotrophic hypogonadism. de Lange WE, et al. Acta Endocrinol (Copenh) 89(2):209-16, Oct 78
- Pituitary and ovarian hormonal response to 48 h gonadotrophin releasing hormone (GnRH) infusions in female Rhesus monkeys. Ferin M, et al.  
Acta Endocrinol (Copenh) 89(1) Sep 78
- On the relative biological and immunoreactive potencies of luteinizing hormone in the oestradiol benzoate-treated male rat. Grotjan HE Jr, et al. Acta Endocrinol (Copenh) 89(3):538-50, Nov 78
- Action of testosterone propionate on the gonadotrophic function of the pituitary gland in the cyclic female rat. Hassani M, et al. Acta Endocrinol (Copenh) 89(3):551-6, Nov 78
- Effect of norepinephrine synthesis inhibitors and a dopamine agonist on hypothalamic LH-RH serum gonadotrophin and prolactin levels in gonadal steroid treated rats. Kalra SP, et al. Acta Endocrinol (Copenh) 89(1):1-9, Sep 78
- Time-dependent decrease of pituitary response to LH-RH after chronic treatment of intact female rats with ethinyloestradiol and norethindrone. Kuhl H, et al.  
Acta Endocrinol (Copenh) 89(2):240-50, Oct 78
- Effects of two substituted benzamides, tiapride and sultopride, on gonadotrophins and prolactin. L'Hermite M, et al.  
Acta Endocrinol (Copenh) 89(1):29-37, Sep 78
- Studies of sexual differentiation of sheep. II. Evidence for post-natal hypothalamic hypophysiotrophic depression of basal LH secretion following pre-natal androgenisation. Wilson PR, et al. Acta Endocrinol (Copenh) 89(1):190-5, Sep 78
- Neuroendocrine consequences of chemical indoelectomy. Jacoby JH, et al. Ann NY Acad Sci 305:387-98, 12 Jun 78 (123 ref.)
- Control of anterior pituitary function. Locke W.  
Arch Intern Med 138(10):1541-5, Oct 78
- The relative contribution of suckling and prolactin to the inhibition of gonadotropin secretion during lactation in the rat. Smith MS. Biol Reprod 19(1):77-83, Aug 78
- Cyclic gonadotropin release in the presence and absence of estrogenic feedback in ovariectomized golden hamsters. Stetson MH, et al. Biol Reprod 19(1):40-50, Aug 78
- Identification of the LH and TSH-secreting cells in the pituitary gland of the rhesus monkey. Herbert DC.  
Cell Tissue Res 190(1):151-61, 26 Jun 78
- Inhibitory activity of analogues of luteinizing hormone-releasing hormone (LH-RH) in vitro and in vivo. Ferland L, et al. Clin Endocrinol (Oxf) 5 Suppl:279S-289S, 1976
- In vivo methods for studying the action of hypothalamic hormones with special reference to their antisera as tools for investigation. Arimura A. Curr Top Mol Endocrinol 3:387-96, 1976 (25 ref.)
- Adrenergic and cholinergic inputs to the amygdala: role in gonadotropin secretion. Borrell J, et al.  
Curr Top Mol Endocrinol 3:37-50, 1976
- Suppression of gonadotropin release and ovulation in animals by inhibitory analogs of luteinizing hormone-releasing hormone. Coy DH, et al. Curr Top Mol Endocrinol 3:339-54, 1976 (22 ref.)
- Role of sex steroids on LH and FSH secretion in the rat. Ferland L, et al. Curr Top Mol Endocrinol 3:191-209, 1976 (35 ref.)
- Neurotransmitters and control of pituitary function. Kordon C, et al. Curr Top Mol Endocrinol 3:51-61, 1976
- Role of prostaglandins (PGs) in the control of adenohypophyseal hormone secretion. McCann SM, et al.

- Curr Top Mol Endocrinol 3:21-35, 1976 (36 ref.)
- Pituitary-ovarian relationships during the post-reproductive phase of inbred mice. Gosden RG, et al. Exp Gerontol 13(3-4):159-66, 1978
- Secretion of steroids after induced luteal regression in beef heifers: effects of PGF $\alpha$  and removal of corpora lutea. Fogwell RL, et al. J Anim Sci 46(6):1718-23, Jun 78
- Control of luteinizing hormone release in prepubertal female rats: evidence for an enhanced ability of the hypothalamus to release luteinizing hormone releasing hormone as the pituitary responsiveness to luteinizing hormone releasing hormone declines. Andrews WW, et al. J Endocrinol 78(2):281-2, Aug 78
- Inhibin from cultures of rat seminiferous tubules. Eddie LW, et al. J Endocrinol 78(2):217-24, Aug 78
- An inhibitory effect of melatonin on the luteinizing hormone releasing activity of luteinizing hormone releasing hormone in immature male dogs. Mieno M, et al. J Endocrinol 78(2):283-4, Aug 78
- Effects of RMI 12,936, a synthetic antiprogesterone steroid, on the oestrous cycle and ovulation in the rat. Kendle KE, et al. J Reprod Fertil 53(2):363-8, Jul 78
- Effect of active immunization against oestrogens on plasma gonadotrophins in the ewe and the response to synthetic oestrogen or LH. Pant HC, et al. J Reprod Fertil 53(2):241-8, Jul 78
- Sensitisation of pituitary cells to luteinising hormone releasing hormone by clomiphene citrate in vitro. Hsueh AJ, et al. Nature 273(5657):57-9, 4 May 78
- Hypophysial responses to continuous and intermittent delivery of hypothalamic gonadotropin-releasing hormone. Belchetz PE, et al. Science 202(4368):631-3, 10 Nov 78
- [Sex differences in brain functioning and effects related to them] Vunder PA. Usp Sovrem Biol 86(1):129-42, Jul-Aug 78 (104 ref.) (Rus)
- [LH and FSH hypophyseal reserve after stimulation with synthetic LHRH. V. Adrenal and thyroidal pathology, lipodystrophy and hemochromatosis] Villar Ortiz J, et al. Rev Clin Esp 149(3):223-8, 15 May 78 (Eng. Abstr.) (Spa)

## URINE

- [Effectiveness of electroanalgesia in treating neuroendocrine syndromes in gynecology] Kornienko EA, et al.  
Akush Ginekol (Mosk) 8(8):35-9, Aug 78 (Rus)
- [Simplified immunology for the diagnosis of pregnancy] Vázquez E, et al. Ginecol Obstet Mex 43(260):419-28, Jun 78 (Spa)

## LIPOTROPIN

- Structure-function relationships in lipotropins. Gráf L, et al. Ann NY Acad Sci 297:63-83, 28 Oct 77
- Amino-terminal extension analogs of methionine-enkephalin. Ling N, et al. Biochem Biophys Res Commun 83(2):565-70, 28 Jul 78

## BIOSYNTHESIS

- A betaLPH precursor model: recent developments concerning morphine-like substances. Chrétien M, et al.  
Ann NY Acad Sci 297:84-107, 28 Oct 77

## BLOOD

- beta-Endorphin is not detectable in plasma from normal human subjects. Suda T, et al. Science 202(4364):221-3, 13 Oct 78

## METABOLISM

- Structure-function relationships in lipotropins. Gráf L, et al. Ann NY Acad Sci 297:63-83, 28 Oct 77
- Evidence for two separate opiate peptide neuronal systems. Watson SJ, et al. Nature 275(5677):226-8, 21 Sep 78

## PHARMACODYNAMICS

- Behavioral effects of neuropeptides related to ACTH, MSH, and betaLPH. de Wied D. Ann NY Acad Sci 297:263-74, 28 Oct 77
- Structure-function relationships in lipotropins. Gráf L, et al. Ann NY Acad Sci 297:63-83, 28 Oct 77
- The endorphins, novel peptides of brain and hypophysial origin, with opiate-like activity: biochemical and biologic studies. Guillemin R, et al. Ann NY Acad Sci 297:131-57, 28 Oct 77



## LYPRESSIN

### ADMINISTRATION & DOSAGE

The effects of intra-arterial and intraportal injections of vasopressin on the simultaneously perfused hepatic arterial and portal venous vascular beds of the dog. Richardson PD, et al. *Circ Res* 43(4):496-503, Oct 78

### BLOOD

Plasma half-lives of vasopressin and oxytocin analogs after iv injection in rats. Gazis D. *Proc Soc Exp Biol Med* 158(4):663-5, Sep 78

### DIAGNOSTIC USE

[Hypoglycemia caused by isolated ACTH deficiency] Olsen S. *Ugeskr Laeger* 140(30):1816-7, 24 Jul 78 (Eng. Abstr.) (Dan)

### IMMUNOLOGY

Immunocytochemical evidence for vasopressin receptors. Castel M. *J Histochem Cytochem* 26(7):581-92, Jul 78

### PHARMACODYNAMICS

The effects of intra-arterial and intraportal injections of vasopressin on the simultaneously perfused hepatic arterial and portal venous vascular beds of the dog. Richardson PD, et al. *Circ Res* 43(4):496-503, Oct 78

Mouse brain tyrosine hydroxylase and glutamic acid decarboxylase following treatment with adrenocorticotrophic hormone, vasopressin or corticosterone. Dunn AJ, et al. *J Neurochem* 31(4):977-82, Oct 78

Mouse brain deoxyglucose uptake after footshock, ACTH analogs, alpha-MSH, corticosterone or lysine vasopressin. Delanoy RL, et al. *Pharmacol Biochem Behav* 9(1):21-6, Jul 78

TSH and ACTH secretion and cyclic adenosine 3'5' monophosphate content following stimulation with TRH or lysine vasopressin in vitro: suppression by thyroxine and dexamethasone. Rose JC, et al. *Proc Soc Exp Biol Med* 158(4):524-9, Sep 78

### THERAPEUTIC USE

[Therapeutic action of vasopressin in amnesic syndromes and their possible action in depression] Oliveros JC, et al. *Arch Neurobiol (Madr)* 41(1):63-74, Jan-Feb 78 (Eng. Abstr.) (Spa)

## MENOTROPINS

### ADMINISTRATION & DOSAGE

Clinical methods for the assessment of the sensitivity of the adenopituitary and ovary. Horsky J, et al. *Czech Med* 1(3):153-5, 1978

Treatment of testicular hypofunction with gonadotrophic hormones. Lábady F. *Int Urol Nephrol* 10(2):125-30, 1978

### DIAGNOSTIC USE

Absence of inhibition by hyperprolactinaemia on ovarian response to exogenous gonadotrophin. Aono T, et al. *Acta Endocrinol (Copenh)* 89(1):142-8, Sep 78

Ovarian follicular apparatus and hormonal parameters in patients with primary and secondary amenorrhea. Nakano R, et al. *Acta Obstet Gynecol Scand* 57(4):293-300, 1978

### PHARMACODYNAMICS

Therapeutic use of luteinizing hormone-releasing hormone in the human female. Nillius SJ. *Curr Top Mol Endocrinol* 3:93-112, 1976

### THERAPEUTIC USE

Treatment of testicular hypofunction with gonadotrophic hormones. Lábady F. *Int Urol Nephrol* 10(2):125-30, 1978  
[Study of 13 cases of ostensibly idiopathic male infertility treated successfully by HMG/HCG combination] Alexandre C. *Sem Hop Paris* 54(17-20):633-6, Jun 78 (Eng. Abstr.) (Fre)

## MSH

ACTH: a short introductory review. Schwyzer R. *Ann NY Acad Sci* 297:3-26, 28 Oct 77

### ADMINISTRATION & DOSAGE

[The analgesic activity of TRH and MSH] Cuenca E, et al. *Arch Pharmacol Toxicol* 4(1):71-6, Apr 78 (Spa)

### ANALYSIS

The cells of origin of ACTH in man. Halmi NS, et al. *Ann NY Acad Sci* 297:167-82, 28 Oct 77

Immunohistochemical localization of alpha-melanocyte stimulating hormone (alpha-MSH) in the human hypothalamus. Désy L, et al. *Brain Res* 154(2):377-81, 13 Oct 78

Sensitive new in vitro bioassay for melanocyte-stimulating activity using the skin of *Anolis carolinensis*. Carter RJ, et al. *J Invest Dermatol* 71(4):229-32, Oct 78

Demonstration of a temperature-dependent association of thyrotropin releasing hormone, alpha-melanocyte stimulating hormone, and luteinizing hormone releasing hormone with subneuronal particles in hypothalamic synaptosomes. Barnea A, et al. *J Neurochem* 31(5):1125-34, Nov 78

### BIOSYNTHESIS

A betaLPH precursor model: recent developments concerning morphine-like substances. Chrétien M, et al. *Ann NY Acad Sci* 297:84-107, 28 Oct 77

### BLOOD

[Melanocyte-stimulating hormone in women; activity in the urine and blood in pregnant women (author's transl)] Hradec J, et al. *Cas Lek Cesk* 117(27):832-5, 7 Jul 78 (Eng. Abstr.) (Cze)

[Physiological trials with MIF-I in Parkinson's disease (author's transl)] Gonce M, et al. *Rev Neurol (Paris)* 134(2):141-9, Feb 78 (Eng. Abstr.) (Fre)

### METABOLISM

Structure and biosynthesis of peptides related to corticotropins and beta-melanotropins. Lowry PJ, et al. *Ann NY Acad Sci* 297:49-62, 28 Oct 77

[Melanocyte-stimulating hormone in women; activity in the urine and blood in pregnant women (author's transl)] Hradec J, et al. *Cas Lek Cesk* 117(27):832-5, 7 Jul 78 (Eng. Abstr.) (Cze)

### PHARMACODYNAMICS

Behavioral effects of neuropeptides related to ACTH, MSH, and betaLPH. de Wied D. *Ann NY Acad Sci* 297:263-74, 28 Oct 77

Sensitive new in vitro bioassay for melanocyte-stimulating activity using the skin of *Anolis carolinensis*. Carter RJ, et al. *J Invest Dermatol* 71(4):229-32, Oct 78

Mouse brain deoxyglucose uptake after footshock, ACTH analogs, alpha-MSH, corticosterone or lysine vasopressin. Delanoy RL, et al. *Pharmacol Biochem Behav* 9(1):21-6, Jul 78

[The analgesic activity of TRH and MSH] Cuenca E, et al. *Arch Pharmacol Toxicol* 4(1):71-6, Apr 78 (Spa)

### PHYSIOLOGY

Hormone-receptor interactions. The message sequence of alpha-melanotropin: demonstration of two active sites. Eberle A, et al. *Clin Endocrinol (Oxf)* 5 Suppl:41S-48S, 1976  
Hormonal regulation of membrane receptors and cell responsiveness: a review. Tell GP, et al. *Metabolism* 27(10):1566-92, Oct 78

### SECRETION

Serotonin and MSH secretion: effect of parachlorophenylalanine on the pituitary cytology of the eel. Oliveureau M. *Cell Tissue Res* 191(1):83-92, 13 Jul 78  
Action potentials in rat and lizard pars intermedia cells: inhibition by dopamine and stimulation by 5-hydroxytryptamine, two suspected regulators of MSH secretion [proceedings] Douglas WW, et al. *J Physiol (Lond)* 280:13P, Jul 78



[Functioning tumors with special reference to ectopic hormone producing tumors (author's transl)] Imura H, et al. *Tanpakushitsu Kakusan Koso* 23(6):641-56, May 78 (67 ref.) (Jpn)

## URINE

[Melanocyte-stimulating hormone in women; activity in the urine and blood in pregnant women (author's transl)] Hradek J, et al. *Cas Lek Cesk* 117(27):832-5, 7 Jul 78 (Eng. Abstr.) (Cze)

## NEUROPHYSINS

## ANALYSIS

Projections from the parvocellular vasopressin- and neurophysin-containing neurons of the suprachiasmatic nucleus. Sofroniew MV, et al. *Am J Anat* 153(3):391-429, Nov 78

Vasopressin and corticotropin-releasing factor: an axonal pathway to portal capillaries in the zona externa of the median eminence containing vasopressin and its interaction with adrenal corticoids. Zimmerman EA, et al. *Ann NY Acad Sci* 297:405-19, 28 Oct 77

Immunohistochemical localization of hypothalamic hormones (especially LRF) at the light microscopy level. Barry J. *Curr Top Mol Endocrinol* 3:451-73, 1976 (118 ref.)

## METABOLISM

The hypothalamic magnocellular system of the rhesus monkey: an immunocytochemical study. Antunes JL, et al. *J Comp Neurol* 181(3):539-65, 1 Oct 78

The distribution of neurophysins and posterior pituitary hormones in the porcine neurohypophyseal system. Dax EM, et al. *J Neurochem* 31(4):853-60, Oct 78

## OXYTOCICS

[F2a prostaglandin as a method of inducing labor] Gutiérrez Diez ML, et al. *Rev Clin Esp* 149(3):263-70, 15 May 78 (Eng. Abstr.) (Spa)

## ADMINISTRATION &amp; DOSAGE

[Induction of labour (author's transl)] Reinold E. *Wien Klin Wochenschr* 90(18):649-54, 29 Sep 78 (Eng. Abstr.) (Ger)

## OXYTOCIN

## ADMINISTRATION &amp; DOSAGE

Comparison of extra-amniotic instillation of rivanol and PGF2alpha either separately or in combination followed by oxytocin for second trimester abortion. Olund A, et al. *Acta Obstet Gynecol Scand* 57(4):333-6, 1978

New restrictions on oxytocin use. *FDA Drug Bull* 8(5):30, Oct-Nov 78

Plasma half-lives of vasopressin and oxytocin analogs after iv injection in rats. Gazis D. *Proc Soc Exp Biol Med* 158(4):663-5, Sep 78

## ADVERSE EFFECTS

Clinical and neurobehavioral effects of repeated intrauterine exposure to oxytocin: a prospective study. Scanlon JW, et al. *Am J Obstet Gynecol* 132(3):294-6, 1 Oct 78

Neonatal serum bilirubin levels in spontaneous and induced labour. Sivasuriya M, et al. *Br J Obstet Gynaecol* 85(8):619-23, Aug 78

Oxytocin infusion during labour and neonatal jaundice. Singh M, et al. *Indian Pediatr* 15(5):399-402, May 78

## ANALOGS &amp; DERIVATIVES

Immunocytochemical study of the neurohypophysial hormone producing system of the lungfish, *Protopterus aethiopicus*. Goossens N, et al. *Cell Tissue Res* 190(1):69-77, 26 Jun 78

Modes of inactivation of neurohypophysial hormones: significance of plasma disappearance rate for their physiological responses. Pliška V, et al. *Clin Endocrinol (Oxf)* 5 Suppl:73S-84S, 1976

Hormonal control of sodium transport by the gills of teleost fish. pp. 204-9. Evans DH.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.

Solid-phase synthesis of oxytocin, desaminoxytocin and 4-Thr-oxytocin using active esters in presence of 1-hydroxybenzotriazole. Khan SA, et al.

*Int J Pept Protein Res* 12(3):164-9, Sep 78

Plasma half-lives of vasopressin and oxytocin analogs after iv injection in rats. Gazis D. *Proc Soc Exp Biol Med* 158(4):663-5, Sep 78

## ANALYSIS

Projections from the parvocellular vasopressin- and neurophysin-containing neurons of the suprachiasmatic nucleus. Sofroniew MV, et al. *Am J Anat* 153(3):391-429, Nov 78

Vasopressin and corticotropin-releasing factor: an axonal pathway to portal capillaries in the zona externa of the median eminence containing vasopressin and its interaction with adrenal corticoids. Zimmerman EA, et al. *Ann NY Acad Sci* 297:405-19, 28 Oct 77

The distribution of neurophysins and posterior pituitary hormones in the porcine neurohypophyseal system. Dax EM, et al. *J Neurochem* 31(4):853-60, Oct 78

## BIOSYNTHESIS

The adrenergic influences on the hypothalamic and neurohypophysial oxytocic activity in long-term dehydrated male white rats. Guzek JW, et al.

*Acta Physiol Pol* 29(3):221-9, May-Jun 78

Immunocytochemical study of the neurohypophysial hormone producing system of the lungfish, *Protopterus aethiopicus*. Goossens N, et al. *Cell Tissue Res* 190(1):69-77, 26 Jun 78

## BLOOD

The effect of the milking process on oxytocic activity in the blood plasma of cows during oestrous. Barowicz T, et al. *Acta Physiol Pol* 29(3):297-9, May-Jun 78

Modes of inactivation of neurohypophysial hormones: significance of plasma disappearance rate for their physiological responses. Pliška V, et al. *Clin Endocrinol (Oxf)* 5 Suppl:73S-84S, 1976

Plasma half-lives of vasopressin and oxytocin analogs after iv injection in rats. Gazis D. *Proc Soc Exp Biol Med* 158(4):663-5, Sep 78

## CHEMICAL SYNTHESIS

Solid-phase synthesis of oxytocin, desaminoxytocin and 4-Thr-oxytocin using active esters in presence of 1-hydroxybenzotriazole. Khan SA, et al.

*Int J Pept Protein Res* 12(3):164-9, Sep 78

## DIAGNOSTIC USE

Clinical and neurobehavioral effects of repeated intrauterine exposure to oxytocin: a prospective study. Scanlon JW, et al. *Am J Obstet Gynecol* 132(3):294-6, 1 Oct 78

Significance of the transient bradycardic pattern in prepathological oxytocin stress test. Dominguez AN, et al. *Z Geburtshilfe Perinatol* 182(4):294-8, Aug 78

[Clinical use of the obstetrical monitor. IV. A functional test without loading for determining fetal status ('non-stress test')] Khadzhev A. *Akush Ginekol (Sofia)* 17(4):235-44, 1978 (Eng. Abstr.) (Bul)

[Determination of the sensitivity of the Smith oxytocin-sensitive test by monitoring follow-up in cases of prolonged pregnancy with and without the use of medication] Pranchev N. *Akush Ginekol (Sofia)* 17(4):244-7, 1978 (Eng. Abstr.) (Bul)

## METABOLISM

Intra- and extrahypothalamic vasopressin and oxytocin pathways in the rat. Pathways to the limbic system, medulla oblongata and spinal cord. Buijs RM. *Cell Tissue Res* 192(3):423-35, 26 Sep 78

Modes of inactivation of neurohypophysial hormones: significance of plasma disappearance rate for their physiological responses. Pliška V, et al.

*Clin Endocrinol (Oxf)* 5 Suppl:73S-84S, 1976

The hypothalamic magnocellular system of the rhesus monkey: an immunocytochemical study. Antunes JL, et al. *J Comp Neurol* 181(3):539-65, 1 Oct 78

## PITUITARY

## PITUITARY HORMONES,

### PHARMACODYNAMICS

- Inhibition of menstrual uterine motility during water diuresis. Cobo E, et al. *Am J Obstet Gynecol* 132(3):313-20, 1 Oct 78
- Fetal heart rate reaction to amniocentesis as an indicator of fetal well-being. Harrigan JT, et al. *Am J Obstet Gynecol* 132(1):49-52, 1 Sep 78
- A study of fetal acceleration tests. Rayburn WF, et al. *Am J Obstet Gynecol* 132(1):33-5, 1 Sep 78
- The action of bradykinin and oxytocin on the isolated whole uterus and myometrium of the rat in oestrus. Whalley ET. *Br J Pharmacol* 64(1):21-8, Sep 78
- Vasopressin stimulation of acetate incorporation into lipids in a dimethylbenz(a)anthracene-induced rat mammary tumor cell line. Monaco ME, et al. *Cancer Res* 38(11 Pt 2):4101-4, Nov 78
- Modes of inactivation of neurohypophysial hormones: significance of plasma disappearance rate for their physiological responses. Pliška V, et al. *Clin Endocrinol (Oxf)* 5 Suppl:73S-84S, 1976
- Impairments in lactation in the rat following destruction of the median raphe nucleus. Barofsky AL, et al. *Neuroendocrinology* 26(6):333-51, 1978
- Oxytocin reinstates maternal olfactory cues for nipple orientation and attachment in rat pups. Singh PJ, et al. *Physiol Behav* 20(4):385-9, Apr 78
- Uropharmacology: IX. Direct-acting smooth muscle stimulants and depressants. Finkbeiner AE, et al. *Urology* 12(2):231-5, Aug 78

### PHYSIOLOGY

- Hormonal control of sodium transport by the gills of teleost fish. pp. 204-9. Evans DH.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- [The onset of labour. A reminder of its physiology (author's transl)] Lerat MF. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):702-11, Apr 78 (Eng. Abstr.) (Fre)

### SECRETION

- Morphology of membrane changes during neurohypophyseal hormone release in a hibernating rodent. Theodosis DT, et al. *Brain Res* 154(2):371-6, 13 Oct 78
- Effects of veratridine on Ca fluxes and the release of oxytocin and vasopressin from the isolated rat neurohypophysis. Nordmann JJ, et al. *J Gen Physiol* 72(3):297-304, Sep 78

### THERAPEUTIC USE

- Comparison of extra-amniotic instillation of rivanol and PGF<sub>2</sub>alpha either separately or in combination followed by oxytocin for second trimester abortion. Olund A, et al. *Acta Obstet Gynecol Scand* 57(4):333-6, 1978
- The effects of longacting paracervical block anesthesia on the abortifacient efficacy of intra-amniotic PGF<sub>2</sub>alpha and hypertonic saline. Ragab MI, et al. *Acta Obstet Gynecol Scand* 57(4):327-31, 1978
- Inducing labour with the Cardiff infusion system. West WE. *Nurs Mirror* 147(10):27-30, 7 Sep 78

## PITUITARY HORMONES

- [The neurohormones] Milcu SM. *Endocrinologie* 16(3):235-6, Jul-Sep 78 (Fre)

### BLOOD

- The effect of 2-Br-alpha-ergocryptine on the hepatic steroid metabolism and serum pituitary hormone levels in normal rats and rats with an ectopic pituitary. Skett P, et al. *Biochem Pharmacol* 27(13):1713-6, 1978

### CEREBROSPINAL FLUID

- Transport of pituitary hormones into the cerebrospinal fluid in women. *Res Reprod* 10(4):1, Jul 78

### IMMUNOLOGY

- Cytology and distribution of secretory cell types in the mouse hypophysis as demonstrated with immunocytochemistry. Baker BL, et al. *Am J Anat* 153(2):193-215, Oct 78
- Binding bovine immunoglobulins to anterior lobe cells of the hypophysis. Boyd WH, et al. *Experientia* 34(8):1090-2, 15 Aug 78

### METABOLISM

- Effects of serotonin neurotoxins on pituitary hormone release. Clemens JA. *Ann NY Acad Sci* 305:399-410, 12 Jun 78
- The endorphins, novel peptides of brain and hypophyseal origin, with opiate-like activity: biochemical and biologic studies. Guillemin R, et al. *Ann NY Acad Sci* 297:131-57, 28 Oct 77

### PHARMACODYNAMICS

- Insulin secretion from pancreatic islets: effect of growth hormone and related proteins. Larson BA, et al. *Diabetologia* 15(2):129-32, Aug 78

### PHYSIOLOGY

- Role of pituitary hormones in the growth of human breast cancer. Pearson OH, et al. *Cancer Res* 38(11 Pt 2):4323-6, Nov 78
- Fine structure of Sertoli cells in the rat testis after hypophysectomy, testosterone treatment and re-involution. Aumüller G, et al. *Cytobiologie* 17(2):453-63, Aug 78

### SECRETION

- Binding bovine immunoglobulins to anterior lobe cells of the hypophysis. Boyd WH, et al. *Experientia* 34(8):1090-2, 15 Aug 78
- Tumours of the pituitary gland. Furth J, et al. *IARC Sci Publ* (6):201-37, 1976 (113 ref.)
- [Practical value of new knowledge on the structure and function of pituitary adenomas] Landolt AM. *Schweiz Med Wochenschr* 108(40):1521-35, 7 Oct 78 (76 ref.) (Eng. Abstr.) (Ger)

## PITUITARY HORMONES, ANTERIOR

### BIOSYNTHESIS

- Role of calcium in the regulation of adeno-hypophyseal hormone release. Moriarty CM. *Life Sci* 23(3):185-94, 17 Jul 78 (54 ref.)

### BLOOD

- [Endocrinological studies of Turner's syndrome] Suzuki J, et al. *Hormon To Rinsho* 26(1):73-7, Jan 78 (Jpn)

### METABOLISM

- [Anorexia nervosa: disturbed endocrine regulation] Krans HM. *Ned Tijdschr Geneesk* 122(40):1531-3, 7 Oct 78 (Dut)

### PHYSIOLOGY

- The hormonal regulation of hepatic microsomal 11beta-hydroxysteroid dehydrogenase activity in the rat. Lax ER, et al. *Acta Endocrinol (Copenh)* 89(2):352-8, Oct 78
- Circadian pattern of secretion of hormones by the anterior pituitary gland with particular reference to the involvement of serotonin in their rhythmic regulation. pp. 163-71. Kordon C, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.

### SECRETION

- Neuroendocrine consequences of chemical indolectomy. Jacoby JH, et al. *Ann NY Acad Sci* 305:387-98, 12 Jun 78 (123 ref.)
- Changes in the distribution of non-neuronal elements in rat median eminence and in anterior pituitary hormone secretion after activation of tuberoinfundibular dopamine neurones by brain stimulation or nicotine. Lichtensteiger W, et al. *Brain Res* 157(1):73-88, 17 Nov 78
- Neurotransmitters and control of pituitary function. Kordon C, et al. *Curr Top Mol Endocrinol* 3:51-61, 1976
- Role of prostaglandins (PGs) in the control of adeno-hypophyseal hormone secretion. McCann SM, et al. *Curr Top Mol Endocrinol* 3:21-35, 1976 (36 ref.)
- Episodic GH secretion: evidence for a hypothalamic dopaminergic mechanism. Willoughby JO, et al. *Curr Top Mol Endocrinol* 3:303-20, 1976
- The hypothalamo-hypophyseal system: model for central peptidergic and monoaminergic transmission. Fink G, et al.



## PITUITARY HORMONES,

## PITUITARY

- Int Rev Physiol 17:1-48, 1978 (288 ref.)  
 Role of calcium in the regulation of adenohipophysial hormone release. Moriarty CM. Life Sci 23(3):185-94, 17 Jul 78 (54 ref.)  
 [Behavior of pituitary secretion after acute cimetidine overload] Marugo M, et al. Boll Soc Ital Biol Sper 54(3):282-6, 15 Feb 78 (Ita)  
 [Seckel's dwarfism. Description of a case with endocrine changes] Carmina E, et al. Minerva Pediatr 30(20):1635-40, 30 Oct 78 (Eng. Abstr.) (Ita)

## PITUITARY HORMONES, POSTERIOR

- Influence of the peptide-chain length on disulphide-bond formation in neurohypophysial hormones and analogues. Moore G. Biochem J 173(2):403-9, 1 Aug 78

### ANTAGONISTS & INHIBITORS

- [Effect of acetylcholine on the pituitrin induced osmotic flow of water through the wall of the frog urinary bladder] Bagrov Ialu, et al. Biull Eksp Biol Med 86(9):321-4, Sep 78 (Eng. Abstr.) (Rus)

### METABOLISM

- The distribution of neurophysins and posterior pituitary hormones in the porcine neurohypophyseal system. Dax EM, et al. J Neurochem 31(4):853-60, Oct 78  
 [Prolactin] Lamberts SW, et al. Ned Tijdschr Geneesk 122(36):1327-34, 9 Sep 78 (47 ref.) (Dut)

### PHYSIOLOGY

- Environment and osmoregulation among lungfishes and amphibians. pp. 210-6. Sawyer WH, et al.  
 In: Assenmacher I, Farner DS, ed. Environmental endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 [The onset of labour. A reminder of its physiology (author's transl)] Lerat MF. J Gynecol Obstet Biol Reprod (Paris) 7(3 Pt 2):702-11, Apr 78 (Eng. Abstr.) (Fre)

### SECRETION

- [Electron- and light microscopic study of changes in the structure of the posterior hypophyseal lobe caused by long-term compression of soft tissues] Kardash'ian GK, et al. Arkh Anat Gistol Embriol 75(8):56-63, Aug 78 (Eng. Abstr.) (Rus)

## PITUITRIN

### ANTAGONISTS & INHIBITORS

- [Effect of acetylcholine on the pituitrin induced osmotic flow of water through the wall of the frog urinary bladder] Bagrov Ialu, et al. Biull Eksp Biol Med 86(9):321-4, Sep 78 (Eng. Abstr.) (Rus)

## PROLACTIN

- Fine structure of rat prolactin cells after treatment with a long acting depot contraceptive. Aumüller G, et al. Acta Endocrinol (Copenh) 89(2):251-62, Oct 78  
 Dissociation of plasma and CSF prolactin heterogeneity. Jordan RM, et al. Acta Endocrinol (Copenh) 89(1):38-47, Sep 78  
 Structure of the Adenohipophysis in parturient female and neonate harp seals, Pagophilus groenlandicus. Leatherland JF, et al. Cell Tissue Res 192(2):341-57, 5 Sep 78  
 Control of prolactin secretion in man. Bohnet HG, et al. Curr Top Mol Endocrinol 3:257-81, 1976 (143 ref.)  
 Immunostaining of growth hormone and prolactin in paraffin-embedded and stored or previously stained materials. Halmi NS. J Histochem Cytochem 26(7):486-95, Jul 78 (25 ref.)  
 Immunohistochemical studies of prolactin binding in sex accessory organs of the male rat. Witorsch RJ. J Histochem Cytochem 26(7):565-80, Jul 78  
 Prolactin. Barlow JF. SD J Med 31(10):34, Oct 78

### ANALOGS & DERIVATIVES

- Effect of ovine and bovine NPS-prolactins on mouse

- mammary gland RNA synthesis. Kochman K, et al. Bull Acad Pol Sci [Biol] 26(6):411-3, Sep 78

### ANALYSIS

- Control of prolactin secretion in man. Bohnet HG, et al. Curr Top Mol Endocrinol 3:257-81, 1976 (143 ref.)  
 [Secondary amenorrhea after hormonal contraceptives] Lauritzen C. Med Klin 73(39):1343-50, 29 Sep 78 (52 ref.) (Ger)

### ANTAGONISTS & INHIBITORS

- Prolactin and the development and progression of early neoplastic mammary gland lesions. Welsch CW. Cancer Res 38(11 Pt 2):4054-8, Nov 78  
 Testosterone metabolism in patients with advanced carcinoma of the prostate: a comparative in vivo study of the effects of oestrogen and antiprolactin. Jacobi GH, et al. Urol Res 6(3):159-65, 1 Sep 78

### BIOSYNTHESIS

- Culture of human pituitary prolactin and growth hormone cells. Snyder J, et al. Cell Tissue Res 191(3):379-88, 16 Aug 78  
 Biochemical and ultrastructural studies on estrogen-induced pituitary tumors in F344 rats. De Nicola AF, et al. J Natl Cancer Inst 61(3):753-63, Sep 78  
 Prolactin synthesis by human chorion-decidua tissue: a possible source of prolactin in the amniotic fluid. Golander A, et al. Science 202(4365):311-3, 20 Oct 78

### BLOOD

- Absence of inhibition by hyperprolactinaemia on ovarian response to exogenous gonadotrophin. Aono T, et al. Acta Endocrinol (Copenh) 89(1):142-8, Sep 78  
 Fine structure of rat prolactin cells after treatment with a long acting depot contraceptive. Aumüller G, et al. Acta Endocrinol (Copenh) 89(2):251-62, Oct 78  
 Adrenal involvement in the timing of puberty in female rats: interaction with serum prolactin levels. Gelato MC, et al. Acta Endocrinol (Copenh) 89(3):590-8, Nov 78  
 Dissociation of plasma and CSF prolactin heterogeneity. Jordan RM, et al. Acta Endocrinol (Copenh) 89(1):38-47, Sep 78  
 Effect of norepinephrine synthesis inhibitors and a dopamine agonist on hypothalamic LH-RH serum gonadotrophin and prolactin levels in gonadal steroid treated rats. Kalra SP, et al. Acta Endocrinol (Copenh) 89(1):1-9, Sep 78  
 Effects of medial hypothalamic deafferentation on prolactin secretion in pseudopregnant rats. Kato H, et al. Acta Endocrinol (Copenh) 89(3):425-31, Nov 78  
 The role of the hypothalamus in the tonic secretion of prolactin induced by oestrogens in the rat. Kato H, et al. Acta Endocrinol (Copenh) 89(3):417-24, Nov 78  
 A heterologous radioimmunoassay for avian prolactin: application to the measurement of prolactin in the turkey. McNeilly AS, et al. Acta Endocrinol (Copenh) 89(1):60-9, Sep 78  
 Effect of pyridoxine on plasma levels of HGH, PRL, and TSH in normal women. Peters F, et al. Acta Endocrinol (Copenh) 89(2):217-20, Oct 78  
 2alpha-bromoergocryptine in the management of the amenorrhea-galactorrhea syndrome. Clinical and endocrinological evaluation of response to treatment. Barreca P, et al. Acta Eur Fertil 9(1):21-9, Mar 78 (Eng, Ita)  
 Hyperprolactinaemia in a boy with hypothyroidism due to an ectopic thyroid. Roitman A, et al. Acta Paediatr Belg 31(3):155-7, Jul-Sep 78  
 Combined effect of pimozide and thyroliberin (TRH) on serum prolactin and thyroid stimulating hormone (TSH) in man. Linnoila M, et al. Acta Pharmacol Toxicol (Copenh) 43(1):72-4, Jul 78  
 Effect of melperone, two of its metabolites and thiothixene on central monoamine metabolism and prolactin levels in rodents. Wiesel FA, et al. Acta Pharmacol Toxicol (Copenh) 43(2):129-36, Aug 78  
 The effects of an antihistamine and/or a glucocorticoid on the prolactin response to surgical procedures. Chapler FK, et al. Am J Obstet Gynecol 132(4):367-72, 15 Oct 78  
 Antiserotonin treatment of hyperprolactinemic amenorrhea: long-term follow-up with metergoline, methysergide, and cyproheptadine. Crosignani PG, et al. Am J Obstet Gynecol 132(3):307-12, 1 Oct 78  
 Analysis of secretory patterns of prolactin and gonadotropins during twenty-four hours in a lactating woman before and after resumption of menses. Madden JD, et al.



- Am J Obstet Gynecol 132(4):436-41, 15 Oct 78
- Neuroleptic-induced supersensitivity psychosis. Chouinard G, et al. Am J Psychiatry 135(11):1409-10, Nov 78
- Increase in serum prolactin by exogenous and endogenous opiates: evidence for antidopamine and antipsychotic effects. Gold MS, et al. Am J Psychiatry 135(11):1415-6, Nov 78
- Plasma prolactin concentrations in women treated with low dose combination type oral contraceptives and in women using a d-norgestrel-releasing intrauterine device. Nilsson CG, et al. Ann Clin Res 10(4):242-5, Aug 78
- Effect of intraventricular injection of 5,7-dihydroxytryptamine on serum gonadotropins and prolactin. Wuttke W, et al. Ann NY Acad Sci 305:423-36, 12 Jun 78
- Nutritional carcinogenesis. Wynder EL. Ann NY Acad Sci 300:360-78, 30 Nov 77
- Deranged anterior pituitary responsiveness to hypothalamic hormones in depressed patients. Brambilla F, et al. Arch Gen Psychiatry 35(10):1231-8, Oct 78
- Relation of plasma prolactin to clinical response in schizophrenic patients. Gruen PG, et al. Arch Gen Psychiatry 35(10):1222-7, Oct 78
- Neuroleptic-induced prolactin level elevation and breast cancer: an emerging clinical issue. Schyve PM, et al. Arch Gen Psychiatry 35(11):1291-1301, Nov 78
- Primary hypothyroidism and pituitary enlargement. Radiological evidence of pituitary regression. Jawadi MH, et al. Arch Intern Med 138(10):1555-7, Oct 78
- Treatment of amenorrhoea, galactorrhoea and hypogonadism with bromocriptine. Donald RA, et al. Aust NZ J Med 8(3):262-6, Jun 78
- Thyrotropin, prolactin and growth hormone response to synthetic thyrotropin-releasing hormone in newborn infants. Delitala G, et al. Biol Neonate 33(5-6):236-9, 1978
- Prolactin release in lactating, primiparous and multiparous thelectomized and maternal virgin rats exposed to pup stimuli. Stern JM, et al. Biol Reprod 19(1):177-82, Aug 78
- Induction of ovulation with clomiphene and human chorionic gonadotrophin in women with hyperprolactinaemic amenorrhoea. McGarrigle HH, et al. Br J Obstet Gynaecol 85(9):692-7, Sep 78
- The effects of quinesol and bromocriptine on blood coagulation, serum prolactin and serum FSH levels in puerperal women. Osbourne GK, et al. Br J Obstet Gynaecol 85(9):687-91, Sep 78
- Behavioral and prolactin responses to 5-hydroxytryptophan in rats treated during development with 5,7-dihydroxytryptamine. Breese GR, et al. Brain Res 155(2):263-75, 27 Oct 78
- Changes in the distribution of non-neuronal elements in rat median eminence and in anterior pituitary hormone secretion after activation of tuberoinfundibular dopamine neurones by brain stimulation or nicotine. Lichtensteiger W, et al. Brain Res 157(1):73-88, 17 Nov 78
- Effects of acute administration of monosodium-L-glutamate (MSG), atropine or haloperidol on anterior pituitary hormone secretion in the rat. Nemeroff CB, et al. Brain Res 156(1):198-201, 3 Nov 78
- Hypothalamic-pituitary responses to intracranial self-stimulation in the rat. Terry LC, et al. Brain Res 157(1):89-104, 17 Nov 78
- The effects of intraventricular injection of gamma-aminobutyric acid (GABA) on prolactin and gonadotropin release in conscious female rats. Vijayan E, et al. Brain Res 155(1):35-43, 20 Oct 78
- Plasma hormone profiles of young women at risk for familial breast cancer. Fishman J, et al. Cancer Res 38(11 Pt 2):4006-11, Nov 78
- Endocrine effects of alcohol. Wright J. Clin Endocrinol Metab 7(2):351-67, Jul 78
- Androgen and cortisol responses to ACTH stimulation in women with hyperprolactinaemia. Kandeel FR, et al. Clin Endocrinol (Oxf) 9(2):123-30, Aug 78
- Gonadotrophin, thyrotrophin and prolactin reserve in beta thalassaemia. Landau H, et al. Clin Endocrinol (Oxf) 9(2):163-73, Aug 78
- Neuroendocrine correlates of clinical response during withdrawal from chlordiazepoxide. Brown WA, et al. Commun Psychopharmacol 2(3):251-4, 1978
- Effect of piperoxane on rat plasma prolactin. Meltzer HY, et al. Commun Psychopharmacol 2(3):237-42, 1978
- The effect of muscimol on prolactin secretion in male rats. Meltzer HY, et al. Commun Psychopharmacol 2(3):231-6, 1978
- Comparative effects of penfluridol on circling behavior and striatal DOPAC and serum prolactin concentrations in the rat. Annunziato LA, et al. Eur J Pharmacol 50(3):187-92, 1 Aug 78
- The effects of delta1-tetrahydrocannabinol on mammary gland growth, enzyme activity and plasma prolactin levels in the mouse. Raine JM, et al. Eur J Pharmacol 51(1):11-7, 1 Sep 78
- The central effects of a novel dopamine agonist. Setler PE, et al. Eur J Pharmacol 50(4):419-30, 15 Aug 78
- Concentrations of certain hormones in the blood of human males subjected to steady-state noise. pp. 270-3. Favino A.
- In: Assenmacher I, Farner DS, ed. Environmental endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Annual cyclic variations in prolactin in sheep. pp. 75-8. Ortavant R, et al.
- In: Assenmacher I, Farner DS, ed. Environmental endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Endocrine concomitants of the sleep-wake rhythm in man. pp. 124-31. Quabbe HJ.
- In: Assenmacher I, Farner DS, ed. Environmental endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977. (34 ref.)
- Annual endocrine rhythms in healthy young adult men: their implication in human biology and medicine. pp. 113-21. Reinberg A, et al.
- In: Assenmacher I, Farner DS, ed. Environmental endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Hypothalamo-pituitary-testicular axis in men undergoing chronic intermittent hemodialysis. Kawamura J, et al. Int J Artif Organs 1(5):224-30, Sep 78
- Ergot alkaloids. New ergolines as selective dopaminergic stimulants. Stütz PL, et al. J Med Chem 21(8):754-7, Aug 78
- Effect of bromocriptine on dystonic-athetoid dyskinesias in mentally retarded patients. Iivanainen M, et al. J Ment Defic Res 22(3):193-6, Sep 78
- Localization of the site of the haloperidol-induced, prolactin-mediated increase of dopamine turnover in the median eminence: studies in rats with complete hypothalamic deafferentations. Gudelsky GA, et al. J Neural Transm 42(3):181-92, 1978
- Negative naloxone effects on serum-prolactin [letter] Janowsky D, et al. Lancet 2(8090):637, 16 Sep 78
- Cimetidine and serum-prolactin [letter] Rowley-Jones D. Lancet 2(8090):635, 16 Sep 78
- Mechanisms underlying the prolactin-lowering effect of meterogoline in the rat. Cocchi D, et al. Life Sci 23(9):927-36, 4 Sep 78
- Inhibition of prolactin release by serotonin antagonists in hyperprolactinemic subjects. Ferrari C, et al. Metabolism 27(10):1499-504, Oct 78
- Effect of apomorphine and pibedil on the secretion of thyrotropin and prolactin in patients with primary hypothyroidism. Masala A, et al. Metabolism 27(11):1608-12, Nov 78
- Prolactin-screening tumors and hypogonadism in 22 men. Carter JN, et al. N Engl J Med 299(16):847-52, 19 Oct 78
- Bromocriptine-induced inhibition of plasma dopamine, noradrenaline and adrenaline responses to LH-RF. Van Loon GR. Nature 275(5678):331-2, 28 Sep 78
- The effect of altered thyroid state on prolactin binding to liver and 7,12-dimethylbenz(a)anthracene-induced mammary tumors in rats. Smith RD, et al. Proc Soc Exp Biol Med 158(4):517-20, Sep 78
- The influence of chronic long term alcohol abuse on testosterone secretion in men and rats. Lox CD, et al. Proc West Pharmacol Soc 21:299-302, 1978
- Neuroendocrine responses to benzomorphans (cyclazocine, ketocyclazocine and WIN 35, 197-2) in the rat. Murray GM, et al. Proc West Pharmacol Soc 21:371-5, 1978
- Effect of prostaglandin F2alpha on ovarian and pituitary function in the mid-luteal phase. Kajanoja P, et al. Prostaglandins 16(2):327-32, Aug 78
- The effect of fluphenazine on basal prolactin concentrations. Chalmers RJ, et al. Psychol Med 8(3):483-6, Aug 78
- Response to thyrotropin-releasing hormone stimulation in young psychotic children: a pilot study. Campbell M, et al. Psychoneuroendocrinology 3(2):195-201, Apr 78
- The psychobiology of premenstrual dysphoria: the role of prolactin. Carroll BJ, et al. Psychoneuroendocrinology 3(2):171-80, Apr 78
- Effect of dopamine and neuroleptics on plasma growth hormone and prolactin in normal men. Langer G, et al. Psychoneuroendocrinology 3(2):165-9, Apr 78
- Studies of growth hormone (GH), thyrotropin (TSH) and prolactin (PRL) secretion in anorexia nervosa. Macaron C, et al. Psychoneuroendocrinology 3(2):181-5, Apr 78
- Infertility: promising new treatments. Kolata GB. Science 202(4364):200-3, 13 Oct 78
- Testosterone metabolism in patients with advanced carcinoma of the prostate: a comparative in vivo study of the effects of oestrogen and antiprolactin. Jacobi GH, et al. Urol Res 6(3):159-65, 1 Sep 78
- [Prolactin] Lamberts SW, et al. Ned Tijdschr Geneesk 121



- 122(36):1327-34, 9 Sep 78 (47 ref.) (Dut)  
 [Anesthesia-intensive care in pituitary gland surgery. Hormonal preparation and preoperative water-electrolyte equilibration] Fossati P, et al. *Anesth Analg* (Paris) 35(2):287-92, Mar-Apr 78 (Fre)  
 [The pathological secretion of prolactin (author's transl)] Schaison G. *J Gynecol Obstet Biol Reprod* (Paris) 7(3 Pt 2):634-9, Apr 78 (Eng. Abstr.) (Fre)  
 [Hyperprolactinemia, male impotence, oligozoospermia and the treatment with Bromocriptin (author's transl)] Schellen TM, et al. *Dermatol Monatsschr* 164(8):568-70, Aug 78 (Eng. Abstr.) (Ger)  
 [Regulation of the adenohypophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. IV. Somatostatin and somatotropin releasing hormones] Blech W. *Endokrinologie* 72(1):77-118, Apr 78 (240 ref.) (Ger)  
 [Testosterone, FSH and LH level in the serum of patients with prostatic neoplasms, treated with female hormones] Weidner W, et al. *Helv Chir Acta* 45(3):287-90, Jul 78 (Eng. Abstr.) (Ger)  
 [Changes in blood prolactin during electroconvulsive therapy] Carchedi F, et al. *Boll Soc Ital Biol Sper* 54(8):709-11, 30 Apr 78 (Ita)  
 [Circadian behavior of blood prolactin in patients with pituitary adenoma] Murialdo G, et al. *Boll Soc Ital Biol Sper* 54(3):270-3, 15 Feb 78 (Ita)  
 [Hyperprolactinemia and pituitary neoplasms] Sato K. *Horumon To Rinsho* 26(1):67-71, Jan 78 (Jpn)  
 [Hyperprolactinemia] Aono T. *Nippon Rinsho Suppl*:1540-1, May 78 (Jpn)  
 [Prolactin in depression] Cuenca E, et al. *Arch Farmacol Toxicol* 4(1):47-9, Apr 78 (Spa)  
 [Bromocriptin in the treatment of amenorrheas with hyperprolactinemia] Anselmo J. *Rev Chil Obstet Ginecol* 42(4):248-55, 1977 (Spa)

#### CEREBROSPINAL FLUID

- Dissociation of plasma and CSF prolactin heterogeneity. Jordan RM, et al. *Acta Endocrinol* (Copenh) 89(1):38-47, Sep 78  
 Clinical assessment of dopamine receptor blockade. Sedvall G, et al. *Life Sci* 23(5):425-9, 7 Aug 78  
 Transport of pituitary hormones into the cerebrospinal fluid in women. *Res Reprod* 10(4):1, Jul 78

#### IMMUNOLOGY

- A heterologous radioimmunoassay for avian prolactin: application to the measurement of prolactin in the turkey. McNeilly AS, et al. *Acta Endocrinol* (Copenh) 89(1):60-9, Sep 78

#### METABOLISM

- On the relative biological and immunoreactive potencies of luteinizing hormone in the oestradiol benzoate-treated male rat. Grotjan HE Jr, et al. *Acta Endocrinol* (Copenh) 89(3):538-50, Nov 78  
 Dopamine and schizophrenia. Crow TJ, et al. *Adv Biochem Psychopharmacol* 19:301-9, 1978 (26 ref.)  
 Vascular dopamine receptor as a model for other dopamine receptors. Goldberg LI. *Adv Biochem Psychopharmacol* 19:119-29, 1978 (46 ref.)  
 Pharmacology and neurochemistry of apomorphine. Di Chiara G, et al. *Adv Pharmacol Chemother* 15:87-160, 1978 (461 ref.)  
 Effects of serotonin neurotoxins on pituitary hormone release. Clemens JA. *Ann NY Acad Sci* 305:399-410, 12 Jun 78  
 A survey of the hormonal factors that control calcium metabolism. MacIntyre I, et al. *Ann NY Acad Sci* 307:345-55, 28 Apr 78 (15 ref.)  
 Metabolism of lergotril to 13-hydroxy lergotril, a potent inhibitor of prolactin release in vitro. Parli CJ, et al. *Biochem Pharmacol* 27(9):1405-8, 1 May 78  
 Role of pituitary hormones in the growth of human breast cancer. Pearson OH, et al. *Cancer Res* 38(11 Pt 2):4323-6, Nov 78  
 Hormonal control of liver prolactin receptors. Kelly PA, et al. *Curr Top Mol Endocrinol* 3:321-35, 1976 (27 ref.)  
 Neuroendocrine aspects of reproduction in experimental malnutrition. pp. 306-12. Srebnik HH, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (27 ref.)  
 The effect of altered thyroid state on prolactin binding to liver and 7,12-dimethylbenz(a)anthracene-induced mammary tumors in rats. Smith RD, et al. *Proc Soc Exp Biol Med* 158(4):517-20, Sep 78

- Clinical Research Centre Division of Psychiatry 1974-1977. Crow TJ. *Psychol Med* 8(3):515-23, Aug 78  
 Neuropharmacological studies of prolactin secretion. Meltzer HY, et al. *Psychopharmacol Bull* 14(4):26-9, Oct 78  
 [Anorexia nervosa: disturbed endocrine regulation] Krans HM. *Ned Tijdschr Geneesk* 122(40):1531-3, 7 Oct 78 (Dut)

#### PHARMACODYNAMICS

- Adrenal involvement in the timing of puberty in female rats: interaction with serum prolactin levels. Gelato MC, et al. *Acta Endocrinol* (Copenh) 89(3):590-8, Nov 78  
 Studies on tuberoinfundibular dopamine neurons. Moore KE, et al. *Adv Biochem Psychopharmacol* 19:193-204, 1978  
 The relative contribution of suckling and prolactin to the inhibition of gonadotropin secretion during lactation in the rat. Smith MS. *Biol Reprod* 19(1):77-83, Aug 78  
 Effect of ovine and bovine NPS-prolactins on mouse mammary gland RNA synthesis. Kochman K, et al. *Bull Acad Pol Sci [Biol]* 26(6):411-3, Sep 78  
 alpha-Lactalbumin in human and subhuman primate normal mammary tissue and in human breast cancer as a marker for prolactin activity. Kleinberg DL, et al. *Cancer Res* 38(11 Pt 2):4318-22, Nov 78  
 Vasopressin stimulation of acetate incorporation into lipids in a dimethylbenz(a)anthracene-induced rat mammary tumor cell line. Monaco ME, et al. *Cancer Res* 38(11 Pt 2):4101-4, Nov 78  
 Difference between mammary epithelial cells from mature virgin and primiparous mice. Vonderhaar BK, et al. *Cancer Res* 38(11 Pt 2):4059-65, Nov 78  
 Transient occurrence of chloride cells in the abdominal epidermis of the guppy, *Poecilia reticulata* Peters, adapted to sea water. Schwerdtfeger WK, et al. *Cell Tissue Res* 191(3):463-71, 16 Aug 78  
 Hormonal control of liver prolactin receptors. Kelly PA, et al. *Curr Top Mol Endocrinol* 3:321-35, 1976 (27 ref.)  
 Role of prostaglandins (PGs) in the control of adenohypophyseal hormone secretion. McCann SM, et al. *Curr Top Mol Endocrinol* 3:21-35, 1976 (36 ref.)  
 Vitamin D metabolism in bullfrogs and Japanese quail: effects of estradiol and prolactin. Baksi SN, et al. *Gen Comp Endocrinol* 35(3):258-62, Jul 78  
 Failure to detect an effect of prolactin on pulmonary surfactant and adrenal steroids in fetal sheep and rabbits. Ballard PL, et al. *J Clin Invest* 62(4):879-83, Oct 78  
 Secretion of casein in cultures of mouse mammary epithelial cells on floating collagen gels. Enami J, et al. *J Dairy Sci* 61(6):729-32, Jun 78  
 Primary culture of rat mammary epithelial cells. I. Effect of plating density, hormones, and serum on DNA synthesis. Richards J, et al. *J Natl Cancer Inst* 61(3):765-71, Sep 78  
 Characterization of mouse mammary tissue estrogen receptors under conditions of differing hormonal backgrounds. Muldoon TG. *J Steroid Biochem* 9(6):485-94, Jun 78  
 Prolactin can stimulate general protein synthesis in human breast cancer cells (MCF-7) in long-term culture. Burke RE, et al. *Life Sci* 23(9):901-6, 4 Sep 78  
 [Regulation of transcription in mammary gland during lactogenesis (author's transl)] Chomczyński P. *Postepy Biochem* 24(2):195-219, 1978 (Pol)

#### PHYSIOLOGY

- Prolactin and the development and progression of early neoplastic mammary gland lesions. Welsch CW. *Cancer Res* 38(11 Pt 2):4054-8, Nov 78  
 Effect of parachlorophenylalanine, a brain serotonin depletor, on the prolactin cells of the eel pituitary. Olivereau M. *Cell Tissue Res* 191(1):93-9, 13 Jul 78  
 Control of prolactin secretion in man. Bohnet HG, et al. *Curr Top Mol Endocrinol* 3:257-81, 1976 (143 ref.)  
 Relation of the hypothalamo-pituitary-gonadal system to decline of reproductive functions in aging female rats. Meites J, et al. *Curr Top Mol Endocrinol* 3:3-20, 1976 (29 ref.)  
 Hormonal control of sodium transport by the gills of teleost fish. pp. 204-9. Evans DH. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 Role of brain monoamines in the regulation of the circadian variations of activity of some neuroendocrine axes. pp. 137-43. Scapagnini U, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 Inhibition of prolactin release by serotonin antagonists in hyperprolactinemic subjects. Ferrari C, et al. *Metabolism* 27(10):1499-504, Oct 78  
 Hormonal regulation of membrane receptors and cell



- responsiveness: a review. Tell GP, et al. *Metabolism* 27(10):1566-92, Oct 78
- Successful breast feeding. Stanway P, et al.
- Midwife Health Visit Community Nurse 14(9):304-5, Sep 78
- [Physiology of prolactin secretion. Analytic methods] Jaffiol C, et al. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):625-33, Apr 78 (Eng. Abstr.) (Fre)
- [New acquisitions on the hormonal regulation of the menstrual cycle] Kyank H, et al. *Z Aertzl Fortbild (Jena)* 72(15):710-9, 1 Aug 78 (Ger)
- [Prolactin and human reproduction] Nillius SJ. *Katilolehti* 83(7-8):284-91, Jul-Aug 78 (Swe)

## SECRETION

- Effect of norepinephrine synthesis inhibitors and a dopamine agonist on hypothalamic LH-RH serum gonadotrophin and prolactin levels in gonadal steroid treated rats. Kalra SP, et al. *Acta Endocrinol (Copenh)* 89(1):1-9, Sep 78
- The role of the hypothalamus in the tonic secretion of prolactin induced by oestrogens in the rat. Kato H, et al. *Acta Endocrinol (Copenh)* 89(3):417-24, Nov 78
- Effects of medial hypothalamic deafferentation on prolactin secretion in pseudopregnant rats. Kato H, et al. *Acta Endocrinol (Copenh)* 89(3):425-31, Nov 78
- Effects of two substituted benzamides, tiapride and sultopride, on gonadotrophins and prolactin. L'Hermite M, et al. *Acta Endocrinol (Copenh)* 89(1):29-37, Sep 78
- Ultrastructural morphometry of sparsely granulated prolactin cell adenomas of the human pituitary. McComb DJ, et al. *Acta Endocrinol (Copenh)* 89(3):521-9, Nov 78
- Coated vesicles in the rat anterior pituitary gland. Warchol JB, et al. *Acta Histochem (Jena)* 61(2):296-304, 1978
- Specific subclones derived from a multipotential clone of rat anterior pituitary cells. Shiino M, et al. *Am J Anat* 153(1):81-95, Sep 78
- Neuroendocrine consequences of chemical indolectomy. Jacoby JH, et al. *Ann NY Acad Sci* 305:387-98, 12 Jun 78 (123 ref.)
- Control of anterior pituitary function. Locke W. *Arch Intern Med* 138(10):1541-5, Oct 78
- Ultrastructural studies on prolactin and growth hormone cells in Anguilla pituitaries in long term cultures. Benjamin M, et al. *Cell Tissue Res* 191(1):161-70, 13 Jul 78
- Control of prolactin secretion in man. Bohnet HG, et al. *Curr Top Mol Endocrinol* 3:257-81, 1976 (143 ref.)
- Neuropharmacological aspects of the neural control of prolactin secretion. Clemens JA. *Curr Top Mol Endocrinol* 3:283-301, 1976 (34 ref.)
- Neurotransmitters and control of pituitary function. Kordon C, et al. *Curr Top Mol Endocrinol* 3:51-61, 1976
- New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al. *Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)
- A case of pituitary apoplexy with spontaneous recovery. Kasai K, et al. *Endocrinol Jpn* 25(3):209-16, Jun 78
- Growth hormone, prolactin and cortisol responses and growth patterns in hyperkinetic children treated with dextro-amphetamine. Preliminary findings. Puig-Antich J, et al. *J Am Acad Child Psychiatry* 17(3):457-75, Summer 78
- Episodic patterns of prolactin and thyrotropin secretion in rams and wethers: influence of testosterone and diethylstilbestrol. Davis SL, et al. *J Anim Sci* 46(6):1724-9, Jun 78
- Changes in prolactin secretion in lactating rats assessed by correlative morphometric and biochemical methods. Häusler A, et al. *J Ultrastruct Res* 64(1):74-84, Jul 78
- Prolactin secretion in XYY males [letter] Benezech M, et al. *Lancet* 2(8095):899, 21 Oct 78
- Bromocriptine in pituitary tumours [letter] Corenblum B. *Lancet* 2(8093):786, 7 Oct 78
- A defect in catecholamine neurons in patients with prolactin-secreting pituitary adenoma. Van Loon GR. *Lancet* 2(8095):868-71, 21 Oct 78
- Differential effects of dopamine antagonists on prolactin secretion from cultured rat pituitary cells. Denef C, et al. *Life Sci* 23(5):431-5, 7 Aug 78
- A comparison of the effects of anti-psychotic drugs on pituitary, striatal and limbic system post-synaptic dopamine receptors. Meltzer HY, et al. *Life Sci* 23(6):605-9, 14 Aug 78 (26 ref.)
- Inhibition of prolactin release by serotonin antagonists in hyperprolactinemic subjects. Ferrari C, et al. *Metabolism* 27(10):1499-504, Oct 78
- Prolactin-screening tumors and hypogonadism in 22 men. Carter JN, et al. *N Engl J Med* 299(16):847-52, 19 Oct 78
- Role of brain monoamines and histamine in regulation of anterior pituitary secretion. Weiner RI, et al. *Physiol Rev* 58(4):905-76, Oct 78 (509 ref.)

- Neural control of prolactin secretion in man. Boyd AE 3d, et al. *Psychoneuroendocrinology* 3(2):113-30, Apr 78
- Pituitary stalk-section and some of its effects on endocrine function in the fetal lamb. Abel MH, et al. *Q J Exp Physiol* 63(3):211-9, Jul 78
- Prolactin. Barlow JF. *SD J Med* 31(10):34, Oct 78
- [Prolactin] Lamberts SW, et al. *Ned Tijdschr Geneesk* 122(36):1327-34, 9 Sep 78 (47 ref.) (Dut)
- [Physiology of prolactin secretion. Analytic methods] Jaffiol C, et al. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):625-33, Apr 78 (Eng. Abstr.) (Fre)
- [Circadian rhythms in man. Their incidence in endocrinology (author's transl)] Mainard F, et al. *Pathol Biol (Paris)* 26(5):255-64, May-Jun 78 (93 ref.) (Eng. Abstr.) (Fre)
- [Metoclopramide. Effects and clinical value] Neeb S, et al. *Dtsch Med Wochenschr* 103(40):1572-5, 6 Oct 78 (82 ref.) (Ger)
- [Practical value of new knowledge on the structure and function of pituitary adenomas] Landolt AM. *Schweiz Med Wochenschr* 108(40):1521-35, 7 Oct 78 (76 ref.) (Eng. Abstr.) (Ger)
- [Effects of benserazide administration on prolactin secretion] Masturzo P, et al. *Boll Soc Ital Biol Sper* 54(3):274-8, 15 Feb 78 (Ita)
- [Clinical use of synthetic thyroliberin (thyrotropin-releasing factor)] Starkova NT, et al. *Probl Endokrinol (Mosk)* 24(5):103-10, Sep-Oct 78 (Rus)
- [TRH and lipid metabolism] Cuenca E, et al. *Arch Farmacol Toxicol* 4(1):21-4, Apr 78 (Spa)
- [Bromocriptin in the treatment of amenorrheas with hyperprolactinemia] Anselmo J. *Rev Chil Obstet Ginecol* 42(4):248-55, 1977 (Spa)
- [Pregnancy after the administration of 2 bromo-alpha-ergocryptine] Crisosto C, et al. *Rev Chil Obstet Ginecol* 42(4):242-7, 1977 (Spa)

## SOMATOTROPIN

- Dissociation kinetics of tetra-S-carbamidomethylated plasmin-modified human somatotropin. Bewley TA, et al. *Biochemistry* 17(16):3315-20, 8 Aug 78
- Possible involvement of growth hormone in the pathogenesis of early neonatal hypocalcemia in infants of diabetic mothers. Bergman L, et al. *Biol Neonate* 34(1-2):72-9, 1978
- Structure of the Adenohypophysis in parturient female and neonate harp seals, *Pagophilus groenlandicus*. Leatherland JF, et al. *Cell Tissue Res* 192(2):341-57, 5 Sep 78
- The diabetogenic activity of fragments of human growth hormone in obese (ob/ob) mice. Reagan CR. *Diabetes* 27(9):883-8, Sep 78
- Immunostaining of growth hormone and prolactin in paraffin-embedded and stored or previously stained materials. Halimi NS. *J Histochem Cytochem* 26(7):486-95, Jul 78 (25 ref.)

## ADMINISTRATION &amp; DOSAGE

- Reimbursement for clinical pharmaceutical services. Patterson LE, et al. *Am J Hosp Pharm* 35(11):1373-5, Nov 78
- [Pituitary dwarfism—its treatment] Shizume K. *Nippon Rinsho Suppl*:1534-5, May 78 (Jpn)

## ANALYSIS

- Detection of bovine serum albumin interference in radioimmunoassay systems [letter] Shearer MR, et al. *Clin Chem* 24(10):1857-8, Oct 78
- Immunocytochemical identification of rat growth hormone cells utilizing antisera to nonmammalian growth hormones. McGill JR, et al. *Gen Comp Endocrinol* 35(3):342-5, Jul 78
- [Clinical picture and diagnosis of hypophyseal dwarfism] Stögmann W, et al. *Wien Med Wochenschr* 128(14):423-7, 15 Jul 78 (Ger)

## ANTAGONISTS &amp; INHIBITORS

- Loss of immunological and biological activity of insulin with a human muscle extract. Herrera-Justiniano E, et al. *Rev Esp Fisiol* 34(2):131-5, Jun 78

## BIOSYNTHESIS

- Culture of human pituitary prolactin and growth hormone cells. Snyder J, et al. *Cell Tissue Res* 191(3):379-88, 16 Aug 78



## BLOOD

- Response of acromegaly to long term bromocriptine therapy: a biochemical and clinical assessment. Clayton RN, et al. *Acta Endocrinol (Copenh)* 89(3):469-82, Nov 78
- Urinary hydroxyproline excretion in acromegaly. Halse J, et al. *Acta Endocrinol (Copenh)* 89(3):483-91, Nov 78
- A heterologous radioimmunoassay for avian prolactin: application to the measurement of prolactin in the turkey. McNeilly AS, et al. *Acta Endocrinol (Copenh)* 89(1):60-9, Sep 78
- Effect of pyridoxine on plasma levels of HGH, PRL, and TSH in normal women. Peters F, et al. *Acta Endocrinol (Copenh)* 89(2):217-20, Oct 78
- Hormonal and metabolic responses to intravenous glucose in children on regular hemodialysis. El-Bishti MM, et al. *Am J Clin Nutr* 31(10):1865-9, Oct 78
- Relationship of plasma lipids to renal function and length of time on maintenance hemodialysis. Frank WM, et al. *Am J Clin Nutr* 31(10):1886-92, Oct 78
- First 24 hours of acute pancreatitis. A biochemical and endocrine evaluation of initial versus repeated attacks. Drew SI, et al. *Am J Gastroenterol* 70(1):66-72, Jul 78
- Deranged anterior pituitary responsiveness to hypothalamic hormones in depressed patients. Brambilla F, et al. *Arch Gen Psychiatry* 35(10):1231-8, Oct 78
- Withdrawal from long-term high-dose desipramine therapy. Clinical and biological changes. Brown GM, et al. *Arch Gen Psychiatry* 35(10):1261-4, Oct 78
- The effect of methylphenidate on serum growth hormone: influence of antipsychotic drugs and diagnosis. Janowsky DS, et al. *Arch Gen Psychiatry* 35(11):1384-9, Nov 78
- Hormonal responses of sedentary and exercising men to recurrent heat exposure. Francesconi RP, et al. *Aviat Space Environ Med* 49(9):1102-6, Sep 78
- Possible involvement of growth hormone in the pathogenesis of early neonatal hypocalcemia in infants of diabetic mothers. Bergman L, et al. *Biol Neonate* 34(1-2):72-9, 1978
- Thyrotropin, prolactin and growth hormone response to synthetic thyrotropin-releasing hormone in newborn infants. Delitala G, et al. *Biol Neonate* 33(5-6):236-9, 1978
- Plasma bromocriptine levels, clinical and growth hormone responses in Parkinsonism. Price P, et al. *Br J Clin Pharmacol* 6(4):303-9, Oct 78
- Changes in the distribution of non-neuronal elements in rat median eminence and in anterior pituitary hormone secretion after activation of tuberoinfundibular dopamine neurones by brain stimulation or nicotine. Lichtensteiger W, et al. *Brain Res* 157(1):73-88, 17 Nov 78
- Effects of acute administration of monosodium-L-glutamate (MSG), atropine or haloperidol on anterior pituitary hormone secretion in the rat. Nemeroff CB, et al. *Brain Res* 156(1):198-201, 3 Nov 78
- Hypothalamic-pituitary responses to intracranial self-stimulation in the rat. Terry LC, et al. *Brain Res* 157(1):89-104, 17 Nov 78
- Endocrine effects of alcohol. Wright J. *Clin Endocrinol Metab* 7(2):351-67, Jul 78
- Structure activity studies on somatostatin. Sarantakis D, et al. *Clin Endocrinol (Oxf)* 5 Suppl:275S-278S, 1976
- Neuroendocrine correlates of clinical response during withdrawal from chlordiazepoxide. Brown WA, et al. *Commun Psychopharmacol* 2(3):251-4, 1978
- Somatostatin in maturity-onset diabetes. Christensen SE, et al. *Diabetes* 27(10):1013-9, Oct 78
- The regulation of plasma ketone body concentration by counter-regulatory hormones in man. II. Effects of growth hormone in diabetic man. Schade DS, et al. *Diabetes* 27(9):916-24, Sep 78
- Chemical diabetes in childhood. Integrated concentrations of glucose, insulin, and growth hormone. Winter RJ, et al. *Diabetes* 27(9):909-15, Sep 78
- Insulin action on glucose uptake into skeletal muscle: inhibition of endogenous biosynthesis of prostaglandins. Dietze G, et al. *FEBS Lett* 92(2):294-8, 15 Aug 78
- [des-Ala<sup>1</sup>, Gly<sup>2</sup>]-His<sup>4</sup>,5D-Trp<sup>8</sup>-somatostatin: a glucagon-specific and long-acting somatostatin analog. Sarantakis D, et al. *FEBS Lett* 92(2):153-5, 15 Aug 78
- Concentrations of certain hormones in the blood of human males subjected to steady-state noise. pp. 270-3. Favino A. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Endocrine responses to malnutrition in man. pp. 321-9. Jaya Rao KS. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (38 ref.)
- Endocrine responses to malnutrition in animals with special reference to metabolic hormones. pp. 313-20. Leatham J. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Human growth hormone secretion in responses to cold and heat. pp. 302-4. Okada Y, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Endocrine concomitants of the sleep-wake rhythm in man. pp. 124-31. Quabbe HJ. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (34 ref.)
- Hypothalamo-pituitary-testicular axis in men undergoing chronic intermittent hemodialysis. Kawamura J, et al. *Int J Artif Organs* 1(5):224-30, Sep 78
- Decreased insulin sensitivity of forearm muscle in myotonic dystrophy. Moxley RT III, et al. *J Clin Invest* 62(4):857-67, Oct 78
- Insulin binding and insulin sensitivity in isolated growth hormone deficiency. Soman V, et al. *N Engl J Med* 299(19):1025-30, 9 Nov 78
- Hypothalamus-pituitary function in amenorrhea-galactorrhea syndrome. Delitala G, et al. *Panminerva Med* 20(2):89-96, Apr-Jun 78
- Effect of anorexiants on growth hormone secretion in obese children. Baritussio A, et al. *Pharmacol Res Commun* 10(6):529-40, Jun 78
- Neuroendocrine responses to benzomorphans (cyclozine, ketocyclozine and WIN 35, 197-2) in the rat. Murray GM, et al. *Proc West Pharmacol Soc* 21:371-5, 1978
- Cardiovascular reactions during psychiatric interview in twins discordant and concordant with respect to ischemic heart disease. de Faire U, et al. *Prog Clin Biol Res* 24A:63-8, 1978
- Clonidine-induced increase in serum growth hormone: possible role of epinephrine-mediated synapses. Gold MS, et al. *Psychoneuroendocrinology* 3(2):187-94, Apr 78
- Effect of dopamine and neuroleptics on plasma growth hormone and prolactin in normal men. Langer G, et al. *Psychoneuroendocrinology* 3(2):165-9, Apr 78
- Studies of growth hormone (GH), thyrotropin (TSH) and prolactin (PRL) secretion in anorexia nervosa. Macaron C, et al. *Psychoneuroendocrinology* 3(2):181-5, Apr 78
- Comparison of oral and intravenous methylphenidate. Janowsky DS, et al. *Psychopharmacology (Berlin)* 59(1):75-8, 15 Sep 78
- [Prolonged pregnancy] Katsulov A. *Akush Ginekol (Sofia)* 17(4):288-95, 1978 (56 ref.) (Bul)
- [Effect of insulin on the amount of somatotrophic hormone, immunoreactive insulin, blood sugar and free fatty acids in sheep] Nesterov N, et al. *Vet Med Nauki* 15(2):15-20, 1978 (Eng. Abstr.) (Bul)
- [Adaptation of blood sugar regulation during muscular activity. Effects of training] Bopp J, et al. *C R Soc Biol (Paris)* 172(2):245-50, 1978 (Eng. Abstr.) (Fre)
- [Diagnostic means to exclude deficient secretion of growth hormone in paediatric practice (author's transl)] Butenandt O, et al. *Klin Paediatr* 190(5):460-4, Sep 78 (Eng. Abstr.) (Ger)
- [Clinical studies on the abnormality of glucose tolerance in acute stage of cerebrovascular diseases (author's transl)] Maruyama T. *Fukuoka Igaku Zasshi* 69(6):251-67, 25 Jun 78 (Eng. Abstr.) (Jpn)
- [Effects of various amines and amino acids on hypothalamic somatostatin volume] Hosoki H, et al. *Horumon To Rinsho* 26(6):529-32, Jun 78 (Jpn)
- [Experimental and clinical evaluations of the determination of human growth hormone using Phadebas hGH PRIST Kit] Kojima K, et al. *Horumon To Rinsho* 26(8):795-9, Aug 78 (Jpn)
- [Experimental studies of HGH-RIA kit (S-8540) by a solid phase method] Takeda N, et al. *Horumon To Rinsho* 26(6):623-8, Jun 78 (Jpn)
- [Growth hormone secretion and somatostatin] Wakabayashi K, et al. *Horumon To Rinsho* 26(6):524-8, Jun 78 (Jpn)
- [The effect of Ritalin, CB-154 and various drugs of serum GH in acromegalics (author's transl)] Kanatsuka A, et al. *Nippon Naibunpi Gakkai Zasshi* 54(5):636-47, 20 May 78 (Eng. Abstr.) (Jpn)
- [Growth hormone level dynamics in acromegaly in response to glucose load and measured bicycle ergometry] Kiandarian GG, et al. *Probl Endocrinol (Mosk)* 24(5):37-9, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Changes in the quality of hormones in blood plasma and ischemic heart disease risk factors in 40-59-year-old men] Gerasimova EN, et al. *Vopr Med Khim* 24(5):657-66, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Somatotrophic function of the adenohypophysis in thymus hyperplasia in children] Kurbanov TG, et al.



- Vopr Okhr Materin Det 23(10):56-8, Oct 78 (Rus)  
 [Growth hormone and insulin in the blood in pancreatic cancer during the glucose tolerance test] Shlimovich PB, et al. Vopr Onkol 24(9):88-91, 1978 (Rus)  
 [Growth hormone in patients with diabetes mellitus of the juvenile type] Navarro Rizo JL, et al. Bol Med Hosp Infant Mex 35(6):1093-107, Nov-Dec 78 (Eng. Abstr.) (Spa)  
 [Levels of somatotrophic hormone in plasma and growth changes in patients with cystic fibrosis] Rubio Pérez P, et al. Rev Clin Esp 149(3):229-32, 15 May 78 (Eng. Abstr.) (Spa)

## DEFICIENCY

- Prevalence of growth hormone deficiency in children with cleft lip or palate. Rudman D, et al. J Pediatr 93(3):378-82, Sep 78  
 Insulin binding and insulin sensitivity in isolated growth hormone deficiency. Soman V, et al. N Engl J Med 299(19):1025-30, 9 Nov 78  
 [Diagnostic means to exclude deficient secretion of growth hormone in paediatric practice (author's transl)] Butenandt O, et al. Klin Paediatr 190(5):460-4, Sep 78 (Eng. Abstr.) (Ger)

## DIAGNOSTIC USE

- The regulation of plasma ketone body concentration by counter-regulatory hormones in man. II. Effects of growth hormone in diabetic man. Schade DS, et al. Diabetes 27(9):916-24, Sep 78

## IMMUNOLOGY

- Immunocytochemical identification of rat growth hormone cells utilizing antisera to nonmammalian growth hormones. McGill JR, et al. Gen Comp Endocrinol 35(3):342-5, Jul 78  
 [Hormonal control of immune reactivity] Dimitrov V, et al. Vutr Boles 17(4):8-15, 1978 (78 ref.) (Bul)

## METABOLISM

- Pharmacology and neurochemistry of apomorphine. Di Chiara G, et al. Adv Pharmacol Chemother 15:87-160, 1978 (461 ref.)  
 Amino acid transport in vitamin B6-deficient rats: dependence on growth hormone supply. Heindel JJ, et al. Am J Physiol 235(3):E316-23, Sep 78  
 Effects of serotonin neurotoxins on pituitary hormone release. Clemens JA. Ann NY Acad Sci 305:399-410, 12 Jun 78  
 Biologic activities of beta-endorphin and its related peptides. Loh HH, et al. Ann NY Acad Sci 297:115-30, 28 Oct 77  
 A survey of the hormonal factors that control calcium metabolism. MacIntyre I, et al. Ann NY Acad Sci 307:345-55, 28 Apr 78 (15 ref.)  
 Role of microtubules in the intracellular transport of growth hormone. Howell SL, et al. Cell Tissue Res 190(1):163-71, 26 Jun 78  
 Hormonal control of liver prolactin receptors. Kelly PA, et al. Curr Top Mol Endocrinol 3:321-35, 1976 (27 ref.)  
 The uptake and degradation of growth hormone fragments by isolated rat hepatocytes. Donner DB, et al. J Biol Chem 253(19):6717-23, 10 Oct 78  
 Endocrine function in a patient with asymmetrical acral hypertrophy and gigantism: a possible variant of the Kippel-Trenaunay syndrome. Mims RB. J Natl Med Assoc 70(2):125-8, Feb 78  
 Loss of immunological and biological activity of insulin with a human muscle extract. Herrera-Justiniano E, et al. Rev Esp Fisiol 34(2):131-5, Jun 78  
 [Anorexia nervosa: disturbed endocrine regulation] Krans HM. Ned Tijdschr Geneesk 122(40):1531-3, 7 Oct 78 (Dut)

## PHARMACODYNAMICS

- Nerve growth factor induced turnover of phosphatidylinositol in rat superior cervical ganglia. Lakshmanan J. Biochem Biophys Res Commun 82(3):767-75, 14 Jun 78  
 Insulin action on Escherichia coli. Regulation of the adenylate cyclase and phosphotransferase enzymes. Abou-Sabbé M, et al. Biochim Biophys Acta 542(3):442-55, 6 Sep 78  
 Effects of insulin, human placental lactogen and human growth hormone of DNA synthesis in organ cultures of benign human breast tumours. Welsch CW, et al. Br J Cancer 38(2):258-62, Aug 78  
 Vasopressin stimulation of acetate incorporation into lipids in a dimethylbenz(a)anthracene-induced rat mammary tumor cell line. Monaco ME, et al. Cancer Res 38(11 Pt

- 2):4101-4, Nov 78  
 Role of prostaglandins (PGs) in the control of adenohipophyseal hormone secretion. McCann SM, et al. Curr Top Mol Endocrinol 3:21-35, 1976 (36 ref.)  
 The diabetogenic activity of fragments of human growth hormone in obese (ob/ob) mice. Reagan CR. Diabetes 27(9):883-8, Sep 78  
 Somatotrophic diabetes: insulin release responses to arginine and glucagon in dogs. Campbell J, et al. Diabetologia 15(3):205-12, Sep 78  
 Insulin secretion from pancreatic islets: effect of growth hormone and related proteins. Larson BA, et al. Diabetologia 15(2):129-32, Aug 78  
 Production of somatomedin activity in vitro in the presence of growth hormone and cycloheximide. Liberti JP. J Endocrinol 78(2):289-90, Aug 78  
 [Somatotropin, antidote against phalloidin (author's transl)] Schimassek H, et al. Cytohiologie 17(1):84-93, Jun 78 (Eng. Abstr.) (Ger)  
 [Effects of various endocrinous treatments and differentiation on the somatostatin volume in the rat hypothalamus] Kanda K, et al. Horumon To Rinsho 26(6):533-6, Jun 78 (Jpn)  
 [Effects of growth hormone administration on the somatostatin content of the hypothalamus] Kanezuka H, et al. Horumon To Rinsho 26(6):587-8, Jun 78 (Jpn)

## PHYSIOLOGY

- Growth hormone, somatomedins, and growth failure. Van Wyk JJ, et al. Hosp Pract 13(8):57-67, Aug 78  
 Hormonal regulation of membrane receptors and cell responsiveness: a review. Tell GP, et al. Metabolism 27(10):1566-92, Oct 78

## SECRETION

- Response of acromegaly to long term bromocriptine therapy: a biochemical and clinical assessment. Clayton RN, et al. Acta Endocrinol (Copenh) 89(3):469-82, Nov 78  
 Specific subclones derived from a multipotential clone of rat anterior pituitary cells. Shiino M, et al. Am J Anat 153(1):81-95, Sep 78  
 Insulin and growth hormone secretion in dialyzed children: influence of dietary manipulation. Broyer M, et al. Am J Clin Nutr 31(10):1876-90, Oct 78  
 Neuroendocrine consequences of chemical adolectomy. Jacoby JH, et al. Ann NY Acad Sci 305:387-98, 12 Jun 78 (123 ref.)  
 Control of anterior pituitary function. Locke W. Arch Intern Med 138(10):1541-5, Oct 78  
 Ultrastructural studies on prolactin and growth hormone cells in Anguilla pituitaries in long term cultures. Benjamin M, et al. Cell Tissue Res 191(1):161-70, 13 Jul 78  
 Pharmacology of hypothalamic regulatory peptides. Vale W, et al. Clin Endocrinol (Oxf) 5 Suppl:261S-273S, 1976 (41 ref.)  
 In vivo methods for studying the action of hypothalamic hormones with special reference to their antisera as tools for investigation. Arimura A. Curr Top Mol Endocrinol 3:387-96, 1976 (25 ref.)  
 Clinical implications of growth hormone release inhibiting hormone (GH-RIH). Besser GM. Curr Top Mol Endocrinol 3:115-25, 1976 (19 ref.)  
 Analogs of somatostatin. Part B. In vivo activities: prolongation of action with protamine zinc. Brazeau P, et al. Curr Top Mol Endocrinol 3:379-86, 1976  
 Analogs of somatostatin. Part A. Chemistry and in vitro results. Immer H, et al. Curr Top Mol Endocrinol 3:373-8, 1976  
 Applications of adenohipophyseal cell cultures to neuroendocrine studies. Vale W, et al. Curr Top Mol Endocrinol 3:397-429, 1976 (72 ref.)  
 Episodic GH secretion: evidence for a hypothalamic dopaminergic mechanism. Willoughby JO, et al. Curr Top Mol Endocrinol 3:303-20, 1976  
 Effect of adrenaline and adrenergic active drugs on growth hormone secretion in immature cockerels. Harvey S, et al. Experientia 34(8):1096-7, 15 Aug 78  
 Human pituitary growth hormone cells in old age. Calderon L, et al. Gerontology 24(6):441-7, 1978  
 Growth hormone hypersecretion and acromegaly. Daughaday WH, et al. Hosp Pract 13(8):75-80, Aug 78  
 Growth hormone, somatomedins, and growth failure. Van Wyk JJ, et al. Hosp Pract 13(8):57-67, Aug 78  
 Growth hormone, prolactin and cortisol responses and growth patterns in hyperkinetic children treated with dextro-amphetamine. Preliminary findings. Puig-Antich J, et al. J Am Acad Child Psychiatry 17(3):457-75, Summer 78  
 A comparison of the effects of anti-psychotic drugs on

- pituitary, striatal and limbic system post-synaptic dopamine receptors. Meltzer HY, et al. *Life Sci* 23(6):605-9, 14 Aug 78 (26 ref.)
- On the mechanism of hyperglycemia and stimulation of growth hormone secretion by L-dopa. Hampshire J, et al. *Pharmacology* 17(3):138-48, 1978
- Role of brain monoamines and histamine in regulation of anterior pituitary secretion. Weiner RI, et al. *Physiol Rev* 58(4):905-76, Oct 78 (509 ref.)
- Psychoendocrinology and growth hormone: a review. Brown GM, et al. *Psychoneuroendocrinology* 3(2):131-53, Apr 78 (112 ref.)
- [The effect of anesthetics on the basal secretion of immunoreactive growth hormone in rats] Bluet-Pajot MT, et al. *C R Acad Sci [D] (Paris)* 286(23):1707-10, 12 Jun 78 (Eng. Abstr.) (Fre)
- [Circadian rhythms in man. Their incidence in endocrinology (author's transl)] Mainard F, et al. *Pathol Biol (Paris)* 26(5):255-64, May-Jun 78 (93 ref.) (Eng. Abstr.) (Fre)
- [Practical value of new knowledge on the structure and function of pituitary adenomas] Landolt AM. *Schweiz Med Wochenschr* 108(40):1521-35, 7 Oct 78 (76 ref.) (Eng. Abstr.) (Ger)
- [Action mechanism of somatostatin in growth hormone secretion] Kimura N, et al. *Horumon To Rinsho* 26(6):575-7, Jun 78 (Jpn)
- [Growth hormone secretion and somatostatin] Wakabayashi K, et al. *Horumon To Rinsho* 26(6):524-8, Jun 78 (Jpn)
- [Clinical observation of growth hormone dynamics in hypothalamo-pituitary disorders (author's transl)] Miyashita M, et al. *Rinsho Byori* 26(6):471-7, Jun 78 (Jpn)
- [Growth hormone level dynamics in acromegaly in response to glucose load and measured bicycle ergometry] Kiandarian GG, et al. *Prohl Endokrinol (Mosk)* 24(5):37-9, Sep-Oct 78 (Eng. Abstr.) (Rus)

## THERAPEUTIC USE

- Growth hormone, somatomedins, and growth failure. Van Wyk JJ, et al. *Hosp Pract* 13(8):57-67, Aug 78
- Insulin binding and insulin sensitivity in isolated growth hormone deficiency. Soman V, et al. *N Engl J Med* 299(19):1025-30, 9 Nov 78
- [Somatotropin, antidote against phalloidin (author's transl)] Schimassek H, et al. *Cytohiologie* 17(1):84-93, Jun 78 (Eng. Abstr.) (Ger)

## THYROTROPIN

- Structure of the Adenohypophysis in parturient female and neonate harp seals, *Pagophilus groenlandicus*. Leatherland JF, et al. *Cell Tissue Res* 192(2):341-57, 5 Sep 78

## ADMINISTRATION &amp; DOSAGE

- American Academy of Pediatrics. Committee on Drugs. Treatment of congenital hypothyroidism. *Pediatrics* 62(3):413-7, Sep 78

## ANALYSIS

- Studies on a human chorionic gonadotrophin-like material present in non-pregnant subjects. Robertson DM, et al. *Acta Endocrinol (Copenh)* 89(3):492-505, Nov 78
- Discrimination of LH, FSH, TSH and ACTH in dissociated porcine anterior pituitary cells by light and electron microscope immunocytochemistry. Batten TF, et al. *Cell Tissue Res* 192(1):107-20, 25 Aug 78
- Detection of bovine serum albumin interference in radioimmunoassay systems [letter] Shearer MR, et al. *Clin Chem* 24(10):1857-8, Oct 78

## ANTAGONISTS &amp; INHIBITORS

- The role of cyclic GMP in the action of carbamylcholine on the cycli AMP level in the dog thyroid. Champion S, et al. *FEBS Lett* 92(2):156-8, 15 Aug 78
- [Clinical use of synthetic thyroliberin (thyrotropin-releasing factor)] Starkova NT, et al. *Prohl Endokrinol (Mosk)* 24(5):103-10, Sep-Oct 78 (Rus)

## BLOOD

- Importance of thyroid iodine and cyclic AMP, and TSH concentrations on goitre formation in rats. Berthier C, et al. *Acta Endocrinol (Copenh)* 89(3):567-79, Nov 78
- Effects of substitution with thyroxine on the thyrotrophin (TSH) response to thyrotrophin-releasing hormone (TRH)

- in severe primary myxoedema and in mild hypothyroidism following prolonged thyrostatic therapy. Fischer HR, et al. *Acta Endocrinol (Copenh)* 89(2):303-15, Oct 78
- The influence of chronic renal failure on serum and urinary thyroid hormone levels. Kølendorf K, et al. *Acta Endocrinol (Copenh)* 89(1):80-8, Sep 78
- A heterologous radioimmunoassay for avian prolactin: application to the measurement of prolactin in the turkey. McNeilly AS, et al. *Acta Endocrinol (Copenh)* 89(1):60-9, Sep 78
- Neurotransmitter control of thyrotrophin secretion in hypothyroid rats. Männistö PT, et al. *Acta Endocrinol (Copenh)* 89(1):100-7, Sep 78
- Effect of pyridoxine on plasma levels of GHG, PRL, and TSH in normal women. Peters F, et al. *Acta Endocrinol (Copenh)* 89(2):217-20, Oct 78
- Possible role of hyperammonaemia and/or of portosystemic shunts on the variability of the TSH response to TRH in cirrhotic patients. Schlienger JL, et al. *Acta Endocrinol (Copenh)* 89(2):284-95, Oct 78
- Combined effect of pimoide and thyroliberin (TRH) on serum prolactin and thyroid stimulating hormone (TSH) in man. Linnoila M, et al. *Acta Pharmacol Toxicol (Copenh)* 43(1):72-4, Jul 78
- Thyroid function tests simulating Graves' disease in alcoholic hepatitis. Stuart DD, et al. *Ann Intern Med* 89(4):514-5, Oct 78
- Reverse triiodothyronine, thyroid hormone, and thyrotrophin concentrations in placental cord blood. Byfield PG, et al. *Arch Dis Child* 53(8):620-4, Aug 78
- Deranged anterior pituitary responsiveness to hypothalamic hormones in depressed patients. Brambilla F, et al. *Arch Gen Psychiatry* 35(10):1231-8, Oct 78
- Effect of thyroid hormone, actinomycin D, cycloheximide and puromycin on TRH-induced secretion of TSH, as studied by pituitary concentration of cyclic AMP and intrathyroidal colloid droplet formation. Kotani M, et al. *Arch Int Pharmacodyn Ther* 234(1):145-55, Jul 78
- Thyrotrophin, prolactin and growth hormone response to synthetic thyrotrophin-releasing hormone in newborn infants. Delitala G, et al. *Biol Neonate* 33(5-6):236-9, 1978
- Hypothalamo-pituitary-thyroid function in anorexia nervosa: influence of weight gain. Leslie RD, et al. *Br Med J* 2(6136):526-8, 19 Aug 78
- Effects of acute administration of monosodium-L-glutamate (MSG), atropine or haloperidol on anterior pituitary hormone secretion in the rat. Nemeroff CB, et al. *Brain Res* 156(1):198-201, 3 Nov 78
- Determination of a trivariate reference region for free thyroxine index, free triiodothyronine index, and thyrotrophin from results obtained in a health survey of middle-aged women. Kågedal B, et al. *Clin Chem* 24(10):1744-50, Oct 78
- Thyroid function in early sub-acute thyroiditis. Górowski T, et al. *Clin Endocrinol (Oxf)* 9(2):175-8, Aug 78
- Gonadotrophin, thyrotrophin and prolactin reserve in beta thalassaemia. Landau H, et al. *Clin Endocrinol (Oxf)* 9(2):163-73, Aug 78
- Bromocriptine suppression of the thyrotrophin response to thyrotrophin releasing hormone. Yap PL, et al. *Clin Endocrinol (Oxf)* 9(2):179-83, Aug 78
- Oral administration of thyrotrophin-releasing hormone (TRH) in the diagnosis of thyreopathies. Felt V, et al. *Czech Med* 1(3):162-8, 1978
- Changes of serum and pituitary TSH, LH and FSH concentrations following the slow infusion of TRH and LRH. Soji T. *Endocrinol Jpn* 25(3):231-6, Jun 78
- Effects of anticonvulsant drugs on thyroid hormones in epileptic children. Fichsel H, et al. *Epilepsia* 19(4):323-36, Aug 78
- Plasma triiodothyronine, thyroxine and thyrotrophin levels in germfree rats. Ukai M, et al. *Experientia* 34(8):1095-6, 15 Aug 78
- Concentrations of certain hormones in the blood of human males subjected to steady-state noise. pp. 270-3. Favino A.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Endocrine concomitants of the sleep-wake rhythm in man. pp. 124-31. Quabbe HJ.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (34 ref.)
- Effects of exercise, altitude, and food on blood hormone and metabolite levels. Stock MJ, et al. *J Appl Physiol* 45(3):350-4, Sep 78
- Lithium and hypothyroidism. Piziak VK, et al. *J Clin Psychiatry* 39(9):709-11, Sep 78
- Serum thyrotrophin, thyroxine, and tri-iodothyronine in dairy cows fed varying amounts of iodine. Convey EM, et al.



- J Dairy Sci** 61(6):771-5, Jun 78
- Effects of age and ovarian function on the pituitary-thyroid system in female rats. Chen HJ, et al. **J Endocrinol** 78(2):225-32, Aug 78
- Thyroid function tests for the practicing physician. Roubesh CP, et al. **J Indiana State Med Assoc** 71(9):837-9, Sep 78
- Hypercalcitoninism and C-cell hyperplasia in rats with goiters produced by a low iodine diet or propylthiouracil. Peng TC, et al. **J Pharmacol Exp Ther** 206(3):710-17, Sep 78
- Effect of apomorphine and pibedil on the secretion of thyrotropin and prolactin in patients with primary hypothyroidism. Masala A, et al. **Metabolism** 27(11):1608-12, Nov 78
- Suppression of serum thyrotropin (TSH) concentrations following thyroidectomy and cold exposure by passive immunization with antiserum to thyrotropin-releasing hormone (TRH) in rats. Mori M, et al. **Metabolism** 27(10):1485-90, Oct 78
- A comparison of thyroxine and desiccated thyroid in patients with primary hypothyroidism. Sawin CT, et al. **Metabolism** 27(10):1518-25, Oct 78
- Hypothalamo-pituitary function in amenorrhea-galactorrhea syndrome. Delitala G, et al. **Panminerva Med** 20(2):89-96, Apr-Jun 78
- Neuroendocrine responses to benzomorphans (cyclazocine, ketocyclazocine and WIN 35, 197-2) in the rat. Murray GM, et al. **Proc West Pharmacol Soc** 21:371-5, 1978
- Effect of prostaglandin F<sub>2</sub>alpha on ovarian and pituitary function in the mid-luteal phase. Kajanoja P, et al. **Prostaglandins** 16(2):327-32, Aug 78
- Response to thyrotropin-releasing hormone stimulation in young psychotic children: a pilot study. Campbell M, et al. **Psychoneuroendocrinology** 3(2):195-201, Apr 78
- Studies of growth hormone (GH), thyrotropin (TSH) and prolactin (PRL) secretion in anorexia nervosa. Macaron C, et al. **Psychoneuroendocrinology** 3(2):181-5, Apr 78
- [Transient hypothyroidism in 8 low birth weight newborns. Role of topical application of iodine chemicals] Malpuech G, et al. **Arch Fr Pediatr** 35(6):620-30, Jun-Jul 78 (Eng. Abstr.) (Fre)
- [Neonatal detection of hypothyroidism in the South-Pyrenean region. Results of 14,000 determinations of T4 in blood eluates collected on blotting-paper] Rochiccioli P, et al. **Arch Fr Pediatr** 35(6):589-94, Jun-Jul 78 (Eng. Abstr.) (Fre)
- [Regulation of the adenohypophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. IV. Somatostatin and somatotropin releasing hormones] Blech W. **Endokrinologie** 72(1):77-118, Apr 78 (240 ref.) (Ger)
- [Endocrine activities and ultrastructure of functioning nodular goiter] Ishida T, et al. **Horumon To Rinsho** 26(1):17-23, Jan 78 (Jpn)
- [Effects of clinically used drugs on pituitary hormone secretion] Kobayashi K, et al. **Horumon To Rinsho** 26(1):35-8, Jan 78 (Jpn)
- [Serum lipoproteins in hypothyroidism] Barańska H, et al. **Pol Tyg Lek** 33(30):1169-72, 24 Jul 78 (Eng. Abstr.) (Pol)
- [Low thyroid reserve. Present concepts and analysis of 19 cases] Leite AC, et al. **AMB** 24(6):215-8, Jun 78 (Eng. Abstr.) (Por)
- [Interaction between the hypothalamo-hypophyseal system and the thyroid gland during different age periods] Frol'kis VV, et al. **Biull Eksp Biol Med** 86(8):133-7, Aug 78 (Eng. Abstr.) (Rus)
- [Hypothalamo-hypophyseal-thyroid relationship in patients with Itsenko-Cushing disease treated with chloditan] Slavnov VN, et al. **Klin Med (Mosk)** 56(8):65-70, Aug 78 (Eng. Abstr.) (Rus)
- [Hypothalamo-hypophyseal-thyroid axis in the aged] Mollerach F, et al. **Medicina (B Aires)** 38(3):276-80, May-Jun 78 (Eng. Abstr.) (Spa)
- [Screening for congenital hypothyroidism in neonates in the county of Västerbotten] Engberg S, et al. **Lakartidningen** 75(35):2954-6, 30 Aug 78 (Eng. Abstr.) (Swe)
- [Screening for congenital hypothyroidism: when, where and how?] Larsson A. **Lakartidningen** 75(35):2941-3, 30 Aug 78 (Swe)

## DEFICIENCY

- Prevalence of growth hormone deficiency in children with cleft lip or palate. Rudman D, et al. **J Pediatr** 93(3):378-82, Sep 78

## DIAGNOSTIC USE

- Thyroid function in early sub-acute thyroiditis. Górowski T, et al. **Clin Endocrinol (Oxf)** 9(2):175-8, Aug 78

## IMMUNOLOGY

- Evidence that the TSH receptor acts as a mitogenic antigen in Graves' disease. Mäkinen T, et al. **Nature** 275(5678):314-5, 28 Sep 78

## METABOLISM

- Importance of thyroid iodine and cyclic AMP, and TSH concentrations on goitre formation in rats. Berthier C, et al. **Acta Endocrinol (Copenh)** 89(3):567-79, Nov 78
- Inhibition of thyrotropin binding to human thyroid plasma membranes by thyroid hormones and 'reverse triiodothyronine'. Kielczyński W, et al. **Biochem Biophys Res Commun** 82(3):811-9, 14 Jun 78
- Structure: function studies of receptors for thyrotropin and tetanus toxin: lipid modulation of effector binding to the glycoprotein receptor component. Lee G, et al. **Biochem Biophys Res Commun** 83(1):313-20, 14 Jul 78
- The effect of intravenous heparin infusions on the thyroid stimulating hormone response to thyrotropin releasing hormone. Thomson JE, et al. **Br J Clin Pharmacol** 6(3):239-42, Sep 78
- Relationships of the structure and function of the interferon receptor to hormone receptors and establishment of the antiviral state. Grollman EF, et al. **Cancer Res** 38(11 Pt 2):4172-85, Nov 78 (65 ref.)
- Pharmacology of hypothalamic regulatory peptides. Vale W, et al. **Clin Endocrinol (Oxf)** 5 Suppl:261S-273S, 1976 (41 ref.)
- Changes of serum and pituitary TSH, LH and FSH concentrations following the slow infusion of TRH and LRH. Soji T. **Endocrinol Jpn** 25(3):231-6, Jun 78
- Experimental studies concerning the mechanism of the thyroid-pineal interrelationship. II. Action of the pineal peptides on the pituitary TSH reserve and hypothalamic content of TRH in MTU-treated rats. Negoescu I, et al. **Endocrinologie** 16(3):199-204, Jul-Sep 78
- Precursor-product relationships in the biosynthesis and secretion of thyrotropin and its subunits by mouse thyrotropic tumor cells. Weintraub BD, et al. **FEBS Lett** 92(2):303-7, 15 Aug 78
- Continuation therapy in endogenous depression controlled by changes in the TRH stimulation test. Kirkegaard C, et al. **Psychol Med** 8(3):501-3, Aug 78
- Interferon and glycoprotein hormones. Friedman RM, et al. **Tex Rep Biol Med** 35:326-9, 1977 (24 ref.)
- [Thyroid and hypophyseal steroid secretion in hydatidiform mole] Decocq J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(3 Pt 2):744-6, Apr 78 (Fre)

## PHARMACODYNAMICS

- Effects of chronic TSH treatment on blood sugar, serum IRI and FFA levels of thyroidectomized dogs. Glucose and insulin tolerance tests. Renaud A, et al. **Acta Diabetol Lat** 15(3-4):119-32, May-Aug 78
- Role of prostaglandins (PGs) in the control of adenohypophyseal hormone secretion. McCann SM, et al. **Curr Top Mol Endocrinol** 3:21-35, 1976 (36 ref.)
- Morphological changes on the free surface of thyroid cells at the hormone secretion by scanning electron microscopy. Kawada J, et al. **Endocrinol Jpn** 25(3):217-33, Jun 78
- The role of cyclic GMP in the action of carbamylcholine on the cycli AMP level in the dog thyroid. Champion S, et al. **FEBS Lett** 92(2):156-8, 15 Aug 78
- [Physiology of prolactin secretion. Analytic methods] Jaffiol C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 7(3 Pt 2):625-33, Apr 78 (Eng. Abstr.) (Fre)
- [Effect of bovine thyrotropin 'Aminon' on serum levels of triiodothyronine, thyroxine and cycl AMP] Halawa B, et al. **Wiad Lek** 31(12):813-6, 15 Jun 78 (Eng. Abstr.) (Pol)
- [Interaction between the hypothalamo-hypophyseal system and the thyroid gland during different age periods] Frol'kis VV, et al. **Biull Eksp Biol Med** 86(8):133-7, Aug 78 (Eng. Abstr.) (Rus)
- [Hypothalamo-hypophyseal-thyroid axis in the aged] Mollerach F, et al. **Medicina (B Aires)** 38(3):276-80, May-Jun 78 (Eng. Abstr.) (Spa)

## PHYSIOLOGY

- Hormonal regulation of membrane receptors and cell responsiveness: a review. Tell GP, et al. **Metabolism** 27(10):1566-92, Oct 78
- The assessment of thyroid function and structure. Bain J, et al. **Otolaryngol Clin North Am** 11(2):419-43, Jun 78 (27 ref.)

SECRETION

- Response of acromegaly to long term bromocriptine therapy: a biochemical and clinical assessment. Clayton RN, et al. *Acta Endocrinol (Copenh)* 89(3):469-82, Nov 78
- Effects of substitution with thyroxine on the thyrotrophin (TSH) response to thyrotrophin-releasing hormone (TRH) in severe primary myxoedema and in mild hypothyroidism following prolonged thyrostatic therapy. Fischer HR, et al. *Acta Endocrinol (Copenh)* 89(2):303-15, Oct 78
- Neurotransmitter control of thyrotrophin secretion in hypothyroid rats. Männistö PT, et al. *Acta Endocrinol (Copenh)* 89(1):100-7, Sep 78
- Possible role of hyperammonaemia and/or of portosystemic shunts on the variability of the TSH response to TRH in cirrhotic patients. Schlienger JL, et al. *Acta Endocrinol (Copenh)* 89(2):284-95, Oct 78
- Retarded biosynthesis of thyroglobulin subunits and their polymerization in vitro after suppression of TSH secretion in rats by chronic administration of excess thyroxine in the form of iodinated casein. Sinadinović J, et al. *Acta Endocrinol (Copenh)* 89(1):108-21, Sep 78
- Neuroendocrine consequences of chemical adolectomy. Jacoby JH, et al. *Ann NY Acad Sci* 305:387-98, 12 Jun 78 (123 ref.)
- Identification of the LH and TSH-secreting cells in the pituitary gland of the rhesus monkey. Herbert DC. *Cell Tissue Res* 190(1):151-61, 26 Jun 78
- Clinical implications of growth hormone release inhibiting hormone (GH-RIH). Besser GM. *Curr Top Mol Endocrinol* 3:115-25, 1976 (19 ref.)
- Applications of adenohipophyseal cell cultures to neuroendocrine studies. Vale W, et al. *Curr Top Mol Endocrinol* 3:397-429, 1976 (72 ref.)
- Episodic patterns of prolactin and thyrotrophin secretion in rams and wethers: influence of testosterone and diethylstilbestrol. Davis SL, et al. *J Anim Sci* 46(6):1724-9, Jun 78
- Inhibin from cultures of rat seminiferous tubules. Eddie LW, et al. *J Endocrinol* 78(2):217-24, Aug 78
- Suppression of serum thyrotrophin (TSH) concentrations following thyroidectomy and cold exposure by passive immunization with antiserum to thyrotrophin-releasing hormone (TRH) in rats. Mori M, et al. *Metabolism* 27(10):1485-90, Oct 78
- Regulation of TSH secretion in rats chronically exposed to heat (34 degrees C). Rousset B, et al. *Pfluegers Arch* 375(2):177-81, 18 Jul 78
- Role of brain monoamines and histamine in regulation of anterior pituitary secretion. Weiner RI, et al. *Physiol Rev* 58(4):905-76, Oct 78 (509 ref.)
- TSH and ACTH secretion and cyclic adenosine 3'5' monophosphate content following stimulation with TRH or lysine vasopressin in vitro: suppression by thyroxine and dexamethasone. Rose JC, et al. *Proc Soc Exp Biol Med* 158(4):524-9, Sep 78
- [Effect of endogenous glucocorticosteroids on TRH-induced TSH secretion] Naumczyk-Zaremba J, et al. *Endokrynol Pol* 29(4):289-5, Jul-Aug 78 (Eng. Abstr.) (Pol)
- [Clinical value of the TRH test in the study of hypophyseal reserve and differential diagnosis of hypothyroidism] Garay Salas E, et al. *Rev Clin Esp* 149(5):435-40, 15 Jun 78 (Eng. Abstr.) (Spa)
- [Clinical significance of the basal determinations of TSH and its response to TRH in the study of hyperthyroid patients treated with 1131I] Marañón González G, et al. *Rev Clin Esp* 149(5):429-33, 15 Jun 78 (Eng. Abstr.) (Spa)

THERAPEUTIC USE

- American Academy of Pediatrics. Committee on Drugs. Treatment of congenital hypothyroidism. *Pediatrics* 62(3):413-7, Sep 78
- Choice of preoperative treatment in hyperthyroidism. Heimann P. *World J Surg* 2(3):289-92, May 78

VASOPRESSINS

- Immunocytochemical evidence for vasopressin receptors. Castel M. *J Histochem Cytochem* 26(7):581-92, Jul 78

ADMINISTRATION & DOSAGE

- Storage of polyvinylpyrrolidone (PVP) in tissues following long-term treatment with a PVP-containing vasopressin preparation. Christensen M, et al. *Acta Med Scand*

204(4):295-8, 1978

- The effects of intra-arterial and intraportal injections of vasopressin on the simultaneously perfused hepatic arterial and portal venous vascular beds of the dog. Richardson PD, et al. *Circ Res* 43(4):496-503, Oct 78

- Plasma half-lives of vasopressin and oxytocin analogs after iv injection in rats. Gazis D. *Proc Soc Exp Biol Med* 158(4):663-5, Sep 78

ADVERSE EFFECTS

- Storage of polyvinylpyrrolidone (PVP) in tissues following long-term treatment with a PVP-containing vasopressin preparation. Christensen M, et al. *Acta Med Scand* 204(4):295-8, 1978

ANALYSIS

- Projections from the parvocellular vasopressin- and neurophysin-containing neurons of the suprachiasmatic nucleus. Sofroniew MV, et al. *Am J Anat* 153(3):391-429, Nov 78
- Vasopressin and corticotropin-releasing factor: an axonal pathway to portal capillaries in the zona externa of the median eminence containing vasopressin and its interaction with adrenal corticoids. Zimmerman EA, et al. *Ann NY Acad Sci* 297:405-19, 28 Oct 77
- The functional and structural border of the neurohemal region of the median eminence. Krusch B, et al. *Cell Tissue Res* 192(2):327-39, 5 Sep 78
- The distribution of neurophysins and posterior pituitary hormones in the porcine neurohypophyseal system. Dax EM, et al. *J Neurochem* 31(4):853-60, Oct 78

ANTAGONISTS & INHIBITORS

- Lithium-induced diuretic effect of antidiuretic hormone in rats. Dousa TP, et al. *Am J Physiol* 231(6):1754-9, Dec 76

BLOOD

- Vasopressin in the rat with spontaneous hypertension. Crofton JT, et al. *Am J Physiol* 235(4):H361-6, Oct 78
- Attenuated pressor responses to intracranially injected stimuli and altered antidiuretic activity following preoptic-hypothalamic periventricular ablation. Johnson AK, et al. *Brain Res* 157(1):161-6, 17 Nov 78
- Effect of endotoxin shock on renal and hormonal functions. Oyama T, et al. *Can Anaesth Soc J* 25(5):380-91, Sep 78
- Role of plasma vasopressin in impaired water excretion of glucocorticoid deficiency. Boykin J, et al. *J Clin Invest* 62(4):738-44, Oct 78
- Plasma half-lives of vasopressin and oxytocin analogs after iv injection in rats. Gazis D. *Proc Soc Exp Biol Med* 158(4):663-5, Sep 78
- [Effects of endotoxin shock on endocrine system and renal function in dogs (author's transl)] Kondo S. *Masui* 27(10):1036-46, Oct 78 (Eng. Abstr.) (Jpn)
- [Effect of steroids on hormones and renal function in endotoxin shock (author's transl)] Satoh Y. *Masui* 27(9):918-28, Sep 78 (Eng. Abstr.) (Jpn)
- [Effect of dopamine on renal and endocrine functions during canine endotoxin shock (author's transl)] Wakayama S. *Masui* 27(7):684-93, Jul 78 (Eng. Abstr.) (Jpn)

METABOLISM

- Inhibition of menstrual uterine motility during water diuresis. Cobo E, et al. *Am J Obstet Gynecol* 132(3):313-20, 1 Oct 78
- Lithium-induced diuretic effect of antidiuretic hormone in rats. Dousa TP, et al. *Am J Physiol* 231(6):1754-9, Dec 76
- Electrophysiological indications of a 'vasopressinergic' innervation of the median eminence. Blume HW, et al. *Brain Res* 155(1):153-8, 20 Oct 78
- Intra- and extrahypothalamic vasopressin and oxytocin pathways in the rat. Pathways to the limbic system, medulla oblongata and spinal cord. Buijs RM. *Cell Tissue Res* 192(3):423-35, 26 Sep 78
- The hypothalamic magnocellular system of the rhesus monkey: an immunocytochemical study. Antunes JL, et al. *J Comp Neurol* 181(3):539-65, 1 Oct 78
- Modulation of vasopressin release from the neurohypophysis by the intact neuron. Mathison R, et al. *Proc West Pharmacol Soc* 21:257-60, 1978
- [Anorexia nervosa: disturbed endocrine regulation] Krans HM. *Ned Tijdschr Geneesk* 122(40):1531-3, 7 Oct 78 (Dut)
- [Endocrine-metabolic surveillance following surgery of the hypothalamo-hypophyseal system] Beaufils F, et al.



Anesth Analg (Paris) 35(2):301-6, Mar-Apr 78 (Fre)

## PHARMACODYNAMICS

- The distribution of hormone-sensitive adenylate cyclase in rat kidney and the interaction of hormones in activating the enzyme. Nagata N, et al. *Acta Endocrinol (Copenh)* 89(2):404-16, Oct 78
- Inhibition of menstrual uterine motility during water diuresis. Cobo E, et al. *Am J Obstet Gynecol* 132(3):313-20, 1 Oct 78
- Lithium-induced diuretic effect of antidiuretic hormone in rats. Dousa TP, et al. *Am J Physiol* 231(6):1754-9, Dec 76
- Tetracycline-induced inhibition of Na<sup>+</sup> transport in the toad urinary bladder. Guzzo J, et al. *Am J Physiol* 235(4):F359-66, Oct 78
- Antidiuretic hormone increases renal prostaglandin synthesis in vivo. Walker LA, et al. *Am J Physiol* 235(3):F180-5, Sep 78
- Cardiovascular reactivity in renal and spontaneously hypertensive rats. Kubo T. *Arch Int Pharmacodyn Ther* 234(1):49-57, Jul 78
- A cell strain cultured from porcine kidney increases cyclic AMP content upon exposure to calcitonin or vasopressin. Goldring SR, et al. *Biochem Biophys Res Commun* 83(2):434-40, 28 Jul 78
- Insulin action on *Escherichia coli*. Regulation of the adenylate cyclase and phosphotransferase enzymes. Abou-Sabe' M, et al. *Biochim Biophys Acta* 542(3):442-55, 6 Sep 78
- Vasopressin stimulation of acetate incorporation into lipids in a dimethylbenz(a)anthracene-induced rat mammary tumor cell line. Monaco ME, et al. *Cancer Res* 38(11 Pt 2):4101-4, Nov 78
- The effects of intra-arterial and intraportal injections of vasopressin on the simultaneously perfused hepatic arterial and portal venous vascular beds of the dog. Richardson PD, et al. *Circ Res* 43(4):496-503, Oct 78
- Vasopressin effects on plasma renin activity in male and female rats. Henderson IW, et al. *Clin Sci Mol Med* 55(3):301-7, Sep 78
- Channels in epithelial cell membranes and junctions. Diamond JM. *Fed Proc* 37(12):2639-43, Oct 78
- Mechanism of effect of hypoxia on renal water excretion. Anderson RJ, et al. *J Clin Invest* 62(4):769-77, Oct 78
- Effects of antidiuretic hormone upon electrical potential and resistance of apical and basolateral membranes of frog skin. Nagel W. *J Membr Biol* 42(2):99-122, 18 Sep 78
- Central cholinergic and noradrenergic stimulation in spontaneously hypertensive rats. Hoffman WE, et al. *J Pharmacol Exp Ther* 206(3):644-51, Sep 78
- Stimulative effect of guanylimidodiphosphate on the vasopressin-induced increment of osmotic water flow of the toad bladder. Marumo F. *Life Sci* 23(9):907-11, 4 Sep 78
- Effect of antidiuretic hormone and indomethacin on intrarenal microsphere distribution. Fejes-Tóth G, et al. *Pflügers Arch* 376(1):67-72, 25 Aug 78
- [Experimental investigations on the mode of action of alcoholic liquor on the intra-ocular pressure (author's transl)] Leydhecker W, et al. *Klin Monatsbl Augenheilkd* 173(1):75-9, Jul 78 (Eng. Abstr.) (Ger)
- [The study of the influence of vasopressin on the noradrenaline content of various cerebral areas in the rat] Delso Jimeno JL. *Arch Pharmacol Toxicol* 4(1):80-1, Apr 78 (Spa)
- [Therapeutic action of vasopressin in amnesic syndromes and their possible action in depression] Oliveros JC, et al. *Arch Neurobiol (Madr)* 41(1):63-74, Jan-Feb 78 (Eng. Abstr.) (Spa)

## PHYSIOLOGY

- Inhibition of menstrual uterine motility during water diuresis. Cobo E, et al. *Am J Obstet Gynecol* 132(3):313-20, 1 Oct 78
- The control of sodium excretion. de Wardener HE. *Am J Physiol* 235(3):F163-73, Sep 78 (136 ref.)
- Neurotransmitter regulation of corticotropin-releasing factor in vitro. Jones MT, et al. *Ann NY Acad Sci* 297:536-60, 28 Oct 77
- Vasopressin and corticotropin-releasing factor: an axonal pathway to portal capillaries in the zona externa of the median eminence containing vasopressin and its interaction with adrenal corticoids. Zimmerman EA, et al. *Ann NY Acad Sci* 297:405-19, 28 Oct 77
- Cellular interactions between vasopressin and prostaglandins in the mammalian kidney. Dousa TP, et al. *Contrib Nephrol* 12:106-15, 1978 (55 ref.)
- Hormones and mammalian osmoregulation. pp. 240-50. Macfarlane WV. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.

(34 ref.)

Hormonal regulation of membrane receptors and cell responsiveness: a review. Tell GP, et al. *Metabolism* 27(10):1566-92, Oct 78

## SECRETION

- Projections from the parvocellular vasopressin- and neurophysin-containing neurons of the supraoptic nucleus. Sofroniew MV, et al. *Am J Anat* 153(3):391-429, Nov 78
- Vasopressin in the rat with spontaneous hypertension. Crofton JT, et al. *Am J Physiol* 235(4):H361-6, Oct 78
- Effects of acetylcholine, sodium glutamate and GABA on the discharge of supraoptic neurons in the rat. Bioulac B, et al. *Brain Res* 154(1):159-62, 6 Oct 78
- Morphology of membrane changes during neurohypophyseal hormone release in a hibernating rodent. Theodosis DT, et al. *Brain Res* 154(2):371-6, 13 Oct 78
- Effects of veratridine on Ca fluxes and the release of oxytocin and vasopressin from the isolated rat neurohypophysis. Nordmann JJ, et al. *J Gen Physiol* 72(3):297-304, Sep 78
- The importance of short interpulse intervals in determining vasopressin release from the isolated neurohypophysis [proceedings] Dutton A, et al. *J Physiol (Lond)* 280:23P, Jul 78
- Tumor products and potential markers in small cell lung cancer Richardson RL, et al. *Semin Oncol* 5(3):253-62, Sep 78 (79 ref.)
- [Anticipatory oro-vegetative reflexes in hydromineral and energy balance (author's transl)] Nicolaidis S. *J Physiol (Paris)* 74(1):1-19, 1978 (85 ref.) (Eng. Abstr.) (Fre)
- [Participation of brain stem structures in regulating the secretion of vasopressin-ADH] Chebotareva LL, et al. *Fiziol Zh* 24(5):651-8, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Role of central monoaminergic brain structures in regulating the function of the supraoptic-hypophyseal neurosecretory system] Popovichenko NV. *Fiziol Zh* 24(5):641-50, Sep-Oct 78 (67 ref.) (Eng. Abstr.) (Rus)

## THERAPEUTIC USE

- Storage of polyvinylpyrrolidone (PVP) in tissues following long-term treatment with a PVP-containing vasopressin preparation. Christensen M, et al. *Acta Med Scand* 204(4):295-8, 1978
- Successful treatment of hypernatremic thirst deficiency with chlorpromamide. Nandi M, et al. *Clin Nephrol* 10(3):90-5, Sep 78
- Management of postoperative gastrointestinal bleeding. Curtis LE. *Orthop Clin North Am* 9(3):791-7, Jul 78
- [Anesthesia-intensive care in pituitary gland surgery. Hormonal preparation and preoperative water-electrolyte equilibration] Fossati P, et al. *Anesth Analg (Paris)* 35(2):287-92, Mar-Apr 78 (Fre)
- [Surgical or conservative treatment of portal hypertension? (AUTHOR'S TRANSL)] Berchtold R. *Ther Umsch* 35(9):782-4, Sep 78 (Eng. Abstr.) (Ger)
- [Transcatheter hemostasis of G.I. bleeding (author's transl)] Ishikawa T. *Rinsho Hoshasen* 22(10):941-9, Aug 77 (Eng. Abstr.) (Jpn)
- [Therapeutic action of vasopressin in amnesic syndromes and their possible action in depression] Oliveros JC, et al. *Arch Neurobiol (Madr)* 41(1):63-74, Jan-Feb 78 (Eng. Abstr.) (Spa)

## URINE

- Vasopressin in the rat with spontaneous hypertension. Crofton JT, et al. *Am J Physiol* 235(4):H361-6, Oct 78
- Urinary excretion of antidiuretic hormone under various hydration states in man. Matsui K, et al. *Tohoku J Exp Med* 125(2):103-13, Jun 78

## VASOTOCIN

### BIOSYNTHESIS

- Immunocytochemical study of the neurohypophyseal hormone producing system of the lungfish, *Protopterus aethiopicus*. Goossens N, et al. *Cell Tissue Res* 190(1):69-77, 26 Jun 78

### BLOOD

- Plasma half-lives of vasopressin and oxytocin analogs after iv injection in rats. Gazis D. *Proc Soc Exp Biol Med* 158(4):663-5, Sep 78

## IV. Related Topics

### HYPOPHYSECTOMY

- Ultrastructural morphometry of sparsely granulated prolactin cell adenomas of the human pituitary. McComb DJ, et al. *Acta Endocrinol (Copenh)* 89(3):521-9, Nov 78
- Immunodeficiency in hypophysectomized rats. Nagy E, et al. *Acta Endocrinol (Copenh)* 89(3):530-7, Nov 78
- Neurosurgical treatment of pain from cancer. Weinstein PR. *Ariz Med* 35(8):532-6, Aug 78
- Effect of hypophysectomy on the luteinizing hormone-releasing hormone content of the organum vasculosum of the lamina terminalis in female rat. Wenger T, et al. *Brain Res* 157(1):157-60, 17 Nov 78
- Role of pituitary hormones in the growth of human breast cancer. Pearson OH, et al. *Cancer Res* 38(11 Pt 2):4323-6, Nov 78
- Plasma corticosterone binding capacity in the partially decapitated chick embryo. Gasc JM, et al. *Gen Comp Endocrinol* 35(3):274-9, Jul 78
- Effect of starvation & hypophysectomy on amino acid levels of ovaries of *Triturus pyrrhogaster* laur. Dutt NH, et al. *Indian J Exp Biol* 16(6):718-20, Jun 78
- New role of endocrine therapy in breast cancer. Kennedy BJ. *Int J Radiat Oncol Biol Phys* 4(5-6):469-72, May-Jun 78
- Naloxone effects on a nociceptive response of hypophysectomized and adrenalectomized mice. Grevert P, et al. *Life Sci* 23(7):723-8, 21 Aug 78
- Hypophysectomy for relief of bone pain in breast cancer [letter] Brodkey JS, et al. *N Engl J Med* 299(18):1016, 2 Nov 78
- The changes of in vitro <sup>131</sup>I-iodine uptake in the thyroid gland of rats exposed to septal lesions and immobilization stress. Knopp J, et al. *Physiol Bohemoslov* 27(4):329-32, 1978
- [Treatment of acromegaly] Kato Y. *Nippon Rinsho Suppl*:1550-1, May 78 (Jpn)
- [Treatment of Cushing's disease] Shimizu N. *Nippon Rinsho Suppl*:1538-9, May 78 (Jpn)

### METHODS

- Delayed cure of Cushing's disease after transsphenoidal surgery of pituitary microadenomas. Report of two cases. McDonald SD, et al. *J Neurosurg* 49(4):593-6, Oct 78
- [Transsphenoidal surgery of the pituitary gland] Takeda F. *Nippon Rinsho Suppl*:1786-7, May 78 (Jpn)

### LACTATION

- Lipid and trace element composition of human milk. Belavady B. *Acta Paediatr Scand* 67(5):566-71, Sep 78
- The effect of the milking process on oxytocic activity in the blood plasma of cows during oestrous. Barowicz T, et al. *Acta Physiol Pol* 29(3):297-9, May-Jun 78
- Analysis of secretory patterns of prolactin and gonadotropins during twenty-four hours in a lactating woman before and after resumption of menses. Madden JD, et al. *Am J Obstet Gynecol* 132(4):436-41, 15 Oct 78
- Ultrastructural study of the basal plasma membrane of the cow's mammary alveolar cell. Morales CR, et al. *Anat Histol Embryol* 7(3):273-5, Sep 78
- Body composition changes during lactation in a New Guinea population. Harrison GA, et al. *Ann Hum Biol* 2(4):395-8, Oct 75
- Induced staphylococcal infections in the bovine mammary gland. Influence of the month of lactation and other factors related to the cow. Poutrel B, et al. *Ann Rech Vet* 9(1):119-28, 1978
- Histochemical observations on the guinea pig ovary during pregnancy and lactation. Guraya SS. *Arch Ital Anat Embriol* 82(3):193-232, Jul-Sep 77
- The mode of regulation of pyruvate dehydrogenase of lactating rat mammary gland. Effects of starvation and insulin. Baxter MA, et al. *Biochem J* 174(2):553-61, 15 Aug 78
- Diurnal variation and response to food withdrawal of lactose synthesis in lactating rats. Carrick DT, et al. *Biochem J* 174(1):319-25, 15 Jul 78

- Stereospecific biosynthesis of triacylglycerols in mammary glands from lactating rats. Cooper SM, et al. *Biochem J* 174(2):659-62, 15 Aug 78
- Molecular weight and subunit size of rabbit mammary-gland fatty acid synthetase. Grunnet I, et al. *Biochem J* 173(3):929-33, 1 Sep 78
- Uptake of substrates for milk-fat synthesis by lactating-rabbit mammary gland. Jones CS, et al. *Biochem J* 174(1):291-6, 15 Jul 78
- Immunochemical characterization of casein from rabbit mammary gland. Al-Sarraj K, et al. *Biochem J* 173(3):877-83, 1 Sep 78
- Perinatal methadone exposure in rats. Effects on body and organ development. McLaughlin PJ, et al. *Biol Neonate* 34(1-2):48-54, 1978
- The relative contribution of suckling and prolactin to the inhibition of gonadotropin secretion during lactation in the rat. Smith MS. *Biol Reprod* 19(1):77-83, Aug 78
- Prolactin release in lactating, primiparous and multiparous thelctomized and maternal virgin rats exposed to pup stimuli. Stern JM, et al. *Biol Reprod* 19(1):177-82, Aug 78
- Sialic acid-containing glycoconjugates in human lactation urine. Lemonnier M, et al. *Biomedicine [Express]* 29(4):146-50, Jun 78
- The effect of 1- $\alpha$ -hydroxycholecalciferol on calcium and phosphorus metabolism in the lactating ewe. Braithwaite GD. *Br J Nutr* 40(2):387-92, Sep 78
- Amino acid requirements of the breeding sow. 2. The dietary lysine requirement of the lactating sow. Sohail MA, et al. *Br J Nutr* 40(2):369-76, Sep 78
- The feeding response to beta adrenergic active agents during lactation-induced hyperphagia. Robinson DW, et al. *Br Vet J* 134(5):501-3, Sep-Oct 78
- Type D primate retroviruses: a review. Fine D, et al. *Cancer Res* 38(10):3123-39, Oct 78 (109 ref.)
- Comparative susceptibilities of hybrid mice to four mammary tumor viruses from two mouse strains. Moore DH, et al. *Cancer Res* 38(11 Pt 1):3871-8, Nov 78
- Structure of the Adenohypophysis in parturient female and neonate harp seals, *Pagophilus groenlandicus*. Leatherland JF, et al. *Cell Tissue Res* 192(2):341-57, 5 Sep 78
- Nutritional requirements and dietary allowances. Harper AE. *Compr Ther* 4(10):10-7, Oct 78 (13 ref.)
- The biological basis of lactation. Nichols BL, et al. *Compr Ther* 4(10):63-70, Oct 78 (14 ref.)
- Control of prolactin secretion in man. Bohnet HG, et al. *Curr Top Mol Endocrinol* 3:257-81, 1976 (143 ref.)
- Neurotransmitters and control of pituitary function. Kordon C, et al. *Curr Top Mol Endocrinol* 3:51-61, 1976
- Glutathione peroxidase in erythrocytes and plasma of rats during pregnancy and lactation. Behne D, et al. *Experientia* 34(8):986-7, 15 Aug 78
- Lipid content of human fallopian tube. Chowdhury SR. *Indian J Physiol Pharmacol* 22(2):158-9, Apr-Jun 78
- Serum thyrotropin, thyroxine, and tri-iodothyronine in dairy cows fed varying amounts of iodine. Convey EM, et al. *J Dairy Sci* 61(6):771-5, Jun 78
- Potassium requirement of dairy cows in early and midlactation. Dennis RJ, et al. *J Dairy Sci* 61(6):757-61, Jun 78
- The dairy goat as a model in lactation studies. Larson BL. *J Dairy Sci* 61(7):1023-9, Jul 78 (37 ref.)
- Purification and partial characterization of a unique group of phosphoproteins from rat milk whey. McKenzie RM, et al. *J Dairy Sci* 61(6):723-8, Jun 78
- Relationship between milk yield and mammary gland development in mice. Nagai J, et al. *J Dairy Sci* 61(6):733-9, Jun 78
- Reproduction and breeding of goats. Shelton M. *J Dairy Sci* 61(7):994-1010, Jul 78 (106 ref.)
- Biochemical changes in the corpora lutea of pregnant and lactating hamsters. Chatterjee S, et al. *J Endocrinol* 78(2):261-5, Aug 78
- Diethylstilbestrol binding to estrogen receptor in mammary tissue and uteri of C3H/HeJ mice. Okey AB, et al. *J Natl Cancer Inst* 61(3):719-24, Sep 78
- The collagen content of the hypertrophic intestine and liver in pregnant and lactating mice [proceedings] Matthews BF. *J Physiol (Lond)* 280:59P, Jul 78
- Characterization of mouse mammary tissue estrogen receptors under conditions of differing hormonal backgrounds. Muldoon TG. *J Steroid Biochem* 9(6):485-94, Jun 78



Changes in prolactin secretion in lactating rats assessed by correlative morphometric and biochemical methods.

Häusler A, et al. *J Ultrastruct Res* 64(1):74-84, Jul 78  
Breast-milk monitoring to measure Michigan's contamination with polybrominated biphenyls. Brilliant LB, et al. *Lancet* 2(8091):643-6, 23 Sep 78

Nature's infant nutrition. Helping nursing mothers maintain lactation while separated from their infants. Henderson KJ, et al. *MCN* 3(6):352-6, Nov-Dec 78

Gigantic bilateral aberrant axillary breasts: a case report. Charoenkul V, et al. *Mt Sinai J Med (NY)* 45(4):455-9, Jul-Aug 78

Human reproduction reconsidered. May RM. *Nature* 272(5653):491-5, 6 Apr 78

Mammary tumour virus and casein gene transcription during mouse mammary development. Pauley RJ, et al. *Nature* 275(5679):455-7, 5 Oct 78

Impairments in lactation in the rat following destruction of the median raphe nucleus. Barofsky AL, et al. *Neuroendocrinology* 26(6):333-51, 1978

The protective effect of zinc sulphate in experimental sporidesmin intoxication of lactating dairy cows. Towers NR, et al. *NZ Vet J* 26(8):199-202, Aug 78

Disruption of maternal behavior in rats with lesions of the septal area. Fleischer S, et al. *Physiol Behav* 21(2):189-200, Aug 78

The effects of a low-protein diet on milk yield and plasma metabolites in Friesian heifers during early lactation. Oldham JD, et al. *Proc Nutr Soc* 37(2):44A, Sep 78

The effects of low- and high-protein diets upon the concentrations of plasma low density lipoproteins, in Friesian heifers throughout lactation. Stead D, et al. *Proc Nutr Soc* 37(2):45A, Sep 78

Bioenergetic peculiarities in the nutrition of main farm mammals. Jančarik A. *Prog Food Nutr Sci* 2(11-12):561-76, 1978

[Changes of bone tissue in rats during lactation (author's transl)] Rožcova L. *Sb Lek* 80(10):303-9, Oct 78 (Eng. Abstr.) (Cze)

[Effect of estrus cycle, ovariectomy and lactation on variations of basal corticosterone levels or aggression stress levels in rats] Audrain M, et al. *C R Soc Biol (Paris)* 172(1):33-7, 1978 (Eng. Abstr.) (Fre)

[Breast feeding, human milk and perinatal medicine] Børresen HC. *Tidsskr Nor Lægeforen* 98(29):1425-7, 20 Oct 78 (Eng. Abstr.) (Nor)

[Neuroendocrine conditioning of cervix neoplasms] Klimek R. *Ginek Pol* 49(5):369-75, May 78 (Eng. Abstr.) (Pol)

[Regulation of transcription in mammary gland during lactogenesis (author's transl)] Chomczyński P. *Postepy Biochem* 24(2):195-219, 1978 (Pol)

[Effect of normal microflora, age and sex of rats on serum IgG2 levels] Ruban SZ. *Biull Eksp Biol Med* 86(9):335-7, Sep 78 (Eng. Abstr.) (Rus)

[Clinical biochemical blood indices in sows] Bogdanov FP. *Veterinariia* (9):72-4, Sep 78 (Rus)

[Prolactin and human reproduction] Nillius SJ. *Katilolehti* 83(7-8):284-91, Jul-Aug 78 (Swe)

## DRUG EFFECTS

The relative contribution of suckling and prolactin to the inhibition of gonadotropin secretion during lactation in the rat. Smith MS. *Biol Reprod* 19(1):77-83, Aug 78

Effect of a progesterone-releasing intravaginal device on the milk progesterone levels, vaginal flora, milk yield and fertility of cyclic and non-cyclic dairy cows. Bulman DC, et al. *J Reprod Fertil* 53(2):289-96, Jul 78

Breast-feeding and mother's education [letter] Last P. *Lancet* 2(8095):896-7, 21 Oct 78

Effects of chronic methadone treatment on maternal body weight and food and water consumption in rats. White WJ, et al. *Pharmacology* 17(4):227-32, 1978

[Evaluation of the effect of methylethylgometrin on early lactation] Sturc M. *Cesk Gynecol* 43(8):612-4, Sep 78 (Cze)

[Physiology of prolactin secretion. Analytic methods] Jaffiol C, et al. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):625-33, Apr 78 (Eng. Abstr.) (Fre)

[Suppression of lactation by estrogens] Winter S. *Harefuah* 95(2):93-4, 16 Jul 78 (Heb)

[Lactation inhibition by drugs (editorial)] Bergsjø P. *Tidsskr Nor Lægeforen* 98(29):1423-4, 20 Oct 78 (Nor)

[Ablactation after a major miscarriage and delivery] Bulajic M, et al. *Srp Arh Celok Lek* 105(11):985-8, Nov 77 (Sce)

## SOMATOMEDIN

### BIOSYNTHESIS

Hepatic activity in the generation of somatomedins: effects of administration of a liver extract. Pallotti S, et al.

*Int J Clin Pharmacol Biopharm* 16(8):351-6, Aug 78

Production of somatomedin activity in vitro in the presence of growth hormone and cycloheximide. Liberti JP. *J Endocrinol* 78(2):289-90, Aug 78

### METABOLISM

Ectopic insulin and Occam's razor: reappraisal of the riddle of tumour hypoglycaemia. Skrabanek P, et al.

*Clin Endocrinol (Oxf)* 9(2):141-54, Aug 78 (123 ref.)

Endocrine function in a patient with asymmetrical acral hypertrophy and gigantism: a possible variant of the Kippel-Trenaunay syndrome. Mims RB. *J Natl Med Assoc* 70(2):125-8, Feb 78

### PHARMACODYNAMICS

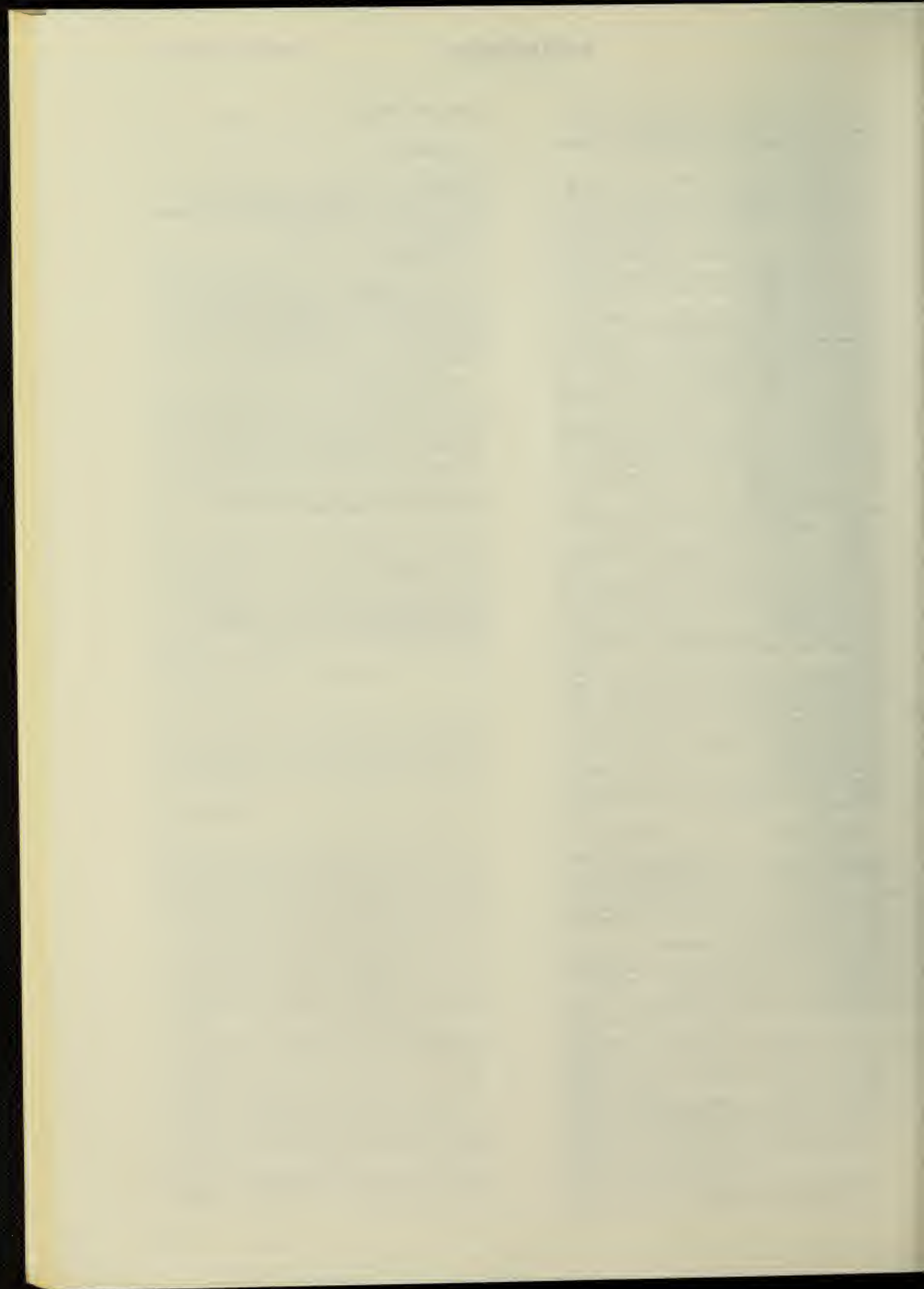
The effect of a slightly acidic somatomedin peptide (ILAs) on the sulphation of proteoglycans from articular and growth plate chondrocytes in culture. Corvol MT, et al. *Acta Endocrinol (Copenh)* 89(2):263-75, Oct 78

### PHYSIOLOGY

Growth hormone, somatomedins, and growth failure. Van Wyk JJ, et al. *Hosp Pract* 13(8):57-67, Aug 78

## FELYPRESSIN

The use of mixtures of octapressin and adrenaline in local anaesthetic solutions to obtain more effective vasoconstriction. Gerke DC, et al. *Aust Dent J* 23(3):240-3, Jun 78





# THYROID

## I. Physical and Functional Aspects

### THYROID FUNCTION TESTS

- Importance of thyroid iodine and cyclic AMP, and TSH concentrations on goitre formation in rats. Berthier C, et al. *Acta Endocrinol (Copenh)* 89(3):567-79, Nov 78
- Primary empty sella syndrome with panhypopituitarism, diabetes insipidus, and visual field defects. Cupps TR, et al. *Acta Endocrinol (Copenh)* 89(3):445-60, Nov 78
- The influence of chronic renal failure on serum and urinary thyroid hormone levels. Kølendorf K, et al. *Acta Endocrinol (Copenh)* 89(1):80-8, Sep 78
- Free-thyroxine index in psychotic and neurotic depression. Rinieris PM, et al. *Acta Psychiatr Scand* 58(1):56-60, Jul 78
- Congenital thyroid disease detected by screening program. Lyon J, et al. *Alaska Med* 20(4):56-9, Jul 78
- Thyroid screening with triiodothyronine assay. Zipf RE Jr. *Ann Clin Lab Sci* 8(5):372-5, Sep-Oct 78
- Thyroid function tests simulating Graves' disease in alcoholic hepatitis. Stuart DD, et al. *Ann Intern Med* 89(4):514-5, Oct 78
- Myocardial function in hypothyroidism. Relation to disease severity and response to treatment. Bough EW, et al. *Arch Intern Med* 138(10):1476-80, Oct 78
- Prevalence of thyroid disorder in Down syndrome. Sare Z, et al. *Clin Genet* 14(3):154-8, Sep 78
- Thyroid function tests for the practicing physician. Roubesh CP, et al. *J Indiana State Med Assoc* 71(9):837-9, Sep 78
- Lack of influence of povidone-iodine on tests of thyroid function. Lividas DP, et al. *J Int Med Res* 6(5):406-8, 1978
- Thyroid function testing: an introduction to the thyrotropin-releasing hormone (TRH) stimulation test. Becker DI. *NC Med J* 39(8):486-8, Aug 78
- The assessment of thyroid function and structure. Bain J, et al. *Otolaryngol Clin North Am* 11(2):419-43, Jun 78 (27 ref.)
- The influence of thyroid geometry on the response of LiF and CaSO<sub>4</sub> thermoluminescent discs to 131I and 125I irradiation. O'Connor MK, et al. *Phys Med Biol* 23(4):712-22, Jul 78
- [Value of the assay of plasma triiodothyronine level for the diagnosis of hyperthyroidism and hypothyroidism] Wiersinga WM, et al. *Ned Tijdschr Geneesk* 122(37):1349-58, 16 Sep 78 (Eng. Abstr.) (Dut)
- [Practice-related diagnostic program for disease control during and following therapy of thyroid diseases] Galvan G. *Wien Med Wochenschr* 128(16):529-32, 1978 (Ger)
- [Diagnostic strategy for suspected thyroid diseases in practice] Galvan G. *Wien Med Wochenschr* 128(15):452-4, 15 Aug 78 (Ger)
- [Thyroid (author's transl)] Mikuni T, et al. *Rinsho Byori* 26(6):478-82, Jun 78 (Jpn)
- [Effect of bovine thyrotropin 'Aminon' on serum levels of triiodothyronine, thyroxine and cycl AMP] Halawa B, et al. *Wiad Lek* 31(12):813-6, 15 Jun 78 (Eng. Abstr.) (Pol)
- [Low thyroid reserve. Present concepts and analysis of 19 cases] Leite AC, et al. *AMB* 24(6):215-8, Jun 78 (Eng. Abstr.) (Por)
- [Thyroid suppression test with dextrothyroxine] Rosenthal D, et al. *AMB* 24(6):197-9, Jun 78 (Eng. Abstr.) (Por)
- [Effect of the antifolic preparation, tomizin, that possesses antitumor activity, on thyroid gland function] Korolev GK, et al. *Farmakol Toksikol* 41(5):608-12, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Use of radioisotope methods in a hygiene experiment] Iurasova OI. *Gig Sanit* (9):72-5, Sep 78 (Rus)
- [Observations on the interaction of thyroxine with its main transporting protein and its relation to the in vitro thyroid function test. II. Clinical pictures with serum protein

changes] Cuarón Santisteban A, et al. *Arch Inst Cardiol Mex* 48(4):754-78, Jul-Aug 78 (Eng. Abstr.) (Spa)

### ADVERSE EFFECTS

- [Thyroid suppression test with dextrothyroxine] Rosenthal D, et al. *AMB* 24(6):197-9, Jun 78 (Eng. Abstr.) (Por)

### METHODS

- Thyroid function tests [letter] *Br Med J* 2(6139):771-2, 9 Sep 78
- Radioimmunoassay of triiodothyronine and thyroxine in capillary blood. Ljunggren JG, et al. *Scand J Clin Lab Invest* 38(6):593-5, Oct 78
- Optimum laboratory test combinations for thyroid function studies, selected by discriminant analysis. Rootwelt K, et al. *Scand J Clin Lab Invest* 38(5):477-85, Sep 78
- [Study of thyroid function using diverse methods of separation of plasma radioiodine compounds in rats] Rostami P. *Acta Med Iran* 19(4):255-66, 1976 (Eng. Abstr.) (Fre)
- [Achillogram, principle and method] Kováč T, et al. *Srp Arh Celok Lek* 105(12):1075-83, Dec 77 (Eng. Abstr.) (Sec)

### STANDARDS

- Lithium and hypothyroidism. Piziak VK, et al. *J Clin Psychiatry* 39(9):709-11, Sep 78

### THYROID GLAND

- Thyroid extract [letter] Fowler PB. *Br Med J* 2(6137):636-7, 26 Aug 78
- Airborne concentration of I-131 in a nuclear medicine laboratory. Browning EJ, et al. *J Nucl Med* 19(9):1078-81, Sep 78
- The influence of thyroid geometry on the response of LiF and CaSO<sub>4</sub> thermoluminescent discs to 131I and 125I irradiation. O'Connor MK, et al. *Phys Med Biol* 23(4):712-22, Jul 78
- [Intralaryngeal ectopic thyroid gland] Bętkowski A, et al. *Otolaryngol Pol* 32(3):355-8, 1978 (Pol)

### ABNORMALITIES

- Hyperprolactinaemia in a boy with hypothyroidism due to an ectopic thyroid. Roitman A, et al. *Acta Paediatr Belg* 31(3):155-7, Jul-Sep 78

### ANALYSIS

- Different behaviour of 19S thyroglobulin extracted from normal thyroid, simple goitre and toxic goitre in polyacrylamide slab gel isoelectric focusing. Massi G, et al. *Acta Endocrinol (Copenh)* 89(2):296-302, Oct 78
- Rapid monitoring of 131I in the human thyroid gland using a Ge(Li) detector. Kawamura H, et al. *Health Phys* 35(2):416-7, Aug 78
- The aldehyde fuchsin and colloidal iron staining reactions in the canine thyroid C cell. Roediger WE. *Histochem J* 10(5):549-57, Sep 78
- Immunoreactive calcitonin in the intermediate lobe of the pituitary gland. Deftos LJ, et al. *Life Sci* 23(7):743-8, 21 Aug 78
- [Quantitative changes in polyamines and histamine during the formation of goiter in rats] Matsuzaki S, et al.

## THYROID GLAND

- Horumon To Rinsho 26(1):31-4, Jan 78 (Jpn)  
 [Thyroid somatostatin] Yamada Y, et al.  
 Hormon To Rinsho 26(6):568-70, Jun 78 (Jpn)

### ANATOMY & HISTOLOGY

- Tumours of the thyroid gland. Napalkov NP.  
 IARC Sci Publ (6):239-71, 1976 (86 ref.)  
 Computed tomography of the larynx. Mancuso AA, et al.  
 Radiol Clin North Am 16(2):195-208, Aug 78  
 Light and electron microscopy observations in the thyroid gland of the pheasant (*Phasianus colchicus* L.). Velický J, et al. Z Mikrosk Anat Forsch 91(3):460-74, 1977  
 [Morphofunctional changes in the thyroid gland of golden hamsters during acclimatization to a temperature of 4 degrees C] Vol'fenzon LG, et al. Tsitologiya 20(6):636-42, Jun 78 (Eng. Abstr.) (Rus)

### BLOOD SUPPLY

- [Idiopathic hemorrhage from the superior thyroid artery] Btkowski A, et al. Wiad Lek 31(16):1159-61, 15 Aug 78 (Eng. Abstr.) (Pol)  
 [Scanning and angiography in the diagnosis of thyroid tumors] Dionidis IA, et al. Vestn Rentgenol Radiol (4):43-8, Jul-Aug 78 (Eng. Abstr.) (Rus)

### CYTOLOGY

- Fluorescence histochemistry of peptide hormone-producing cells: observations on the phenanthrenequinone method for the demonstration of arginine residues. Sundler F, et al. Histochemistry 56(3-4):221-7, 12 Jul 78  
 [Histofunctional aspects of the rat thyroid after administration of ethinyl estradiol. Preliminary findings] Breda M, et al. Boll Soc Ital Biol Sper 54(9):771-6, 15 May 78 (Ita)

### DRUG EFFECTS

- Neurotransmitter control of thyrotrophin secretion in hypothyroid rats. Männistö PT, et al.  
 Acta Endocrinol (Copenh) 89(1):100-7, Sep 78  
 Enzyme changes in neonatal skeletal muscle: effect of thyroid deficiency. Baldwin KM, et al. Am J Physiol 235(3):C97-102, Sep 78  
 Changes in rodent thyroid hormones and cyclic-AMP following treatment with pineal indolic compounds. Nir I, et al. Arch Int Physiol Biochim 86(2):353-62, May 78  
 Morphological changes on the free surface of thyroid cells at the hormone secretion by scanning electron microscopy. Kawada J, et al. Endocrinol Jpn 25(3):217-33, Jun 78  
 Experimental studies concerning the mechanism of the thyroid-pineal interrelationship. I. The action of the pineal peptides on the thyroid gland. Constantinescu A, et al. Endocrinologie 16(3):191-7, Jul-Sep 78  
 Experimental studies concerning the mechanism of the thyroid-pineal interrelationship. II. Action of the pineal peptides on the pituitary TSH reserve and hypothalamic content of TRH in MTU-treated rats. Negoescu I, et al. Endocrinologie 16(3):199-204, Jul-Sep 78  
 The role of cyclic GMP in the action of carbamylcholine on the cyclic AMP level in the dog thyroid. Champion S, et al. FEBS Lett 92(2):156-8, 15 Aug 78  
 Serum thyrotropin, thyroxine, and tri-iodothyronine in dairy cows fed varying amounts of iodine. Convey EM, et al. J Dairy Sci 61(6):771-5, Jun 78  
 Lack of influence of povidone-iodine on tests of thyroid function. Lividas DP, et al. J Int Med Res 6(5):406-8, 1978  
 [Beta-receptor blockers in hyperthyroidism] Labhart A, et al. Internist (Berlin) 19(9):538-41, Sep 78 (Ger)  
 [Histofunctional aspects of the rat thyroid after administration of ethinyl estradiol. Preliminary findings] Breda M, et al. Boll Soc Ital Biol Sper 54(9):771-6, 15 May 78 (Ita)  
 [Effect of the antifolic preparation, tomizin, that possesses antitumor activity, on thyroid gland function] Korolev GK, et al. Farmakol Toksikol 41(5):608-12, Sep-Oct 78 (Eng. Abstr.) (Rus)  
 [Dynamics of the changes in thyroid gland parenchyma on thyrocalcitonin administration] Khomullo GV, et al. Probl Endokrinol (Mosk) 24(5):97-102, Sep-Oct 78 (Eng. Abstr.) (Rus)  
 [Clinical use of synthetic thyroliberin (thyrotropin-releasing factor)] Starkova NT, et al. Probl Endokrinol (Mosk) 24(5):103-10, Sep-Oct 78 (Rus)  
 [Evaluation of the antidepressive and endocrine metabolic effect of T.R.H. open trial] Herrera R, et al. Arch Neurobiol (Madr) 41(2):99-108, Mar-Apr 78 (Eng. Abstr.) (Spa)

## THYROID

### ENZYMOLGY

- Biochemical studies on the iodine organification defect of Pendred's syndrome. Niepomniszcze H, et al.  
 Acta Endocrinol (Copenh) 89(1):70-9, Sep 78  
 Studies on the oxidizing system in Holt's medium for histochemical demonstration of esterase activity. Kirkeby S, et al. Acta Histochem (Jena) 62(1):44-56, 1978  
 [Oxidation of iodides in the thyroid gland] Jaroszewicz L. Postepy Hig Med Dosw 32(2):227-44, Mar-Apr 78 (Eng. Abstr.) (Pol)

### IMMUNOLOGY

- Immune complex glomerulonephritis mediated by thyroid antigens. Jordan SC, et al. Arch Pathol Lab Med 102(10):530-3, Oct 78  
 New insights into thyroid physiology [news] JAMA 240(17):1833-4, 20 Oct 78  
 Evidence that the TSH receptor acts as a mitogenic antigen in Graves' disease. Mäkinen T, et al. Nature 275(5678):314-5, 28 Sep 78  
 Studies on the cytotoxic factor in chronic thyroiditis as tested by a newly developed micromethod. Shimazaki M, et al. Osaka City Med J 23(2):167-76, 1977  
 [Hormonal control of immune reactivity] Dimitrov V, et al. Vutr Boles 17(4):8-15, 1978 (78 ref.) (Bul)

### INNERVATION

- [Clinical and therapeutical aspects of 70 cases of thyroid neoplasms] Schrub JC, et al. Sem Hop Paris 54(5-8):360-1, Mar 78 (Fre)

### METABOLISM

- Importance of thyroid iodine and cyclic AMP, and TSH concentrations on goitre formation in rats. Berthier C, et al. Acta Endocrinol (Copenh) 89(3):567-79, Nov 78  
 Calcitonin activity of the thyroid gland in primary hyperparathyroidism. Broulik PD, et al.  
 Acta Endocrinol (Copenh) 89(1):122-5, Sep 78  
 Action of KI and several iodocompounds on [3H]uridine incorporation into thyroid RNA. Kleiman de Pisarev DL, et al. Acta Endocrinol (Copenh) 89(2):316-22, Oct 78  
 Biochemical studies on the iodine organification defect of Pendred's syndrome. Niepomniszcze H, et al.  
 Acta Endocrinol (Copenh) 89(1):70-9, Sep 78  
 Retarded biosynthesis of thyroglobulin subunits and their polymerization in vitro after suppression of TSH secretion in rats by chronic administration of excess thyroxine in the form of iodinated casein. Sinadinović J, et al.  
 Acta Endocrinol (Copenh) 89(1):108-21, Sep 78  
 Changes in rodent thyroid hormones and cyclic-AMP following treatment with pineal indolic compounds. Nir I, et al. Arch Int Physiol Biochim 86(2):353-62, May 78  
 Inhibition of thyrotropin binding to human thyroid plasma membranes by thyroid hormones and 'reverse triiodothyronine'. Kielczyński W, et al.  
 Biochem Biophys Res Commun 82(3):811-9, 14 Jun 78  
 Structure-function studies of receptors for thyrotropin and tetanus toxin: lipid modulation of effector binding to the glycoprotein receptor component. Lee G, et al.  
 Biochem Biophys Res Commun 83(1):313-20, 14 Jul 78  
 Mechanisms for the biodehalogenation of iodocompounds. Sinsheimer JE, et al. Biochem Biophys Res Commun 83(1):281-6, 14 Jul 78  
 The role of cyclic GMP in the action of carbamylcholine on the cyclic AMP level in the dog thyroid. Champion S, et al. FEBS Lett 92(2):156-8, 15 Aug 78  
 Differentiation of two types of endocrine cells which take up amine precursors using their capacity to take up the fluorescent dihydroisoquinoline derivative of dopamine. Partanen S. Histochemistry 57(2):161-75, 25 Aug 78  
 Lack of influence of povidone-iodine on tests of thyroid function. Lividas DP, et al. J Int Med Res 6(5):406-8, 1978  
 The changes of in vitro I<sup>131</sup>-iodine uptake in the thyroid gland of rats exposed to septal lesions and immobilization stress. Knopp J, et al. Physiol Bohemoslov 27(4):329-32, 1978  
 Amyloid fibril protein related to prealbumin in familial amyloidotic polyneuropathy. Costa PP, et al.  
 Proc Natl Acad Sci USA 75(9):4499-503, Sep 78  
 An automated method for evaluation of the thyroid uptake of <sup>99m</sup>Tc-perchnetate. Barbina V, et al. Ric Clin Lab 8(1-2):89-99, Jan-Jun 78  
 [Oxidation of iodides in the thyroid gland] Jaroszewicz L. Postepy Hig Med Dosw 32(2):227-44, Mar-Apr 78 (Eng. Abstr.) (Pol)  
 [Morphofunctional changes in the thyroid gland of golden hamsters during acclimatization to a temperature of 4



# THYROID

# THYROID GLAND

degrees C] Vol'fenzon LG, et al. *Tsitologiya* 20(6):636-42, Jun 78 (Eng. Abstr.) (Rus)

## PATHOLOGY

- Atypical thyroid follicles arising from an ultimobranchial-like cyst in a postnatal canine thyroid gland. Booth KK, et al. *Acta Anat (Basel)* 102(4):405-10, 1978
- Thyroiditis in myasthenia gravis. Aarli JA, et al. *Acta Neurol Scand* 58(2):121-7, Aug 78
- Carcinoma of the thyroid. A survey of 227 cases. Rasmusson B. *Acta Radiol Oncol Radiat Phys Biol* 17(3):177-88, 1978
- Thyroid function in early sub-acute thyroiditis. Górowski T, et al. *Clin Endocrinol (Oxf)* 9(2):175-8, Aug 78
- The incidence of thyroiditis lesions in nodular goiter. Lazár C, et al. *Endocrinologie* 16(3):231-4, Jul-Sep 78
- Hypercalcitoninism and C-cell hyperplasia in rats with goiters produced by a low iodine diet or propylthiouracil. Peng TC, et al. *J Pharmacol Exp Ther* 206(3):710-17, Sep 78
- Thyroid tumor. McIntosh D. *J R Coll Surg Edinb* 23(5):266-84, Sep 78
- Natural history of familial medullary thyroid carcinoma: effect of a program for early diagnosis. Graze K, et al. *N Engl J Med* 299(18):980-5, 2 Nov 78
- General disease in 120 necropsy-proven cases of multiple sclerosis. Allen IV, et al. *Neuropathol Appl Neurobiol* 4(4):279-84, Jul-Aug 78
- The assessment of thyroid function and structure. Bain J, et al. *Otolaryngol Clin North Am* 11(2):419-43, Jun 78 (27 ref.)
- [Solitary cold thyroid tumors: benign or malignant?] Rygård J, et al. *Ugeskr Laeger* 140(38):2297-9, 18 Sep 78 (Eng. Abstr.) (Dan)
- [Thyroid gland tumors in children. Functional and morphological estimation of thyroid gland following subroto strumectomy] Wójtowicz M, et al. *Endokrynol Pol* 29(4):297-304, Jul-Aug 78 (Eng. Abstr.) (Pol)

## PHYSIOLOGY

- Enzyme changes in neonatal skeletal muscle: effect of thyroid deficiency. Baldwin KM, et al. *Am J Physiol* 235(3):C97-102, Sep 78
- Effect of thyroid hormone, actinomycin D, cycloheximide and puromycin on TRH-induced secretion of TSH, as studied by pituitary concentration of cyclic AMP and intrathyroidal colloid droplet formation. Kotani M, et al. *Arch Int Pharmacodyn Ther* 234(1):145-55, Jul 78
- Stimulatory effect of calcitonin on calcium excretion into bile of thyroparathyroidectomized rats. Yamaguchi M, et al. *Chem Pharm Bull (Tokyo)* 26(7):1981-4, Jul 78
- Normalized androgen ratio: an index of free 17beta-hydroxysteroid concentration in serum. Gilliland JM, et al. *Clin Chem* 24(9):1500-3, Sep 78
- The assay of 1alpha,25-dihydroxyvitamin D3: physiologic and pathologic modulation of circulating hormone levels. Haussler MR, et al. *Clin Endocrinol (Oxf)* 5 Suppl:151S-165S, 1976
- New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al. *Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)
- Experimental studies concerning the mechanism of the thyroid-pineal interrelationship. I. The action of the pineal peptides on the thyroid gland. Constantinescu A, et al. *Endocrinologie* 16(3):191-7, Jul-Sep 78
- Experimental studies concerning the mechanism of the thyroid-pineal interrelationship. II. Action of the pineal peptides on the pituitary TSH reserve and hypothalamic content of TRH in MTU-treated rats. Negoescu I, et al. *Endocrinologie* 16(3):199-204, Jul-Sep 78
- Gut-thyroid interrelationships. Miller LJ, et al. *Gastroenterology* 75(5):901-11, Nov 78 (204 ref.)
- Annual endocrine cycles and environment in birds with special reference to male ducks. pp. 52-60. Assenmacher I, et al.

- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (33 ref.)
- Regulation of reproductive cycles of tropical spotted munia and weaverbird. pp. 61-3. Chandola A, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Seasonal variations in the endocrine system of hibernators. pp. 103-10. Johansson BW.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (45 ref.)
- Field studies in Southern Tunisia on water turnover and thyroid activity in two species of Meriones. pp. 81-4. Lachiver F, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental*

- endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Seasonal changes of the testicular and thyroid functions in the badger, *Meles meles* L. pp. 85-6. Maurel D.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Endocrine responses to chronic high altitude exposure. pp. 290-1. Nelson ML.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Role of brain monoamines in the regulation of the circadian variations of activity of some neuroendocrine axes. pp. 137-43. Scapagnini U, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Serum thyrotropin, thyroxine, and tri-iodothyronine in dairy cows fed varying amounts of iodine. Convey EM, et al. *J Dairy Sci* 61(6):771-5, Jun 78
- Effects of age and ovarian function on the pituitary-thyroid system in female rats. Chen HJ, et al. *J Endocrinol* 78(2):225-32, Aug 78
- New insights into thyroid physiology [news] *JAMA* 240(17):1833-4, 20 Oct 78
- American Academy of Pediatrics. Committee on Drugs. Treatment of congenital hypothyroidism. *Pediatrics* 62(3):413-7, Sep 78
- Regulation of TSH secretion in rats chronically exposed to heat (34 degrees C). Rousset B, et al. *Pflugers Arch* 375(2):177-81, 18 Jul 78
- The effect of altered thyroid state on prolactin binding to liver and 7,12-dimethylbenz(a)anthracene-induced mammary tumors in rats. Smith RD, et al. *Proc Soc Exp Biol Med* 158(4):517-20, Sep 78
- [Interaction between the hypothalamo-hypophyseal system and the thyroid gland during different age periods] Frol'kis VV, et al. *Biull Eksp Biol Med* 86(8):133-7, Aug 78 (Eng. Abstr.) (Rus)
- [Study of hormones of the thyroid gland in early postoperative period] Pereslegin IA, et al. *Klin Med (Mosk)* 56(8):48-54, Aug 78 (Eng. Abstr.) (Rus)
- [Clinical value of the TRH test in the study of hypophyseal reserve and differential diagnosis of hypothyroidism] Garay Salas E, et al. *Rev Clin Esp* 149(5):435-40, 15 Jun 78 (Eng. Abstr.) (Spa)
- [Clinical significance of the basal determinations of TSH and its response to TRH in the study of hyperthyroid patients treated with I131] Marañón González G, et al. *Rev Clin Esp* 149(5):429-33, 15 Jun 78 (Eng. Abstr.) (Spa)
- [LH and FSH hypophyseal reserve after stimulation with synthetic LHRH. V. Adrenal and thyroidal pathology, lipodystrophy and hemochromatosis] Villar Ortiz J, et al. *Rev Clin Esp* 149(3):223-8, 15 May 78 (Eng. Abstr.) (Spa)

## PHYSIOPATHOLOGY

- Thyroid function in hepatic schistosomiasis. Fahmy MH, et al. *Ann Trop Med Parasitol* 72(4):353-6, Aug 78
- A study of thyroid function in psychiatric in-patients. McLarty DG, et al. *Br J Psychiatry* 133:211-8, Sep 78
- Hypothalamo-pituitary-thyroid function in anorexia nervosa: influence of weight gain. Leslie RD, et al. *Br Med J* 2(6136):526-8, 19 Aug 78
- Thyroid function in early sub-acute thyroiditis. Górowski T, et al. *Clin Endocrinol (Oxf)* 9(2):175-8, Aug 78
- Gut-thyroid interrelationships. Miller LJ, et al. *Gastroenterology* 75(5):901-11, Nov 78 (204 ref.)
- Endocrine responses to malnutrition in animals with special reference to metabolic hormones. pp. 313-20. Leatham J.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Endocrine responses to chronic high altitude exposure. pp. 290-1. Nelson ML.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- The assessment of thyroid function and structure. Bain J, et al. *Otolaryngol Clin North Am* 11(2):419-43, Jun 78 (27 ref.)
- [Thyroid gland tumors in children. Functional and morphological estimation of thyroid gland following subroto strumectomy] Wójtowicz M, et al. *Endokrynol Pol* 29(4):297-304, Jul-Aug 78 (Eng. Abstr.) (Pol)
- [Hypothalamo-hypophyseal-thyroid relationship in patients with Itsenko-Cushing disease treated with chloditan] Slavov VN, et al. *Klin Med (Mosk)* 56(8):65-70, Aug 78 (Eng. Abstr.) (Rus)
- [Functional thyroid gland activity in malignant neoplasms of the head and neck after gamma teletherapy] Vorob'ev IuI, et al. *Med Radiol (Mosk)* 23(10):24-9, Oct 78 (Eng. Abstr.) (Rus)
- [Significance of a focal infection in acute and chronic



## THYROID GLAND

- suppurative otitis media] Lopatin BS. *Vestn Otorinolaringol* (5):81-5, Sep-Oct 78 (Rus)  
 [Protein bound iodine indices in patients with mastopathy] Sidorenko LN, et al. *Vopr Onkol* 24(8):31-6, 1978 (Eng. Abstr.) (Rus)  
 [Hypothalamo-thyroid disorders of predominantly infectious etiology] Piliavskaja LD, et al. *Vrach Delo* (6):136-7, Jun 78 (Rus)  
 [Functional morphology of the thyroid glands in infants in the perinatal period as dependent on the duration of hypoxic exposure during a goiter endemic in the city of Osh] Peliupashidi NI. *Zdravookhr Kirg* (4):26-30, Jul-Aug 78 (Rus)

### RADIATION EFFECTS

- Patient exposures and radiation risks in Swedish diagnostic radiology. Bengtsson G, et al.  
*Acta Radiol Oncol Radiat Phys Biol* 17(2):81-105, 1978  
 The thyroid nodule problem: an assessment [clinical conference] Werner SC. *Ariz Med* 35(8):546-8, 551, Aug 78  
 Radiation exposure to the operator performing cardiac angiography with U-arm systems. Balter S, et al. *Circulation* 58(5):925-32, Nov 78  
 Epidemiology of thyroid cancer--Part II. Schottenfeld D, et al. *Clin Bull* 7(3):98-104, 1977  
 Radioastatine: possible uses of a heavy halogen. pp. 139-44. Friedman AM.  
 In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
 [Functional thyroid gland activity in malignant neoplasms of the head and neck after gamma teletherapy] Vorob'ev Iul, et al. *Med Radiol (Mosk)* 23(10):24-9, Oct 78 (Eng. Abstr.) (Rus)

### RADIOGRAPHY

- [Clinical evaluation of CT value of the thyroid (author's transl)] Kaneko T, et al.  
*Nippon Igaku Hoshasen Gakkai Zasshi* 38(7):710-2, 25 Jul 78 (Eng. Abstr.) (Jpn)  
 [Pneumothoridography with direct contrasting of the thyroid gland] Fesenko VP, et al. *Klin Med (Mosk)* 56(8):54-7, Aug 78 (Eng. Abstr.) (Rus)

### RADIONUCLIDE IMAGING

- Scintigraphic estimation of thyroid volume and dose distribution at treatment with <sup>131</sup>I. Olsen KJ.  
*Acta Radiol Oncol Radiat Phys Biol* 17(1):74-80, 1978  
 Discordant thyroid nodule images with pertechnetate at 30 minutes and 3 hours. Balachandran S, et al.  
*Clin Nucl Med* 3(8):340, Aug 78  
 The assessment of thyroid function and structure. Bain J, et al. *Otolaryngol Clin North Am* 11(2):419-43, Jun 78 (27 ref.)  
 Nuclear medicine in otolaryngological diagnosis. Greyson ND, et al. *Otolaryngol Clin North Am* 11(2):541-60, Jun 78  
 An automated method for evaluation of the thyroid uptake of <sup>99m</sup>Tc-pertechnetate. Barbina V, et al. *Ric Clin Lab* 8(1-2):89-99, Jan-Jun 78  
 [Thyroid gland tumors in children. Functional and morphological estimation of thyroid gland following subroto strumectomy] Wójtowicz M, et al. *Endokrynol Pol* 29(4):297-304, Jul-Aug 78 (Eng. Abstr.) (Pol)  
 [Scanning and angiography in the diagnosis of thyroid tumors] Dionidis IA, et al. *Vestn Rentgenol Radiol* (4):43-8, Jul-Aug 78 (Eng. Abstr.) (Rus)

### SECRETION

- Regulation of TSH secretion in rats chronically exposed to heat (34 degrees C). Rousset B, et al. *Pfluegers Arch* 375(2):177-81, 18 Jul 78  
 Pituitary stalk-section and some of its effects on endocrine function in the fetal lamb. Abel MH, et al.  
*Q J Exp Physiol* 63(3):211-9, Jul 78

### ULTRASTRUCTURE

- Morphological changes on the free surface of thyroid cells at the hormone secretion by scanning electron microscopy. Kawada J, et al. *Endocrinol Jpn* 25(3):217-33, Jun 78  
 Light and electron microscopy observations in the thyroid gland of the pheasant (*Phasianus colchicus* L.). Velický J, et al. *Z Mikrosk Anat Forsch* 91(3):460-74, 1977  
 [Endocrine activities and ultrastructure of functioning nodular goiter] Ishida T, et al. *Hormon To Rinsho* 26(1):17-23, Jan 78 (Jpn)

## THYROID

- [Dynamics of the changes in thyroid gland parenchyma on thyrocalcitonin administration] Khomullo GV, et al.  
*Probl Endokrinol (Mosk)* 24(5):97-102, Sep-Oct 78 (Eng. Abstr.) (Rus)

## THYROIDECTOMY

- Effects of chronic TSH treatment on blood sugar, serum IRI and FFA levels of thyroidectomized dogs. Glucose and insulin tolerance tests. Renaud A, et al.  
*Acta Diabetol Lat* 15(3-4):119-32, May-Aug 78  
 Biochemical studies on the iodine organification defect of Pendred's syndrome. Niepomniszcze H, et al.  
*Acta Endocrinol (Copenh)* 89(1):70-9, Sep 78  
 Apneic threshold in intra-operative anesthesia. Manawadu BR, et al. *Adv Exp Med Biol* 99:135-42, 1978  
 Total thyroidectomy. The indications and results of 630 cases. Katz AD, et al. *Am J Surg* 136(4):450-4, Oct 78  
 The diagnosis of thyroid carcinoma during the postoperative period after less than total thyroidectomy. Marchetta FC, et al. *Am J Surg* 136(4):455-6, Oct 78  
 Stimulatory effect of calcitonin on calcium excretion into bile of thyroparathyroidectomized rats. Yamaguchi M, et al.  
*Chem Pharm Bull (Tokyo)* 26(7):1981-4, Jul 78  
 The assay of <sup>1</sup>alpha,25-dihydroxyvitamin D<sub>3</sub>: physiologic and pathological modulation of circulating hormone levels. Haussler MR, et al. *Clin Endocrinol (Oxf)* 5 Suppl:151S-165S, 1976  
 Metabolic changes induced by acute phosphate loading in acutely thyroparathyroidectomized rats. Oberleithner H, et al. *Curr Probl Clin Biochem* 8:472-3, 23-26 Oct 77  
 The thyroglobulin variations during the thyroid surgery for polynodular goiter, hyperthyroidism and cancer. Simionescu L, et al. *Endocrinologie* 16(3):219-22, Jul-Sep 78  
 Surgical goitre in Ethiopia. Makuria T. *Ethiop Med J* 15(4):169-72, Oct 77  
 Thyroidectomy and liver acid phosphatase from the aspect of circadian rhythm. Meitner ER, et al.  
*Folia Morphol (Praha)* 26(3):252-4, 1978  
 Thyroid tumor. McIntosh D. *J R Coll Surg Edinb* 23(5):266-84, Sep 78  
 Suppression of serum thyrotropin (TSH) concentrations following thyroidectomy and cold exposure by passive immunization with antiserum to thyrotropin-releasing hormone (TRH) in rats. Mori M, et al. *Metabolism* 27(10):1485-90, Oct 78  
 Natural history of familial medullary thyroid carcinoma: effect of a program for early diagnosis. Graze K, et al.  
*N Engl J Med* 299(18):980-5, 2 Nov 78  
 Nursing care study: partial thyroidectomy. Jackson AS.  
*Nurs Times* 74(43):1760-3, 26 Oct 78  
 Three obs. Keene CH. *Pharos* 41(3):20-2, Jul 78  
 Thyroid carcinoma: presentation of a clinical material with special aspects on the classification and operative treatment. Grimelius L, et al. *Ups J Med Sci* 83(1):35-9, 1978  
 Should hyperthyroidism be treated by surgery? Heimann P.  
*World J Surg* 2(3):281-7, May 78  
 [Value of the assay of plasma triiodothyronine level for the diagnosis of hyperthyroidism and hypothyroidism] Wiersinga WM, et al. *Ned Tijdschr Geneesk* 122(37):1349-58, 16 Sep 78 (Eng. Abstr.) (Dut)  
 [Electron microscope observation of 'thyroidectomy cells' in the hypophyseal ventral lobe of a Chondrichthyan fish, the small spotted dogfish, *Scyllium canicula* Cuv.] Alluchon-Gérard MJ, et al. *C R Acad Sci [D] (Paris)* 286(21):1511-4, 29 May 78 (Eng. Abstr.) (Fre)  
 [Effect of thyroidectomy on the properties of rat liver mitochondria during liver regeneration] Bouhnik J, et al. *C R Soc Biol (Paris)* 172(1):38-42, 1978 (Eng. Abstr.) (Fre)  
 [Intrathoracic goiter] Besznayák I, et al.  
*Acta Chir Acad Sci Hung* 19(1):17-44, 1978 (Ger)  
 [Pre- and postoperative medical treatment in total and subtotal thyroidectomies] Tamburrano G, et al. *Ann Laringol* 75(5-6):365-72, Sep-Dec 76 (Ita)  
 [Thyroid gland tumors in children. Functional and morphological estimation of thyroid gland following subroto strumectomy] Wójtowicz M, et al. *Endokrynol Pol* 29(4):297-304, Jul-Aug 78 (Eng. Abstr.) (Pol)  
 [Association of thyroid cancer and hyperthyroidism] Lazár C, et al. *Rev Med Chir Soc Med Nat Iasi* 82(2):241-4, Apr-Jun 78 (Eng. Abstr.) (Rum)  
 [Cancer of the thyroid gland in an endemic focus] Tochilin VI, et al. *Vestn Khir* 121(9):39-42, Sep 78 (Eng. Abstr.) (Rus)



## ADVERSE EFFECTS

- Prevention and management of hypothyroidism after thyroidectomy for thyrotoxicosis. Michie W, et al. *World J Surg* 2(3):307-19, May 78
- [Dysphonia following strumectomy. Laryngeal and vocal cord changes as sequelae of thyroid surgery] Gabriel P, et al. *Chirurg* 49(9):576-9, Sep 78 (Eng. Abstr.) (Ger)
- [Incidence of recurrent nerve paralysis in personal cases of thyroid surgery] Petronio R, et al. *Chir Ital* 30(5):501-7, Oct 78 (Eng. Abstr.) (Ita)
- [Postoperative complications following thyroidectomy for simple and hyperthyroid goiter at the teaching hospitals of the Medical Academy in Cracow and regional hospitals] Sznepka Z, et al. *Pol Przegl Chir* 50(6):455-9, Jun 78 (Eng. Abstr.) (Pol)

## METHODS

- On the question of technique of total thyroidectomy. Nahodil V. *Acta Univ Carol [Med] (Praha)* 23(3-4):143-50, 1977
- [Clinical and therapeutical aspects of 70 cases of thyroid neoplasms] Schrub JC, et al. *Sem Hop Paris* 54(5-8):360-1, Mar 78 (Fre)
- [Parathyroid neoplasm associated with hyperparathyroidism] Klempa I, et al. *Chirurg* 49(8):509-13, Aug 78 (Eng. Abstr.) (Ger)
- [Thyroid gland tumors in children. Functional and morphological estimation of thyroid gland following subtotal strumectomy] Wójtowicz M, et al. *Endokrynol Pol* 29(4):297-304, Jul-Aug 78 (Eng. Abstr.) (Pol)

# THYROID

## II. Disorders of the Thyroid Gland

### CRETINISM

#### PREVENTION & CONTROL

[Mass screening of cretinism] Miyai K. *Nippon Rinsho* (Jpn) Suppl:1552-3, May 78

### GOITER

#### BLOOD

Thyroglobulin and calcitonin in patients with nontoxic goiter. Levine GA, et al. *JAMA* 240(21):2282-3, 17 Nov 78  
[Radiocompetitive assay of cortisol and plasma protein binding capacity of cortisol in the course of surgical treatment of hyperactive struma] Puchalski Z. *Rocz Akad Med Białymstoku* 22:108-40, 1977 (Eng. Abstr.) (Pol)

#### CHEMICALLY INDUCED

Importance of thyroid iodine and cyclic AMP, and TSH concentrations on goitre formation in rats. Berthier C, et al. *Acta Endocrinol (Copenh)* 89(3):567-79, Nov 78  
Lithium and hypothyroidism. Piziak VK, et al. *J Clin Psychiatry* 39(9):709-11, Sep 78  
Iatrogenic congenital goiter and hypothyroidism with respiratory distress in a newborn. Melvin GR, et al. *SD J Med* 31(10):15-9, Oct 78

#### COMPLICATIONS

Prevalence of thyroid disorder in Down syndrome. Sare Z, et al. *Clin Genet* 14(3):154-8, Sep 78  
[Blepharochalasis (Fuchs) and the Laffer-Ascher syndrome] Mühlendyck H, et al. *Hautarzt* 29(9):474-7, Sep 78 (Eng. Abstr.) (Ger)

#### CONGENITAL

Iatrogenic congenital goiter and hypothyroidism with respiratory distress in a newborn. Melvin GR, et al. *SD J Med* 31(10):15-9, Oct 78  
[Iodide organification defect as the cause of congenital hypothyroidism in a 24-year-old man] Emmertsen K. *Ugeskr Laeger* 140(38):2304-6, 18 Sep 78 (Eng. Abstr.) (Dan)

#### DIAGNOSIS

Thyroglobulin and calcitonin in patients with nontoxic goiter. Levine GA, et al. *JAMA* 240(21):2282-3, 17 Nov 78  
The assessment of thyroid function and structure. Bain J, et al. *Otolaryngol Clin North Am* 11(2):419-43, Jun 78 (27 ref.)

#### DRUG THERAPY

Hypercalcitoninism and C-cell hyperplasia in rats with goiters produced by a low iodine diet or propylthiouracil. Peng TC, et al. *J Pharmacol Exp Ther* 206(3):710-17, Sep 78  
[Clinical use of synthetic thyroliberin (thyrotropin-releasing factor)] Starkova NT, et al. *Probl Endokrinol (Mosk)* 24(5):103-10, Sep-Oct 78 (Rus)

#### ENZYMOLGY

Biochemical studies on the iodine organification defect of Pendred's syndrome. Niepomniszcze H, et al. *Acta Endocrinol (Copenh)* 89(1):70-9, Sep 78

#### ETIOLOGY

[Postoperative complications following thyroidectomy for simple and hyperthyroid goiter at the teaching hospitals of the Medical Academy in Cracow and regional hospitals] Sznepka Z, et al. *Pol Przegl Chir* 50(6):455-9, Jun 78 (Eng. Abstr.) (Pol)  
[Role of tuberculosis in etiology and pathogenesis of juvenile

goiter] Karakhanian E. *Pediatrics* (9):48-50, Sep 78 (Rus)

#### FAMILIAL & GENETIC

[Iodide organification defect as the cause of congenital hypothyroidism in a 24-year-old man] Emmertsen K. *Ugeskr Laeger* 140(38):2304-6, 18 Sep 78 (Eng. Abstr.) (Dan)

#### METABOLISM

Importance of thyroid iodine and cyclic AMP, and TSH concentrations on goitre formation in rats. Berthier C, et al. *Acta Endocrinol (Copenh)* 89(3):567-79, Nov 78  
Different behaviour of 19S thyroglobulin extracted from normal thyroid, simple goitre and toxic goitre in polyacrylamide slab gel isoelectric focusing. Massi G, et al. *Acta Endocrinol (Copenh)* 89(2):296-302, Oct 78  
Biochemical studies on the iodine organification defect of Pendred's syndrome. Niepomniszcze H, et al. *Acta Endocrinol (Copenh)* 89(1):70-9, Sep 78  
[Quantitative changes in polyamines and histamine during the formation of goiter in rats] Matsuzaki S, et al. *Horumon To Rinsho* 26(1):31-4, Jan 78 (Jpn)

#### PATHOLOGY

Micronuclei studied in fine needle goitre aspirates. Nilsson G. *Acta Pathol Microbiol Scand [A]* 86(3):201-4, May 78  
Hypercalcitoninism and C-cell hyperplasia in rats with goiters produced by a low iodine diet or propylthiouracil. Peng TC, et al. *J Pharmacol Exp Ther* 206(3):710-17, Sep 78  
The assessment of thyroid function and structure. Bain J, et al. *Otolaryngol Clin North Am* 11(2):419-43, Jun 78 (27 ref.)

#### PHYSIOPATHOLOGY

[Radiocompetitive assay of cortisol and plasma protein binding capacity of cortisol in the course of surgical treatment of hyperactive struma] Puchalski Z. *Rocz Akad Med Białymstoku* 22:108-40, 1977 (Eng. Abstr.) (Pol)

#### RADIOGRAPHY

[Pneumothoridography with direct contrasting of the thyroid gland] Fesenko VP, et al. *Klin Med (Mosk)* 56(8):54-7, Aug 78 (Eng. Abstr.) (Rus)

#### RADIONUCLIDE IMAGING

Scintigraphic estimation of thyroid volume and dose distribution at treatment with <sup>131</sup>I. Olsen KJ. *Acta Radiol Oncol Radiat Phys Biol* 17(1):74-80, 1978  
The assessment of thyroid function and structure. Bain J, et al. *Otolaryngol Clin North Am* 11(2):419-43, Jun 78 (27 ref.)

#### RADIOTHERAPY

Scintigraphic estimation of thyroid volume and dose distribution at treatment with <sup>131</sup>I. Olsen KJ. *Acta Radiol Oncol Radiat Phys Biol* 17(1):74-80, 1978

#### SURGERY

Surgical goitre in Ethiopia. Makuria T. *Ethiop Med J* 15(4):169-72, Oct 77  
Three ohs. Keene CH. *Pharos* 41(3):20-2, Jul 78  
[Pre- and postoperative medical treatment in total and subtotal thyroidectomies] Tamburrano G, et al. *Ann Laringol* 75(5-6):365-72, Sep-Dec 76 (Ita)  
[Postoperative complications following thyroidectomy for simple and hyperthyroid goiter at the teaching hospitals of the Medical Academy in Cracow and regional hospitals] Sznepka Z, et al. *Pol Przegl Chir* 50(6):455-9, Jun 78 (Eng. Abstr.) (Pol)  
[Radiocompetitive assay of cortisol and plasma protein binding capacity of cortisol in the course of surgical treatment of hyperactive struma] Puchalski Z. *Rocz Akad Med Białymstoku* 22:108-40, 1977 (Eng. Abstr.) (Pol)  
[Use of hemodilution in surgery] Orłowski T, et al.



# THYROID

# GOITER, EXOPHTHALMIC

Wiad Lek 31(14):957-63, 15 Jul 78 (Eng. Abstr.) (Pol)

## GOITER, ENDEMIC

[Endemic goiter and the physical development of children] Januszko T, et al. *Rocz Akad Med Białymstoku* 22:149-57, 1977 (Eng. Abstr.) (Pol)

## BLOOD

[Cholinergic activity of blood of children with various forms of endemic goiter] Solov'eva VE, et al. *Pediatrics* (9):47-8, Sep 78 (Rus)

## COMPLICATIONS

[Cancer of the thyroid gland in an endemic focus] Tochilin VI, et al. *Vestn Khir* 121(9):39-42, Sep 78 (Eng. Abstr.) (Rus)

## ETIOLOGY

Epidemiology of endemic goitre in western Colombia. Gaitan E, et al. *Bull WHO* 56(3):403-16, 1978

## OCCURRENCE

Epidemiology of endemic goitre in western Colombia. Gaitan E, et al. *Bull WHO* 56(3):403-16, 1978

[Epidemiology of endemic struma during iodine salt prevention] Steiner H, et al. *Wien Med Wochenschr* 128(15):476-9, 15 Aug 78 (Ger)

## PHYSIOPATHOLOGY

[Functional morphology of the thyroid glands in infants in the perinatal period as dependent on the duration of hypoxic exposure during a goiter endemic in the city of Osh] Peliukpashidi NI. *Zdravookhr Kirg* (4):26-30, Jul-Aug 78 (Rus)

## PREVENTION & CONTROL

[Epidemiology of endemic struma during iodine salt prevention] Steiner H, et al. *Wien Med Wochenschr* 128(15):476-9, 15 Aug 78 (Ger)

## URINE

Epidemiology of endemic goitre in western Colombia. Gaitan E, et al. *Bull WHO* 56(3):403-16, 1978

## GOITER, EXOPHTHALMIC

Prevention and management of hyperthyroid storm. Dobyns BM. *World J Surg* 2(3):293-306, May 78  
[Basedow's disease—recent problems] Ito K. *Nippon Rinsho Suppl*:1200-1, May 78 (Jpn)

## BLOOD

T4 toxicosis in Graves' disease. Wogsurawat N. *J Kans Med Soc* 79(10):567-8, Oct 78  
[Value of the assay of plasma triiodothyronine level for the diagnosis of hyperthyroidism and hypothyroidism] Wiersinga WM, et al. *Ned Tijdschr Geneesk* 122(37):1349-58, 16 Sep 78 (Eng. Abstr.) (Dut)

## COMPLICATIONS

Thyrotoxic Graves's disease after primary hypothyroidism. Olczak S, et al. *Br Med J* 2(6138):666, 2 Sep 78  
Epidemiology of thyroid cancer—Part II. Schottenfeld D, et al. *Clin Bull* 7(3):98-104, 1977  
T4 toxicosis in Graves' disease. Wogsurawat N. *J Kans Med Soc* 79(10):567-8, Oct 78

## DIAGNOSIS

Ultrasonography and computer tomography in orbital diagnosis. With special reference to dysthyroid ophthalmopathy. Fledelius HC, et al. *Acta Ophthalmol (Copenh)* 56(5):751-62, Oct 78  
Thyroid function tests simulating Graves' disease in alcoholic hepatitis. Stuart DD, et al. *Ann Intern Med* 89(4):514-5, Oct 78

The assessment of thyroid function and structure. Bain J, et al. *Otolaryngol Clin North Am* 11(2):419-43, Jun 78 (27 ref.)  
[Hyperthyroidism in older patients] Brun R, et al. *Schweiz Med Wochenschr* 108(39):1504-10, 30 Sep 78 (Eng. Abstr.) (Fre)  
[Criteria of Basedow's disease and Hashimoto's disease] Mori T. *Nippon Rinsho Suppl*:1560-1, May 78 (Jpn)  
[Association of thyroid cancer and hyperthyroidism] Lazăr C, et al. *Rev Med Chir Soc Med Nat Iasi* 82(2):241-4, Apr-Jun 78 (Eng. Abstr.) (Rum)

## DRUG THERAPY

[Assessment of the effect of obsidan on the contractile function of the heart in toxic goiter] Mikhailov Ium, et al. *Probl Endokrinol (Mosk)* 24(5):29-36, Sep-Oct 78 (Eng. Abstr.) (Rus)

## ETIOLOGY

[Basedow's disease—etiology] Yamada T. *Nippon Rinsho Suppl*:1556-7, May 78 (Jpn)

## FAMILIAL & GENETIC

The HLA B w4/w6 diallelic system in Graves' disease. Farid NR, et al. *Tissue Antigens* 11(5):394-8, May 78  
HLA/Bf haplotypes in a Newfoundland family. Larsen B, et al. *Tissue Antigens* 12(1):39-43, Jul 78  
[Basedow's disease—recent problems] Ito K. *Nippon Rinsho Suppl*:1200-1, May 78 (Jpn)

## IMMUNOLOGY

New insights into thyroid physiology [news] *JAMA* 240(17):1833-4, 20 Oct 78  
Evidence that the TSH receptor acts as a mitogenic antigen in Graves' disease. Mäkinen T, et al. *Nature* 275(5678):314-5, 28 Sep 78  
The HLA B w4/w6 diallelic system in Graves' disease. Farid NR, et al. *Tissue Antigens* 11(5):394-8, May 78  
HLA/Bf haplotypes in a Newfoundland family. Larsen B, et al. *Tissue Antigens* 12(1):39-43, Jul 78  
[Thyroid stimulating antibodies (TSAb)—pathogenetic significance (editorial)] Wägar G. *Duodecim* 94(17):1024-7, 1978 (Fin)  
[Detection of circulating immune complexes using a laser-nephelometric assay (author's transl)] Helmke K, et al. *Immun Infekt* 6(5):173-9, Oct 78 (Ger)  
[T-cells and B-cells in the peripheral blood in Basedow's disease and Hashimoto's disease] Oshima K, et al. *Horumon To Rinsho* 26(1):25-9, Jan 78 (Jpn)

## METABOLISM

[Effect of propranolol on the index of triiodothyronine binding in Graves' disease] Mazanek-Szymańska E. *Pol Tyg Lek* 33(34):1551-2, 21 Aug 78 (Pol)

## PHYSIOPATHOLOGY

[Assessment of the effect of obsidan on the contractile function of the heart in toxic goiter] Mikhailov Ium, et al. *Probl Endokrinol (Mosk)* 24(5):29-36, Sep-Oct 78 (Eng. Abstr.) (Rus)

## RADIOTHERAPY

The treatment of hyperthyroidism. Crile G Jr. *World J Surg* 2(3):279-80, May 78

## SURGERY

Total thyroidectomy. The indications and results of 630 cases. Katz AD, et al. *Am J Surg* 136(4):450-4, Oct 78  
Prevention and management of hypothyroidism after thyroidectomy for thyrotoxicosis. Michie W, et al. *World J Surg* 2(3):307-19, May 78  
[Hyperthyroidism: 5-year evaluation] Barale F, et al. *Anesth Analg (Paris)* 35(2):351-6, Mar-Apr 78 (Fre)  
[Treatment of postoperative hypoparathyroidism with 1-alpha-hydroxycholecalciferol] Marinowska E, et al. *Pol Arch Med Wewn* 59(6):666-72, Jun 78 (Pol)

## THERAPY

Should hyperthyroidism be treated by surgery? Heimann P. *World J Surg* 2(3):281-7, May 78  
[Work capacity evaluation of patients with toxic goiter following treatment] Lebedeva NA. *Klin Med (Mosk)*

## GOITER, EXOPHTHALMIC

56(8):58-61, Aug 78 (Eng. Abstr.)

(Rus)

## GOITER, NODULAR

Thyroid tumor. McIntosh D. *J R Coll Surg Edinb* 23(5):266-84, Sep 78

### BLOOD

The thyroglobulin variations during the thyroid surgery for polynodular goiter, hyperthyroidism and cancer. Simionescu L, et al. *Endocrinologie* 16(3):219-22, Jul-Sep 78  
Thyroglobulin and calcitonin in patients with nontoxic goiter. Levine GA, et al. *JAMA* 240(21):2282-3, 17 Nov 78  
[Value of the assay of plasma triiodothyronine level for the diagnosis of hyperthyroidism and hypothyroidism] Wiersinga WM, et al. *Ned Tijdschr Geneesk* 122(37):1349-58, 16 Sep 78 (Eng. Abstr.) (Dut)  
[Endocrine activities and ultrastructure of functioning nodular goiter] Ishida T, et al. *Horumon To Rinsho* 26(1):17-23, Jan 78 (Jpn)

### COMPLICATIONS

The incidence of thyroiditis lesions in nodular goiter. Lazăr C, et al. *Endocrinologie* 16(3):231-4, Jul-Sep 78  
A question of priorities. Beisswenger P. *Hosp Pract* 13(6):151, 156-7, 162, Jun 78  
[Hyperthyroidism in older patients] Brun R, et al. *Schweiz Med Wochenschr* 108(39):1504-10, 30 Sep 78 (Eng. Abstr.) (Fre)

### DIAGNOSIS

A question of priorities. Beisswenger P. *Hosp Pract* 13(6):151, 156-7, 162, Jun 78  
Thyroglobulin and calcitonin in patients with nontoxic goiter. Levine GA, et al. *JAMA* 240(21):2282-3, 17 Nov 78  
[Hyperthyroidism in older patients] Brun R, et al. *Schweiz Med Wochenschr* 108(39):1504-10, 30 Sep 78 (Eng. Abstr.) (Fre)  
[Association of thyroid cancer and hyperthyroidism] Lazăr C, et al. *Rev Med Chir Soc Med Nat Iasi* 82(2):241-4, Apr-Jun 78 (Eng. Abstr.) (Rum)  
[Scanning and angiography in the diagnosis of thyroid tumors] Dionidis IA, et al. *Vestn Rentgenol Radiol* (4):43-8, Jul-Aug 78 (Eng. Abstr.) (Rus)

### IMMUNOLOGY

Evidence that the TSH receptor acts as a mitogenic antigen in Graves' disease. Mäkinen T, et al. *Nature* 275(5678):314-5, 28 Sep 78

### METABOLISM

Calcitonin activity of the thyroid gland in primary hyperparathyroidism. Broulik PD, et al. *Acta Endocrinol (Copenh)* 89(1):122-5, Sep 78

### PATHOLOGY

The incidence of thyroiditis lesions in nodular goiter. Lazăr C, et al. *Endocrinologie* 16(3):231-4, Jul-Sep 78  
Thyroid tumor. McIntosh D. *J R Coll Surg Edinb* 23(5):266-84, Sep 78  
[Endocrine activities and ultrastructure of functioning nodular goiter] Ishida T, et al. *Horumon To Rinsho* 26(1):17-23, Jan 78 (Jpn)

### PHYSIOPATHOLOGY

[Thyroid gland tumors in children. Functional and morphological estimation of thyroid gland following subtotomectomy] Wójtowicz M, et al. *Endokrynol Pol* 29(4):297-304, Jul-Aug 78 (Eng. Abstr.) (Pol)

### RADIONUCLIDE IMAGING

Scintigraphic estimation of the thyroid volume and dose distribution at treatment with <sup>131</sup>I. Olsen KJ. *Acta Radiol Oncol Radiat Phys Biol* 17(1):74-80, 1978

### SURGERY

Total thyroidectomy. The indications and results of 630 cases. Katz AD, et al. *Am J Surg* 136(4):450-4, Oct 78  
The thyroglobulin variations during the thyroid surgery for

## THYROID

polynodular goiter, hyperthyroidism and cancer. Simionescu L, et al. *Endocrinologie* 16(3):219-22, Jul-Sep 78  
Thyroid tumor. McIntosh D. *J R Coll Surg Edinb* 23(5):266-84, Sep 78  
Prevention and management of hypothyroidism after thyroidectomy for thyrotoxicosis. Michie W, et al. *World J Surg* 2(3):307-19, May 78  
[Hyperthyroidism: 5-year evaluation] Barale F, et al. *Anesth Analg (Paris)* 35(2):351-6, Mar-Apr 78 (Fre)  
[Intravascular disseminated clotting syndrome] Bielicki F, et al. *Wiad Lek* 31(11):769-74, 1 Jun 78 (Eng. Abstr.) (Pol)

## GOITER, SUBSTERNAL

[Hashimoto's intrathoracic goiter] Tanaka H, et al. *Horumon To Rinsho* 26(1):3-6, Jan 78 (Jpn)

### COMPLICATIONS

Mediastinal goiter and superior vena cava syndrome. Steenerson RL, et al. *Laryngoscope* 88(10):1688-90, Oct 78

### DIAGNOSIS

[Intrathoracic goiter] Besznyák I, et al. *Acta Chir Acad Sci Hung* 19(1):17-44, 1978 (Ger)

### ETIOLOGY

[Intrathoracic goiter] Besznyák I, et al. *Acta Chir Acad Sci Hung* 19(1):17-44, 1978 (Ger)

### SURGERY

[Intrathoracic goiter] Besznyák I, et al. *Acta Chir Acad Sci Hung* 19(1):17-44, 1978 (Ger)

## HYPERTHYROIDISM

### BLOOD

Discrepancies in thyroxine measurement in pregnancy between radioimmunoassay and competitive protein binding (Oxford Stat4). Baird SG, et al. *Ann Clin Biochem* 15(4):208-12, Jul 78  
Preliminary report on the use of propranolol in thyrotoxicosis: I. Effect on serum thyroxine, triiodothyronine and reverse triiodothyronine concentrations. Tevaarwerk GJ, et al. *Can Med Assoc J* 119(4):350-1, 360, 26 Aug 78  
125I-triiodothyronine plasma binding ratio test in assessment of thyroid function. Lin HT, et al. *Chin Med J [Engl]* 4(4):286-90, Jul 78  
Normalized androgen ratio: an index of free 17beta-hydroxysteroid concentration in serum. Gilliland JM, et al. *Clin Chem* 24(9):1500-3, Sep 78  
A method of assessing serum triiodothyronine concentrations that is independent of subject's age and variations in concentrations of binding proteins in serum. Mardell R, et al. *Clin Chem* 24(10):1792-8, Oct 78  
Triiodothyronine uptake test in which antibody-coated tubes are used compared to two other tests in which precipitation separations are used. Szpunar WE, et al. *Clin Chem* 24(9):1616-7, Sep 78  
The thyroglobulin variations during the thyroid surgery for polynodular goiter, hyperthyroidism and cancer. Simionescu L, et al. *Endocrinologie* 16(3):219-22, Jul-Sep 78  
Radioimmunoassay of triiodothyronine and thyroxine in capillary blood. Ljunggren JG, et al. *Scand J Clin Lab Invest* 38(6):593-5, Oct 78  
[Triiodothyronine thyrotoxicosis in a female patient with thyroiditis (author's transl)] Felt V, et al. *Cas Lek Cesk* 117(29-30):924-6, 28 Jul 78 (Eng. Abstr.) (Cze)  
[Thyrotropin-releasing hormone and its effect on 3,3',5'-l-triiodothyronine ('reverse T3') in patients with hyper- and hypothyroidism (author's transl)] Nedvídková J, et al. *Cas Lek Cesk* 117(29-30):913-6, 28 Jul 78 (Eng. Abstr.) (Cze)  
[Value of the assay of plasma triiodothyronine level for the diagnosis of hyperthyroidism and hypothyroidism] Wiersinga WM, et al. *Ned Tijdschr Geneesk* 122(37):1349-58, 16 Sep 78 (Eng. Abstr.) (Dut)  
[A study on the multivariate analysis of 13 kinds of serum proteins in patients with hyperthyroidism (author's transl)] Mitani H. *Nippon Naibunpi Gakkai Zasshi* 54(5):619-35, 20 May 78 (Eng. Abstr.) (Jpn)  
[T3 toxicosis] Mitsuma T. *Nippon Rinsho Suppl*:1558-9, May



## CHEMICALLY INDUCED

- The effect of altered thyroid state on prolactin binding to liver and 7,12-dimethylbenz(a)anthracene-induced mammary tumors in rats. Smith RD, et al. *Proc Soc Exp Biol Med* 158(4):517-20, Sep 78
- [Risk to patients with latent or manifest hyperthyroidism through iodine-containing contrast media and drugs (author's transl)] Herrmann J, et al. *Dtsch Med Wochenschr* 103(37):1434, 1437-43, 15 Sep 78 (Eng. Abstr.) (Ger)
- [Iodine-induced hyperthyroidism (letter)] Kutter D, et al. *Dtsch Med Wochenschr* 103(43):1716, 27 Oct 78 (Ger)
- [Iodine-induced hyperthyroidism (letter)] Viehues, et al. *Dtsch Med Wochenschr* 103(42):1677, 20 Oct 78 (Ger)
- [Epidemiology of endemic struma during iodine salt prevention] Steiner H, et al. *Wien Med Wochenschr* 128(15):476-9, 15 Aug 78 (Ger)

## COMPLICATIONS

- Thyroiditis in myasthenia gravis. Aarli JA, et al. *Acta Neurol Scand* 58(2):121-7, Aug 78
- Neurotransmitter mechanisms during mental illness induced by alterations in thyroid function. Singhal RL, et al. *Adv Pharmacol Chemother* 15:203-62, 1978 (250 ref.)
- Radioiodine treated hyperthyroidism and thyroid carcinoma. Appell R, et al. *Am Surg* 44(8):537-40, Aug 78
- Bullets, lead poisoning and thyrotoxicosis. Cagin CR, et al. *Ann Intern Med* 89(4):509-11, Oct 78
- Thyrotoxicosis and the course of manic-depressive illness. Checkley SA. *Br J Psychiatry* 133:219-23, Sep 78
- A study of thyroid function in psychiatric in-patients. McLarty DG, et al. *Br J Psychiatry* 133:211-8, Sep 78
- Prevalence of thyroid disorder in Down syndrome. Sare Z, et al. *Clin Genet* 14(3):154-8, Sep 78
- A question of priorities. Beisswenger P. *Hosp Pract* 13(6):151, 156-7, 162, Jun 78
- Cardiovascular manifestations in thyroid disorders. Akhtar M, et al. *Indian Heart J* 30(4):203-7, Jul-Aug 78
- Hyperthyroidism and periodic paralysis. Hypokalemia in a black patient. Minns G, et al. *J Kans Med Soc* 79(9):509-10, Sep 78
- Down's syndrome and thyroid dysfunction. Morton DA, et al. *J Natl Med Assoc* 70(1):27-9, Jan 78
- Encephalomyelitis with thyrotoxicosis. Bassi S, et al. *J Neurol* 218(4):293-5, 25 Aug 78
- Concurrent hyperthyroidism and hyperparathyroidism: report of two cases. Males JL, et al. *J Okla State Med Assoc* 71(10):382-5, Oct 78
- Temporo-mandibular joint changes in renal osteodystrophy. Cappelini G, et al. *Radiol Clin (Basel)* 47(5):330-3, 1978
- [Hyperthyroidism in older patients] Brun R, et al. *Schweiz Med Wochenschr* 108(39):1504-10, 30 Sep 78 (Eng. Abstr.) (Fre)
- [Sinus-node syndrome and hyperthyroidism (letter)] Wambach G, et al. *Dtsch Med Wochenschr* 103(41):1625, 13 Oct 78 (Ger)
- [Cerebrotendinous xanthomatosis with hyperthyroidism (author's transl)] Murakami S, et al. *Rinsho Shinkeigaku* 18(6):312-20, Jun 78 (Eng. Abstr.) (Jpn)
- [Postoperative complications following thyroidectomy for simple and hyperthyroid goiter at the teaching hospitals of the Medical Academy in Cracow and regional hospitals] Sznappa Z, et al. *Pol Przegl Chir* 50(6):455-9, Jun 78 (Eng. Abstr.) (Pol)
- [Clinico-anatomic parallels in hyperthyreosis in children] Chebysheva AZ, et al. *Pediatrics* (9):50-3, Sep 78 (Eng. Abstr.) (Rus)
- [Interrelationship between gastroenterologic and hematologic disorders in congenital hyperthyroidism] Kalinin AP, et al. *Pediatrics* (9):53-7, Sep 78 (Eng. Abstr.) (Rus)
- [Differential diagnosis of jaundice in thyrotoxicosis and viral hepatitis] Bychkova VI. *Ter Arkh* 50(8):51-4, 1978 (Eng. Abstr.) (Rus)
- [Adrenal glucocorticoid and mineralocorticoid functions in postthyrotoxic encephalopathopathy] Romashkan NV, et al. *Vrach Delo* (9):94-7, Sep 78 (Eng. Abstr.) (Rus)
- [Vitiligo and thyroid diseases] Simova N, et al. *Srp Arh Celok Lek* 105(12):1121-7, Dec 77 (Eng. Abstr.) (Sec)

## CONGENITAL

- [Interrelationship between gastroenterologic and hematologic disorders in congenital hyperthyroidism] Kalinin AP, et al. *Pediatrics* (9):53-7, Sep 78 (Eng. Abstr.) (Rus)

- Thyroid screening with triiodothyronine assay. Zipf RE Jr. *Ann Clin Lab Sci* 8(5):372-5, Sep-Oct 78
- Oral administration of thyrotropin-releasing hormone (TRH) in the diagnosis of thyreopathies. Felt V, et al. *Czech Med* 1(3):162-8, 1978
- New form of hyperthyroidism transient, best not treated [news] *Hosp Pract* 13(8):44, 46, 48 passim, Aug 78
- A question of priorities. Beisswenger P. *Hosp Pract* 13(6):151, 156-7, 162, Jun 78
- [Risk to patients with latent or manifest hyperthyroidism through iodine-containing contrast media and drugs (author's transl)] Herrmann J, et al. *Dtsch Med Wochenschr* 103(37):1434, 1437-43, 15 Sep 78 (Eng. Abstr.) (Ger)
- [Differential diagnosis of jaundice in thyrotoxicosis and viral hepatitis] Bychkova VI. *Ter Arkh* 50(8):51-4, 1978 (Eng. Abstr.) (Rus)
- [Clinical significance of the basal determinations of TSH and its response to TRH in the study of hyperthyroid patients treated with I131] Marañón González G, et al. *Rev Clin Esp* 149(5):429-33, 15 Jun 78 (Eng. Abstr.) (Spa)

- [Radioimmunometric determinations of thyroid hormones in the clinical management of hyperthyroidism (author's transl)] Dutrem MT, et al. *Rev Invest Clin* 30(3):231-40, Jul-Sep 78 (Eng. Abstr.) (Spa)

## DRUG THERAPY

- Comparative trial of atenolol and propranolol in hyperthyroidism. McDewitt DG, et al. *Br J Clin Pharmacol* 6(3):233-7, Sep 78
- Preliminary report on the use of propranolol in thyrotoxicosis: I. Effect on serum thyroxine, triiodothyronine and reverse triiodothyronine concentrations. Tevaarwerk GJ, et al. *Can Med Assoc J* 119(4):350-1, 360, 26 Aug 78
- Role of lithium in radioiodide therapy. pp. 113-9. Burrow GN, et al. In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.
- Cardiovascular manifestations in thyroid disorders. Akhtar M, et al. *Indian Heart J* 30(4):203-7, Jul-Aug 78
- Evaluation of propranolol in the preoperative control of thyrotoxicosis. Kapur MM, et al. *Indian J Med Res* 67:453-61, Mar 78
- Encephalomyelitis with thyrotoxicosis. Bassi S, et al. *J Neurol* 218(4):293-5, 25 Aug 78
- Use of I-123 in early radioiodide uptake and its suppression in children and adolescents with hyperthyroidism. Lee WN, et al. *J Nucl Med* 19(9):985-93, Sep 78
- High marks for hyperthyroid therapies [news] Check W. *JAMA* 240(17):1832-3, 20 Oct 78
- Clinical usefulness of the beta-adrenergic antagonists. Lubbe WF. *S Afr Med J* 54(4):139-48, 22 Jul 78 (48 ref.)
- Prevention and management of hyperthyroid storm. Dobyns BM. *World J Surg* 2(3):293-306, May 78
- Prevention and management of hypothyroidism after thyroidectomy for thyrotoxicosis. Michie W, et al. *World J Surg* 2(3):307-19, May 78
- [Vegetating iododerma] Labohm EB. *Ned Tijdschr Geneesk* 122(35):1291-3, 2 Sep 78 (Eng. Abstr.) (Dut)
- [Indications for beta-blockers in neurology] Schoenen J, et al. *Acta Clin Belg* 33(2):130-40, 1978 (Eng. Abstr.) (Fre)
- [Risk to patients with latent or manifest hyperthyroidism through iodine-containing contrast media and drugs (author's transl)] Herrmann J, et al. *Dtsch Med Wochenschr* 103(37):1434, 1437-43, 15 Sep 78 (Eng. Abstr.) (Ger)
- [Beta-receptor blockers in hyperthyreosis] Labhart A, et al. *Internist (Berlin)* 19(9):538-41, Sep 78 (Ger)
- [Beta receptor blockers. Introduction] Riecker G. *Internist (Berlin)* 19(9):501-3, Sep 78 (Ger)
- [Therapy with beta-blocking-agents (author's transl)] Bolte HD. *MMW* 120(44):1461-6, 3 Nov 78 (Eng. Abstr.) (Ger)
- [Clinico-anatomic parallels in hyperthyreosis in children] Chebysheva AZ, et al. *Pediatrics* (9):50-3, Sep 78 (Eng. Abstr.) (Rus)
- [Clinical use of synthetic thyroliberin (thyrotropin-releasing factor)] Starkova NT, et al. *Probl Endokrinol (Mosk)* 24(5):103-10, Sep-Oct 78 (Rus)
- [Radioimmunometric determinations of thyroid hormones in the clinical management of hyperthyroidism (author's transl)] Dutrem MT, et al. *Rev Invest Clin* 30(3):231-40, Jul-Sep 78 (Eng. Abstr.) (Spa)
- [Serum levels of T3 and T4 in hyperthyroidism during the administration of antithyroid drugs (author's transl)] Gómez Vargas E, et al. *Rev Invest Clin* 30(3):265-71, Jul-Sep 78

## HYPERTHYROIDISM

(Eng. Abstr.)

### ENZYMOLGY

Serum arginase activity in rabbits with experimental thyroid dysfunction and with experimental diabetes. Głębowska H, et al. *Mater Med Pol* 10(2):107-11, Apr-Jun 78

### ETIOLOGY

[Triiodothyronine thyrotoxicosis in a female patient with thyroiditis (author's transl)] Felt V, et al. *Cas Lek Cesk* 117(29-30):924-6, 28 Jul 78 (Eng. Abstr.) (Cze)  
[Association of thyroid cancer and hyperthyroidism] Lazár C, et al. *Rev Med Chir Soc Med Nat Iasi* 82(2):241-4, Apr-Jun 78 (Eng. Abstr.) (Rum)

### FAMILIAL & GENETIC

Maternal propylthiouracil to manage fetal hyperthyroidism [letter] Serup J. *Lancet* 2(8095):896, 21 Oct 78

### IMMUNOLOGY

Antibodies to *Yersinia enterocolitica* serotype 3 in thyroid disease. Reynolds MT, et al. *Br Med J* 2(6134):400-1, 5 Aug 78  
Prevalence of thyroid disorder in Down syndrome. Sare Z, et al. *Clin Genet* 14(3):154-8, Sep 78  
Down's syndrome and thyroid dysfunction. Morton DA, et al. *J Natl Med Assoc* 70(1):27-9, Jan 78  
HLA and thyrotoxicosis (Graves' disease) in Chinese. Chan SH, et al. *Tissue Antigens* 12(2):109-14, Aug 78  
Prevention and management of hypothyroidism after thyroidectomy for thyrotoxicosis. Michie W, et al. *World J Surg* 2(3):307-19, May 78  
[Cellular immunity indices after radioiodine therapy of thyrotoxicosis] Livergant IuE, et al. *Med Radiol (Mosk)* 23(10):29-34, Oct 78 (Eng. Abstr.) (Rus)

### METABOLISM

Bullets, lead poisoning and thyrotoxicosis. Cagin CR, et al. *Ann Intern Med* 89(4):509-11, Oct 78  
Brain 5-hydroxytryptamine metabolism: adaptive changes after long-term administration of psychotropic drugs. Rastogi RB, et al. *Gen Pharmacol* 9(5):307-14, 1978 (72 ref.)  
New form of hyperthyroidism transient, best not treated [news] *Hosp Pract* 13(8):44, 46, 48 passim, Aug 78  
Use of I-123 in early radioiodide uptake and its suppression in children and adolescents with hyperthyroidism. Lee WN, et al. *J Nucl Med* 19(9):985-93, Sep 78  
The effect of altered thyroid state on prolactin binding to liver and 7,12-dimethylbenz(a)anthracene-induced mammary tumors in rats. Smith RD, et al. *Proc Soc Exp Biol Med* 158(4):517-20, Sep 78  
[The behavior of free fatty acids and free glycerin in functional thyroid gland disorders] Müller U, et al. *Z Gesamte Inn Med* 33(16):565-7, 15 Aug 78 (Eng. Abstr.) (Ger)

### PATHOLOGY

Thyroiditis in myasthenia gravis. Aarli JA, et al. *Acta Neurol Scand* 58(2):121-7, Aug 78  
[Effects of thyroid hormones and heat value restriction of food intake on the glial surrounding and soma development of Purkinje cell (author's transl)] Rebière A, et al. *Acta Neuropathol (Berl)* 43(3):221-8, 15 Sep 78 (Eng. Abstr.) (Fre)

### PHYSIOPATHOLOGY

Cardiac systolic time intervals in thyroid disorders [editorial] Mazzaferri EL, et al. *Arch Intern Med* 138(10):1470-1, Oct 78  
Comparative trial of atenolol and propranolol in hyperthyroidism. McDevitt DG, et al. *Br J Clin Pharmacol* 6(3):233-7, Sep 78  
Catecholamine sensitivity in hyperthyroidism and hypothyroidism. McDevitt DG, et al. *Br J Clin Pharmacol* 6(4):297-301, Oct 78  
Systolic time intervals in thyroid disorders. Srivastava SC, et al. *Indian Heart J* 30(4):224-9, Jul-Aug 78  
Abnormalities of liver function tests in thyrotoxicosis. Thompson P Jr, et al. *Milit Med* 143(8):548-51, Aug 78  
The assessment of thyroid function and structure. Bain J, et al. *Otolaryngol Clin North Am* 11(2):419-43, Jun 78 (27 ref.)  
[Beta-receptor blockers in hyperthyreosis] Labhart A, et al. *Internist (Berlin)* 19(9):538-41, Sep 78 (Ger)

## THYROID

(Spa)

[Apex heart beat in hyperthyroidism] Dąbrowska B, et al. *Pol Arch Med Wewn* 60(1):15-21, Jul 78 (Eng. Abstr.) (Pol)

[Effect of thyroxine and noradrenaline on the energetics of muscle contraction] Pchelenko LD. *Fiziol Zh SSSR* 64(8):1124-8, Aug 78 (Eng. Abstr.) (Rus)  
[Mechanism of the effect of pyrogenic substances on the thermoregulatory centers in thyroid gland function disorders] Medvedeva GI. *Patol Fiziol Eksp Ter* (4):40-3, Jul-Aug 78 (Eng. Abstr.) (Rus)  
[Reactivity of the sympathetic-adrenal system in juvenile thyrotoxicosis] Natarov VV, et al. *Probl Endokrinol (Mosk)* 24(5):25-9, Sep-Oct 78 (Eng. Abstr.) (Rus)

### PREVENTION & CONTROL

Maternal propylthiouracil to manage fetal hyperthyroidism [letter] Serup J. *Lancet* 2(8095):896, 21 Oct 78  
[Epidemiology of endemic struma during iodine salt prevention] Steiner H, et al. *Wien Med Wochenschr* 128(15):476-9, 15 Aug 78 (Ger)

### RADIOGRAPHY

[Clinical evaluation of CT value of the thyroid (author's transl)] Kaneko T, et al. *Nippon Igaku Hoshasen Gakkai Zasshi* 38(7):710-2, 25 Jul 78 (Eng. Abstr.) (Jpn)

### RADIOTHERAPY

Scintigraphic estimation of thyroid volume and dose distribution at treatment with <sup>131</sup>I. Olsen KJ. *Acta Radiol Oncol Radiat Phys Biol* 17(1):74-80, 1978  
Radioiodine treated hyperthyroidism and thyroid carcinoma. Appell R, et al. *Am Surg* 44(8):537-40, Aug 78  
Treatment of hyperthyroidism: use of <sup>131</sup>I and <sup>125</sup>I. pp. 85-99. Atkins HL.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
Role of lithium in radioiodide therapy. pp. 113-9. Burrow GN, et al.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
Attempts to reduce whole-body radiation. pp. 121-8. Spencer RP.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
Avoiding inadvertent fetal radiation resulting from <sup>131</sup>I therapy for hyperthyroidism. pp. 129-38. Stoffer SS, et al.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
High marks for hyperthyroid therapies [news] Check W. *JAMA* 240(17):1832-3, 20 Oct 78  
The treatment of hyperthyroidism. Crile G Jr.  
World J Surg 2(3):279-80, May 78  
Should hyperthyroidism be treated by surgery? Heimann P. World J Surg 2(3):281-7, May 78  
[Hyperthyroidism in older patients] Brun R, et al. *Schweiz Med Wochenschr* 108(39):1504-10, 30 Sep 78 (Eng. Abstr.) (Fre)  
[Treatment with radioisotopes] McDougall IR. *Internist (Berlin)* 19(7):431-6, Jul 78 (Ger)  
[Practice-related diagnostic program for disease control during and following therapy of thyroid diseases] Galvan G. *Wien Med Wochenschr* 128(16):529-32, 1978 (Ger)  
[Cellular immunity indices after radioiodine therapy of thyrotoxicosis] Livergant IuE, et al. *Med Radiol (Mosk)* 23(10):29-34, Oct 78 (Eng. Abstr.) (Rus)  
[Clinical significance of the basal determinations of TSH and its response to TRH in the study of hyperthyroid patients treated with <sup>131</sup>I] Marañón González G, et al. *Rev Clin Esp* 149(5):429-33, 15 Jun 78 (Eng. Abstr.) (Spa)

### SURGERY

Radioiodine treated hyperthyroidism and thyroid carcinoma. Appell R, et al. *Am Surg* 44(8):537-40, Aug 78  
The thyroglobulin variations during the thyroid surgery for polynodular goiter, hyperthyroidism and cancer. Simionescu L, et al. *Endocrinologie* 16(3):219-22, Jul-Sep 78  
Evaluation of propranolol in the preoperative control of thyrotoxicosis. Kapur MM, et al. *Indian J Med Res* 67:453-61, Mar 78  
Should hyperthyroidism be treated by surgery? Heimann P. World J Surg 2(3):281-7, May 78  
Prevention and management of hypothyroidism after



## THYROID

- thyroidectomy for thyrotoxicosis. Michie W, et al. *World J Surg* 2(3):307-19, May 78
- [Hyperthyroidism: 5-year evaluation] Barale F, et al. *Anesth Analg (Paris)* 35(2):351-6, Mar-Apr 78 (Fre)
- [Practice-related diagnostic program for disease control during and following therapy of thyroid diseases] Galvan G. *Wien Med Wochenschr* 128(16):529-32, 1978 (Ger)

### THERAPY

- New form of hyperthyroidism transient, best not treated [news] *Hosp Pract* 13(8):44, 46, 48 passim, Aug 78
- [Indications and use of therapeutic component separation] Tilz GP, et al. *Med Klin* 73(39):1351-5, 29 Sep 78 (Eng. Abstr.) (Ger)
- [Treatment of hyperthyroidism] Noguchi A. *Nippon Rinsho Suppl*:1566-7, May 78 (Jpn)

### URINE

- [Reactivity of the sympathetic-adrenal system in juvenile thyrotoxicosis] Natarov VV, et al. *Probl Endokrinol (Mosk)* 24(5):25-9, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Adrenal glucocorticoid and mineralocorticoid functions in postthyrotoxic encephalopathy] Romashkan NV, et al. *Vrach Delo* (9):94-7, Sep 78 (Eng. Abstr.) (Rus)

## HYPOTHYROIDISM

- [Transient postpartum hypothyroidism] Amino N. *Nippon Rinsho Suppl*:1562-3, May 78 (Jpn)

### BLOOD

- Effects of chronic TSH treatment on blood sugar, serum IRI and FFA levels of thyroidectomized dogs. Glucose and insulin tolerance tests. Renauld A, et al. *Acta Diabetol Lat* 15(3-4):119-32, May-Aug 78
- Effects of substitution with thyroxine on the thyrotrophin (TSH) response to thyrotrophin-releasing hormone (TRH) in severe primary myxoedema and in mild hypothyroidism following prolonged thyrostatic therapy. Fischer HR, et al. *Acta Endocrinol (Copenh)* 89(2):303-15, Oct 78
- Normalized androgen ratio: an index of free 17 $\beta$ -hydroxysteroid concentration in serum. Gilliland JM, et al. *Clin Chem* 24(9):1500-3, Sep 78
- Triiodothyronine uptake test in which antibody-coated tubes are used compared to two other tests in which precipitation separations are used. Szpunar WE, et al. *Clin Chem* 24(9):1616-7, Sep 78
- Effect of apomorphine and piribedil on the secretion of thyrotrophin and prolactin in patients with primary hypothyroidism. Masala A, et al. *Metabolism* 27(11):1608-12, Nov 78
- Platelet hypoaggregability in hypothyroid rats. O'Regan S, et al. *Proc Soc Exp Biol Med* 158(4):575-7, Sep 78
- Radioimmunoassay of triiodothyronine and thyroxine in capillary blood. Ljunggren JG, et al. *Scand J Clin Lab Invest* 38(6):593-5, Oct 78
- Clinicopathological studies in experimental hypothyroidism in goats. Sreekumaran T, et al. *Vet Pathol* 15(4):549-55, Jul 78
- [Thyrotrophin-releasing hormone and its effect on 3,3',5'-L-triiodothyronine ('reverse T3') in patients with hyper- and hypothyroidism (author's transl)] Nedvidková J, et al. *Cas Lek Cesk* 117(29-30):913-6, 28 Jul 78 (Eng. Abstr.) (Cze)
- [Value of the assay of plasma triiodothyronine level for the diagnosis of hyperthyroidism and hypothyroidism] Wiersinga WM, et al. *Ned Tijdschr Geneesk* 122(37):1349-58, 16 Sep 78 (Eng. Abstr.) (Dut)
- [Transient hypothyroidism in 8 low birth weight newborns. Role of topical application of iodine chemicals] Malpuech G, et al. *Arch Fr Pediatr* 35(6):620-30, Jun-Jul 78 (Eng. Abstr.) (Fre)
- [Neonatal detection of hypothyroidism in the South-Pyrenean region. Results of 14,000 determinations of T4 in blood eluates collected on blotting-paper] Rochiccioli P, et al. *Arch Fr Pediatr* 35(6):589-94, Jun-Jul 78 (Eng. Abstr.) (Fre)
- [Effects of clinically used drugs on pituitary hormone secretion] Kobayashi K, et al. *Hormon To Rinsho* 26(1):35-8, Jan 78 (Jpn)
- [Serum lipoproteins in hypothyroidism] Barańska H, et al. *Pol Tyg Lek* 33(30):1169-72, 24 Jul 78 (Eng. Abstr.) (Pol)
- [Evaluation of the effectiveness of treatment of hypothyroidism according to the blood serum level of

## HYPOTHYROIDISM

- triiodothyronine and thyroxine] Izmailov GI. *Vrach Delo* (6):108-10, Jun 78 (Eng. Abstr.) (Rus)

### CHEMICALLY INDUCED

- Effects of substitution with thyroxine on the thyrotrophin (TSH) response to thyrotrophin-releasing hormone (TRH) in severe primary myxoedema and in mild hypothyroidism following prolonged thyrostatic therapy. Fischer HR, et al. *Acta Endocrinol (Copenh)* 89(2):303-15, Oct 78
- Lithium and hypothyroidism. Piziak VK, et al. *J Clin Psychiatry* 39(9):709-11, Sep 78
- Fetal and neonatal hypothyroidism due to antithyroid-drug therapy [letter] Serup J. *Lancet* 2(8094):845, 14 Oct 78
- The effect of altered thyroid state on prolactin binding to liver and 7,12-dimethylbenz(a)anthracene-induced mammary tumors in rats. Smith RD, et al. *Proc Soc Exp Biol Med* 158(4):517-20, Sep 78
- Iatrogenic congenital goiter and hypothyroidism with respiratory distress in a newborn. Melvin GR, et al. *SD J Med* 31(10):15-9, Oct 78
- Clinicopathological studies in experimental hypothyroidism in goats. Sreekumaran T, et al. *Vet Pathol* 15(4):549-55, Jul 78
- [Transient hypothyroidism in 8 low birth weight newborns. Role of topical application of iodine chemicals] Malpuech G, et al. *Arch Fr Pediatr* 35(6):620-30, Jun-Jul 78 (Eng. Abstr.) (Fre)
- [Maintenance therapy with antidepressants with special reference to lithium salts (author's transl)] Müller-Oerlinghausen B. *Nervenarzt* 49(9):507-17, Sep 78 (106 ref.) (Ger)
- [Complications occurring in the course of lithium salts treatment as a cause for the interruption of treatment] Beresewicz M, et al. *Psychiatr Pol* 12(3):397-401, May-Jun 78 (Eng. Abstr.) (Pol)

### COMPLICATIONS

- Hyperprolactinaemia in a boy with hypothyroidism due to an ectopic thyroid. Roitman A, et al. *Acta Paediatr Belg* 31(3):155-7, Jul-Sep 78
- Neurological abnormalities in patients treated for hypothyroidism from early life. Macfaul R, et al. *Arch Dis Child* 53(8):611-9, Aug 78
- Immune complex glomerulonephritis mediated by thyroid antigens. Jordan SC, et al. *Arch Pathol Lab Med* 102(10):530-3, Oct 78
- A study of thyroid function in psychiatric in-patients. McLarty DG, et al. *Br J Psychiatry* 133:211-8, Sep 78
- Thyrotoxic Graves's disease after primary hypothyroidism. Olczak S, et al. *Br Med J* 2(6138):666, 2 Sep 78
- Prevalence of thyroid disorder in Down syndrome. Sare Z, et al. *Clin Genet* 14(3):154-8, Sep 78
- Cardiovascular manifestations in thyroid disorders. Akhtar M, et al. *Indian Heart J* 30(4):203-7, Jul-Aug 78
- A study on hypothyroidism in a school for the mentally retarded in Bandung. Asikin J, et al. *Paediatr Indones* 18(5-6):141-50, May-Jun 78
- Platelet hypoaggregability in hypothyroid rats. O'Regan S, et al. *Proc Soc Exp Biol Med* 158(4):575-7, Sep 78
- [Long-term psychopathologic evolution in 10 patients with thyroid insufficiency] Belloir A, et al. *Pediatric* 33(5):475-89, Jul-Aug 78 (Eng. Abstr.) (Fre)
- [Hypothyroidism with encephalopathy and polyneuropathy] Podemski R, et al. *Pol Tyg Lek* 33(36):1421-2, 4 Sep 78 (Eng. Abstr.) (Pol)
- [Glycoregulation in hypothyroidism] Djurić DC, et al. *Srp Arh Celok Lek* 105(11):951-65, Nov 77 (Eng. Abstr.) (Sec)

### CONGENITAL

- Congenital thyroid disease detected by screening program. Lyon J, et al. *Alaska Med* 20(4):56-9, Jul 78
- Neurological abnormalities in patients treated for hypothyroidism from early life. Macfaul R, et al. *Arch Dis Child* 53(8):611-9, Aug 78
- Neonatal thyroxine screening by use of a single-tube solid-phase radioimmunoassay. Bell AB, et al. *Clin Chem* 24(10):1755-8, Oct 78
- Avoiding inadvertent fetal radiation resulting from 131I therapy for hyperthyroidism. pp. 129-38. Stoffer SS, et al.
- In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grunc & Stratton, 1978. WN 450 T398 1977.
- Congenital hypothyroidism and IQ increase: a quarter century follow-up. Money J, et al. *J Pediatr* 93(3):432-4, Sep 78
- Neonatal thyroid screening. Fisher DA. *Pediatr Clin North Am* 25(3):423-9, Aug 78

## HYPOTHYROIDISM

- American Academy of Pediatrics. Committee on Drugs. Treatment of congenital hypothyroidism. *Pediatrics* 62(3):413-7, Sep 78
- Iatrogenic congenital goiter and hypothyroidism with respiratory distress in a newborn. Melvin GR, et al. *SD J Med* 31(10):15-9, Oct 78
- [Possibilities in the screening for congenital hypothyreosis] Hníková O, et al. *Cesk Pediatr* 33(7):395-7, Jul 78 (Eng. Abstr.) (Cze)
- [Iodide organification defect as the cause of congenital hypothyroidism in a 24-year-old man] Emmertsen K. *Ugeskr Laeger* 140(38):2304-6, 18 Sep 78 (Eng. Abstr.) (Dan)
- [Neonatal detection of hypothyroidism in the South-Pyrenean region. Results of 14,000 determinations of T4 in blood eluates collected on blotting-paper] Rochiccioli P, et al. *Arch Fr Pediatr* 35(6):589-94, Jun-Jul 78 (Eng. Abstr.) (Fre)
- [Congenital hypothyroidism with thyroglobulin deficiency and substitutional albumin iodination] Śnarski A, et al. *Endokrynol Pol* 29(4):313-20, Jul-Aug 78 (Eng. Abstr.) (Pol)
- [Screening for congenital hypothyroidism in neonates in the county of Västerbotten] Engberg S, et al. *Lakartidningen* 75(35):2954-6, 30 Aug 78 (Eng. Abstr.) (Swe)
- [Screening for congenital hypothyroidism: when, where and how?] Larsson A. *Lakartidningen* 75(35):2941-3, 30 Aug 78 (Swe)

## DIAGNOSIS

- Congenital thyroid disease detected by screening program. Lyon J, et al. *Alaska Med* 20(4):56-9, Jul 78
- Thyroid screening with triiodothyronine assay. Zipf RE Jr. *Ann Clin Lab Sci* 8(5):372-5, Sep-Oct 78
- Neonatal thyroxine screening by use of a single-tube solid-phase radioimmunoassay. Bell AB, et al. *Clin Chem* 24(10):1755-8, Oct 78
- Oral administration of thyrotropin-releasing hormone (TRH) in the diagnosis of thyreopathies. Felt V, et al. *Czech Med* 1(3):162-8, 1978
- Lithium and hypothyroidism. Piziak VK, et al. *J Clin Psychiatry* 39(9):709-11, Sep 78
- Thyroxine-binding globulin deficiency: innocent cause of low serum thyroxine (T4) levels. Typlin BL, et al. *Ohio State Med J* 74(9):563-5, Sep 78
- Neonatal thyroid screening. Fisher DA. *Pediatr Clin North Am* 25(3):423-9, Aug 78
- American Academy of Pediatrics. Committee on Drugs. Treatment of congenital hypothyroidism. *Pediatrics* 62(3):413-7, Sep 78
- Automated laboratory screening. An analysis of value in a nursing home population. Schaefer SE, et al. *Wis Med J* 77(8):S81-2, Aug 78
- [Possibilities in the screening for congenital hypothyreosis] Hníková O, et al. *Cesk Pediatr* 33(7):395-7, Jul 78 (Eng. Abstr.) (Cze)
- [Thyroid (author's transl)] Mikuni T, et al. *Rinsho Byori* 26(6):478-82, Jun 78 (Jpn)
- [Low thyroid reserve. Present concepts and analysis of 19 cases] Leite AC, et al. *AMB* 24(6):215-8, Jun 78 (Eng. Abstr.) (Por)
- [Clinical value of the TRH test in the study of hypophyseal reserve and differential diagnosis of hypothyroidism] Garay Salas E, et al. *Rev Clin Esp* 149(5):435-40, 15 Jun 78 (Eng. Abstr.) (Spa)

## DRUG THERAPY

- Effects of substitution with thyroxine on the thyrotrophin (TSH) response to thyrotrophin-releasing hormone (TRH) in severe primary myxoedema and in mild hypothyroidism following prolonged thyrostatic therapy. Fischer HR, et al. *Acta Endocrinol (Copenh)* 89(2):303-15, Oct 78
- Hyperprolactinaemia in a boy with hypothyroidism due to an ectopic thyroid. Roitman A, et al. *Acta Paediatr Belg* 31(3):155-7, Jul-Sep 78
- Primary hypothyroidism and pituitary enlargement. Radiological evidence of pituitary regression. Jawadi MH, et al. *Arch Intern Med* 138(10):1555-7, Oct 78
- Cardiovascular manifestations in thyroid disorders. Akhtar M, et al. *Indian Heart J* 30(4):203-7, Jul-Aug 78
- A comparison of thyroxine and desiccated thyroid in patients with primary hypothyroidism. Sawin CT, et al. *Metabolism* 27(10):1518-25, Oct 78
- American Academy of Pediatrics. Committee on Drugs. Treatment of congenital hypothyroidism. *Pediatrics* 62(3):413-7, Sep 78
- [Practice-related diagnostic program for disease control during and following therapy of thyroid diseases] Galvan

## THYROID

- G. Wien *Med Wochenschr* 128(16):529-32, 1978 (Ger)
- [Clinical use of synthetic thyroliberin (thyrotropin-releasing factor)] Starkova NT, et al. *Probl Endokrinol (Mosk)* 24(5):103-10, Sep-Oct 78 (Rus)
- [Evaluation of the effectiveness of treatment of hypothyroidism according to the blood serum level of triiodothyronine and thyroxine] Izmailov GI. *Vrach Delo* (6):108-10, Jun 78 (Eng. Abstr.) (Rus)

## ENZYMOLGY

- Serum arginase activity in rabbits with experimental thyroid dysfunction and with experimental diabetes. Głębowska H, et al. *Mater Med Pol* 10(2):107-11, Apr-Jun 78
- [Changes in serum enzymes in primary hypothyroidism—clinical studies] Shimoda S, et al. *Horumon To Rinsho* 26(1):11-6, Jan 78 (Jpn)

## ETIOLOGY

- Hyperprolactinaemia in a boy with hypothyroidism due to an ectopic thyroid. Roitman A, et al. *Acta Paediatr Belg* 31(3):155-7, Jul-Sep 78
- Treatment of hyperthyroidism: use of 131I and 125I. pp. 85-99. Atkins HL.
- In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.
- Avoiding inadvertent fetal radiation resulting from 131I therapy for hyperthyroidism. pp. 129-38. Stoffer SS, et al.
- In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.
- Hypothyroidism in coma from status epilepticus precipitated by persistent hyponatremia. Poulse KP, et al. *J Kans Med Soc* 79(10):568-9, Oct 78
- Prevention and management of hypothyroidism after thyroidectomy for thyrotoxicosis. Michie W, et al. *World J Surg* 2(3):307-19, May 78
- [Post-traumatic selective tertiary hypothyroidism] Flatau E, et al. *Harefuah* 94(11):370-1, 1 Jun 78 (Eng. Abstr.) (Heb)
- [Pre- and postoperative medical treatment in total and subtotal thyroidectomies] Tamburrano G, et al. *Ann Laringol* 75(5-6):365-72, Sep-Dec 76 (Ita)
- [Hypothyroidism and diabetes insipidus in the course of sarcoidosis] Stelmasiak T, et al. *Pol Tyg Lek* 33(24):967-8, 12 Jun 78 (Pol)

## FAMILIAL & GENETIC

- [Iodide organification defect as the cause of congenital hypothyroidism in a 24-year-old man] Emmertsen K. *Ugeskr Laeger* 140(38):2304-6, 18 Sep 78 (Eng. Abstr.) (Dan)

## IMMUNOLOGY

- Prevalence of thyroid disorder in Down syndrome. Sare Z, et al. *Clin Genet* 14(3):154-8, Sep 78

## METABOLISM

- Tissue growth hormone release inhibiting hormone-like immunoreactivity in experimental hypothyroidism and hypopituitarism. Berelowitz M, et al. *Clin Endocrinol (Oxf)* 9(2):185-91, Aug 78
- Brain 5-hydroxytryptamine metabolism: adaptive changes after long-term administration of psychotropic drugs. Rastogi RB, et al. *Gen Pharmacol* 9(5):307-14, 1978 (72 ref.)
- Enhanced cerebral protein synthesis in developing hypothyroid rats: evidence for delayed maturation. Gonzales LW, et al. *J Neurochem* 31(5):1239-45, Nov 78
- Effect of starvation, nutrient replacement, and hypothyroidism on in vitro hepatic T4 to T3 conversion in the rat. Harris AR, et al. *Metabolism* 27(11):1680-90, Nov 78
- The effect of thyroid hormone on serotonergic neurones: depletion of serotonin in discrete brain areas of developing hypothyroid rats. Rastogi RB, et al.
- Naunyn Schmiedeberg's *Arch Pharmacol* 304(1):9-13, 24 Aug 78
- The effect of altered thyroid state on prolactin binding to liver and 7,12-dimethylbenz(a)anthracene-induced mammary tumors in rats. Smith RD, et al. *Proc Soc Exp Biol Med* 158(4):517-20, Sep 78
- [The behavior of free fatty acids and free glycerol in functional thyroid gland disorders] Müller U, et al. *Z Gesamte Inn Med* 33(16):565-7, 15 Aug 78 (Eng. Abstr.) (Ger)
- [Congenital hypothyroidism with thyroglobulin deficiency



## THYROID

## THYROID CRISIS

and substitutional albumin iodination] Snarski A, et al.  
*Endokrynol Pol* 29(4):313-20, Jul-Aug 78 (Eng. Abstr.)

(Pol)

[Influence of experimental hypothyroidism on C-14-labeled proline incorporation in dental and bone tissues] Cocirlă E, et al. *Rev Chir [Stomatol]* 25(3):161-4, Jul-Sep 78 (Eng. Abstr.)

(Rum)

[Glycoregulation in hypothyroidism] Djurić DC, et al.  
*Srp Arh Celok Lek* 105(11):951-65, Nov 77 (Eng. Abstr.)

(Sec)

### OCCURRENCE

Neonatal thyroid screening. Fisher DA.

*Pediatr Clin North Am* 25(3):423-9, Aug 78

[Neonatal detection of hypothyroidism in the South-Pyrenean region. Results of 14,000 determinations of T4 in blood eluates collected on blotting-paper] Rochiccioli P, et al.  
*Arch Fr Pediatr* 35(6):589-94, Jun-Jul 78 (Eng. Abstr.)

(Fre)

[Screening for congenital hypothyroidism in neonates in the county of Västerbotten] Engberg S, et al. *Lakartidningen* 75(35):2954-6, 30 Aug 78 (Eng. Abstr.)

(Swe)

[Screening for congenital hypothyroidism: when, where and how?] Larsson A. *Lakartidningen* 75(35):2941-3, 30 Aug 78

(Swe)

### PATHOLOGY

[Effects of thyroid hormones and heat value restriction of food intake on the glial surrounding and soma development of Purkinje cell (author's transl)] Rebière A, et al.  
*Acta Neuropathol (Berl)* 43(3):221-8, 15 Sep 78 (Eng. Abstr.)

(Fre)

[Pallido-dentate calcifications (apropos of 7 anatomo-clinical case reports)] Constantinidis J, et al.  
*Schweiz Arch Neurol Neurochir Psychiatr* 122(2):237-51, 1978 (Eng. Abstr.)

(Fre)

### PHYSIOPATHOLOGY

Effects of substitution with thyroxine on the thyrotrophin (TSH) response to thyrotrophin-releasing hormone (TRH) in severe primary myxoedema and in mild hypothyroidism following prolonged thyrostatic therapy. Fischer HR, et al.  
*Acta Endocrinol (Copenh)* 89(2):303-15, Oct 78

Neurotransmitter control of thyrotrophin secretion in hypothyroid rats. Männistö PT, et al.  
*Acta Endocrinol (Copenh)* 89(1):100-7, Sep 78

Myocardial function in hypothyroidism. Relation to disease severity and response to treatment. Bough EW, et al.  
*Arch Intern Med* 138(10):1476-80, Oct 78

Cardiac systolic time intervals in thyroid disorders [editorial] Mazzaferri EL, et al. *Arch Intern Med* 138(10):1470-1, Oct 78

Catecholamine sensitivity in hyperthyroidism and hypothyroidism. McDevitt DG, et al.

*Br J Clin Pharmacol* 6(4):297-301, Oct 78

Lithium and hypothyroidism. Piziak VK, et al.  
*J Clin Psychiatry* 39(9):709-11, Sep 78

The assessment of thyroid function and structure. Bain J, et al. *Otolaryngol Clin North Am* 11(2):419-43, Jun 78 (27 ref.)

[Mechanism of the effect of pyrogenic substances on the thermoregulatory centers in thyroid gland function disorders] Medvedeva GI. *Patol Fiziol Eksp Ter* (4):40-3, Jul-Aug 78 (Eng. Abstr.)

(Rus)

### PREVENTION & CONTROL

Treatment of hyperthyroidism: use of 131I and 125I. pp. 85-99. Atkins HL.

In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.

[Pre- and postoperative medical treatment in total and subtotal thyroidectomies] Tamburrano G, et al. *Ann Laringol* 75(5-6):365-72, Sep-Dec 76

(Ita)

### PSYCHOLOGY

Neurological abnormalities in patients treated for hypothyroidism from early life. Macfaul R, et al.  
*Arch Dis Child* 53(8):611-9, Aug 78

Congenital hypothyroidism and IQ increase: a quarter century follow-up. Money J, et al. *J Pediatr* 93(3):432-4, Sep 78

### RADIOGRAPHY

Primary hypothyroidism and pituitary enlargement. Radiological evidence of pituitary regression. Jawadi MH, et al. *Arch Intern Med* 138(10):1555-7, Oct 78

### THERAPY

Myocardial function in hypothyroidism. Relation to disease severity and response to treatment. Bough EW, et al.  
*Arch Intern Med* 138(10):1476-80, Oct 78

Prevention and management of hypothyroidism after thyroidectomy for thyrotoxicosis. Michie W, et al.  
*World J Surg* 2(3):307-19, May 78

[Screening for congenital hypothyroidism: when, where and how?] Larsson A. *Lakartidningen* 75(35):2941-3, 30 Aug 78

(Swe)

### VETERINARY

Clinicopathological studies in experimental hypothyroidism in goats. Sreekumaran T, et al. *Vet Pathol* 15(4):549-55, Jul 78

## MYXEDEMA

### BLOOD

Effects of substitution with thyroxine on the thyrotrophin (TSH) response to thyrotrophin-releasing hormone (TRH) in severe primary myxoedema and in mild hypothyroidism following prolonged thyrostatic therapy. Fischer HR, et al.  
*Acta Endocrinol (Copenh)* 89(2):303-15, Oct 78

### COMPLICATIONS

Hypothermia: pathophysiology, clinical settings, and management. Reuler JB. *Ann Intern Med* 89(4):519-27, Oct 78 (110 ref.)

### DRUG THERAPY

Effects of substitution with thyroxine on the thyrotrophin (TSH) response to thyrotrophin-releasing hormone (TRH) in severe primary myxoedema and in mild hypothyroidism following prolonged thyrostatic therapy. Fischer HR, et al.  
*Acta Endocrinol (Copenh)* 89(2):303-15, Oct 78

[Erythroleukemia and sarcosylsine] De Bock RF, et al.  
*Acta Clin Belg* 33(1):23-9, 1978 (Eng. Abstr.)

(Dut)

### ETIOLOGY

[Clinico-anatomic parallels in hyperthyreosis in children] Chebysheva AZ, et al. *Pediatrriia* (9):50-3, Sep 78 (Eng. Abstr.)

(Rus)

### PATHOLOGY

[Lesions of the myenteric plexuses in idiopathic chronic intestinal pseudo-obstruction and in certain general diseases] Phat VN, et al. *Ann Anat Pathol (Paris)* 23(2):131-42, 1978 (Eng. Abstr.)

(Fre)

[Scar keloids, eruptive xanthomas, mollusca contagiosa, juvenile melanoma, circumscribed pretibial myxoedema] Zabel M. *Hautarzt* 29(8):451-2, Aug 78

(Ger)

### PHYSIOPATHOLOGY

Effects of substitution with thyroxine on the thyrotrophin (TSH) response to thyrotrophin-releasing hormone (TRH) in severe primary myxoedema and in mild hypothyroidism following prolonged thyrostatic therapy. Fischer HR, et al.  
*Acta Endocrinol (Copenh)* 89(2):303-15, Oct 78

Systolic time intervals in thyroid disorders. Srivastava SC, et al. *Indian Heart J* 30(4):224-9, Jul-Aug 78

## THYROID CRISIS

### BLOOD

Prevention and management of hyperthyroid storm. Dobyns BM. *World J Surg* 2(3):293-306, May 78

### CHEMICALLY INDUCED

[Risk to patients with latent or manifest hyperthyroidism through iodine-containing contrast media and drugs (author's transl)] Herrmann J, et al.  
*Dtsch Med Wochenschr* 103(37):1434, 1437-43, 15 Sep 78 (Eng. Abstr.)

(Ger)

## THYROID CRISIS

### PHYSIOPATHOLOGY

Prevention and management of hyperthyroid storm. Dobyns BM. *World J Surg* 2(3):293-306, May 78

### PREVENTION & CONTROL

Prevention and management of hyperthyroid storm. Dobyns BM. *World J Surg* 2(3):293-306, May 78

### THERAPY

Prevention and management of hyperthyroid storm. Dobyns BM. *World J Surg* 2(3):293-306, May 78

## THYROID DISEASES

The thyroid nodule problem: an assessment [clinical conference] Werner SC. *Ariz Med* 35(8):546-8, 551, Aug 78

### BLOOD

[Diagnostic strategy for suspected thyroid diseases in practice] Galvan G. *Wien Med Wochenschr* 128(15):452-4, 15 Aug 78 (Ger)

[TRI-TAB kit and TETRA-TAB kit] Imazeki K, et al. *Horumon To Rinsho* 26(1):107-13, Jan 78 (Jpn)

[Determination of T4 with Seralute-T4 RIA kit] Sawazaki N, et al. *Horumon To Rinsho* 26(1):101-5, Jan 78 (Jpn)

### COMPLICATIONS

Neurotransmitter mechanisms during mental illness induced by alterations in thyroid function. Singhal RL, et al. *Adv Pharmacol Chemother* 15:203-62, 1978 (250 ref.)

[Clinical observation of thyroid neoplasms associated with cysts] Mori M, et al. *Horumon To Rinsho* 26(1):7-10, Jan 78 (Jpn)

### CONGENITAL

Congenital thyroid disease detected by screening program. Lyon J, et al. *Alaska Med* 20(4):56-9, Jul 78

### DIAGNOSIS

Congenital thyroid disease detected by screening program. Lyon J, et al. *Alaska Med* 20(4):56-9, Jul 78

The thyroid nodule problem: an assessment [clinical conference] Werner SC. *Ariz Med* 35(8):546-8, 551, Aug 78

Thyroid function tests [letter] *Br Med J* 2(6139):771-2, 9 Sep 78

Oral administration of thyrotropin-releasing hormone (TRH) in the diagnosis of thyreopathies. Felt V, et al. *Czech Med* 1(3):162-8, 1978

The 'Scripp' technique—a method for the rapid diagnosis of surgical pathology specimens. Abrahams C. *Histopathology* 2(4):255-66, Jul 78

Unusual presentations of thyroid disease in general practice. Wall DW, et al. *J R Coll Gen Pract* 28(188):170-1, Mar 78

Thyroid function testing: an introduction to the thyrotropin-releasing hormone (TRH) stimulation test. Becker DI. *NC Med J* 39(8):486-8, Aug 78

Diagnostic ultrasound in otolaryngology. Miskin M, et al. *Otolaryngol Clin North Am* 11(2):513-30, Jun 78

Optimum laboratory test combinations for thyroid function studies, selected by discriminant analysis. Rootwelt K, et al. *Scand J Clin Lab Invest* 38(5):477-85, Sep 78

[Differential diagnosis of depression] Miéville C. *Rev Med Suisse Romande* 98(9):499-505, Sep 78 (Fre)

[Help for the medical decision. Logical method and application to thyroid pathology] Roux M, et al. *Sem Hop Paris* 54(13-16):554-2, May 78 (17 ref.) (Fre)

[Early recognition of inborn thyroid gland diseases is demanded (letter)] Steuer W. *Oeff Gesundheitswes* 40(9):635, Sep 78 (Ger)

[Diagnostic strategy for suspected thyroid diseases in practice] Galvan G. *Wien Med Wochenschr* 128(15):452-4, 15 Aug 78 (Ger)

[Practice-related diagnostic program for disease control during and following therapy of thyroid diseases] Galvan G. *Wien Med Wochenschr* 128(16):529-32, 1978 (Ger)

[Interpretative gaps in the echographical images of thyroid diseases] Dei Poli G, et al. *Minerva Chir* 33(17):1081-2, 15 Sep 78 (Ita)

## THYROID

[Thyroid suppression test with dextrothyroxine] Rosenthal D, et al. *AMB* 24(6):197-9, Jun 78 (Eng. Abstr.) (Por)

[Scanning and angiography in the diagnosis of thyroid tumors] Dionidis IA, et al. *Vestn Rentgenol Radiol* (4):43-8, Jul-Aug 78 (Eng. Abstr.) (Rus)

### ETIOLOGY

Multi-system immunologically mediated disease: T lymphocyte deficiency and thyroid immunologic disease—a report of four cases. Wall JR, et al. *Aust NZ J Med* 8(3):290-4, Jun 78

[Thymic deficiency and autoimmune diseases of the endocrine organs] Nishizuka Y. *Horumon To Rinsho* 26(8):731-6, Aug 78 (13 ref.) (Jpn)

### IMMUNOLOGY

Antibodies to *Yersinia enterocolitica* serotype 3 in thyroid disease. Reynolds MT, et al. *Br Med J* 2(6134):400-1, 5 Aug 78

### METABOLISM

Gut-thyroid interrelationships. Miller LJ, et al. *Gastroenterology* 75(5):901-11, Nov 78 (204 ref.)

[Pathogenesis and treatment of euthyroid enlargement of the thyroid gland in children of pre- and pubertal age] Lazarev AN, et al. *Pediatrics* (9):43-7, Sep 78 (Eng. Abstr.) (Rus)

[Observations on the interaction of thyroxine with its main transporting protein and its relation to the in vitro thyroid function test. II. Clinical pictures with serum protein changes] Cuarón Santisteban A, et al. *Arch Inst Cardiol Mex* 48(4):754-78, Jul-Aug 78 (Eng. Abstr.) (Spa)

[LH and FSH hypophyseal reserve after stimulation with synthetic LHRH. V. Adrenal and thyroidal pathology, lipodystrophy and hemochromatosis] Villar Ortiz J, et al. *Rev Clin Esp* 149(3):223-8, 15 May 78 (Eng. Abstr.) (Spa)

### PATHOLOGY

Atypical thyroid follicles arising from an ultimobranchial-like cyst in a postnatal canine thyroid gland. Booth KK, et al. *Acta Anat (Basel)* 102(4):405-10, 1978

Micronuclei studied in fine needle goitre aspirates. Nilsson G. *Acta Pathol Microbiol Scand [A]* 86(3):201-4, May 78

Effects of vitamin A deficiency on ultimobranchial cysts in the thyroid gland: an electron microscopic study. Krupp PP, et al. *Cell Tissue Res* 190(1):181-5, 26 Jun 78

Needle aspiration and needle biopsy of the thyroid. Esselstyn CB Jr, et al. *World J Surg* 2(3):321-9, May 78

[Help for the medical decision. Logical method and application to thyroid pathology] Roux M, et al. *Sem Hop Paris* 54(13-16):554-2, May 78 (17 ref.) (Fre)

### PHYSIOPATHOLOGY

Neurotransmitter mechanisms during mental illness induced by alterations in thyroid function. Singhal RL, et al. *Adv Pharmacol Chemother* 15:203-62, 1978 (250 ref.)

The respiratory muscles: mechanics, control, and pathophysiology. Part III. Derenne JP, et al. *Am Rev Respir Dis* 118(3):581-601, Sep 78 (443 ref.)

Gut-thyroid interrelationships. Miller LJ, et al. *Gastroenterology* 75(5):901-11, Nov 78 (204 ref.)

The assessment of thyroid function and structure. Bain J, et al. *Otolaryngol Clin North Am* 11(2):419-43, Jun 78 (27 ref.)

### SURGERY

Total thyroidectomy. The indications and results of 630 cases. Katz AD, et al. *Am J Surg* 136(4):450-4, Oct 78

[Idiopathic hemorrhage from the superior thyroid artery] Bętkowski A, et al. *Wiad Lek* 31(16):1159-61, 15 Aug 78 (Eng. Abstr.) (Pol)

### THERAPY

[Help for the medical decision. Logical method and application to thyroid pathology] Roux M, et al. *Sem Hop Paris* 54(13-16):554-2, May 78 (17 ref.) (Fre)

[Practice-related diagnostic program for disease control during and following therapy of thyroid diseases] Galvan G. *Wien Med Wochenschr* 128(16):529-32, 1978 (Ger)

[Pathogenesis and treatment of euthyroid enlargement of the thyroid gland in children of pre- and pubertal age] Lazarev AN, et al. *Pediatrics* (9):43-7, Sep 78 (Eng. Abstr.) (Rus)



# THYROID

# THYROID NEOPLASMS

## VETERINARY

Atypical thyroid follicles arising from an ultimobranchial-like cyst in a postnatal canine thyroid gland. Booth KK, et al. *Acta Anat (Basel)* 102(4):405-10, 1978

## THYROID GLAND

### ABNORMALITIES

Hyperprolactinaemia in a boy with hypothyroidism due to an ectopic thyroid. Roitman A, et al. *Acta Paediatr Belg* 31(3):155-7, Jul-Sep 78

## THYROID NEOPLASMS

Thyroid tumor. McIntosh D. *J R Coll Surg Edinb* 23(5):266-84, Sep 78

[Solitary cold thyroid tumors: benign or malignant?] Rygård J, et al. *Ugeskr Laeger* 140(38):2297-9, 18 Sep 78 (Eng. Abstr.) (Dan)

[Multiple endocrine neoplasia (type II)] Fujimoto Y, et al. *Nippon Rinsho Suppl*:1524-5, May 78 (Jpn)

### ANALYSIS

Carcinoembryonic antigen as a tissue marker in medullary thyroid carcinoma [letter] DeLellis RA, et al. *N Engl J Med* 299(19):1082, 9 Nov 78

### BLOOD

Calcitonin heterogeneity in lung cancer and medullary thyroid cancer. Becker KL, et al. *Acta Endocrinol (Copenh)* 89(1):89-99, Sep 78

The thyroglobulin variations during the thyroid surgery for polynodular goiter, hyperthyroidism and cancer. Simionescu L, et al. *Endocrinologie* 16(3):219-22, Jul-Sep 78

[Value of the assay of plasma triiodothyronine level for the diagnosis of hyperthyroidism and hypothyroidism] Wiersinga WM, et al. *Ned Tijdschr Geneesk* 122(37):1349-58, 16 Sep 78 (Eng. Abstr.) (Dut)

### CHEMICALLY INDUCED

Thyroid tumours in rats and hepatomas in mice after griseofulvin treatment. Rustia M, et al. *Br J Cancer* 38(2):237-49, Aug 78

Induction of thyroid follicular adenomas and carcinomas by N-nitrosobis(2-oxopropyl)amine. Pour P, et al. *Cancer Lett* 5(1):13-8, Jul 78

### CLASSIFICATION

Thyroid carcinoma: presentation of a clinical material with special aspects on the classification and operative treatment. Grimelius L, et al. *Ups J Med Sci* 83(1):35-9, 1978

### COMPLICATIONS

Evidence for secretion of vasoactive intestinal peptide by tumours of pancreas, adrenal medulla, thyroid and lung: support for the unifying APUD concept. Said SI. *Clin Endocrinol (Oxf)* 5 Suppl:201S-204S, 1976

Medullary carcinoma and pheochromocytoma [letter] Warner TF. *JAMA* 240(17):1856, 20 Oct 78

[Bilateral pheochromocytoma of the adrenal glands and a solitary neurofibroma of the dorsal mucosa of the tongue associated with a solid medullary carcinoma of the thyroid gland in Hashimoto's lymphocytic thyroiditis] Zeman V, et al. *Cesk Patol* 13(4):185-91, Nov 77 (Eng. Abstr.) (Cze)

[Collision carcinoma of the thyroid gland in Hashimoto's thyroiditis. Spinoecellular carcinoma, arising from a cyst of the thyroglossal duct and a follicular carcinoma with an anaplastic turn] Zeman V, et al. *Cesk Patol* 13(4):198-203, Nov 77 (Eng. Abstr.) (Cze)

[Multiple primary tumors in a Wistar rat. Short original report] Gohlke R. *Z Versuchstierkd* 20(4):194-200, 1978 (Eng. Abstr.) (Ger)

[Parathyroid adenoma associated with nonmedullary carcinoma of the thyroid] Ophir M, et al. *Harefuah* 95(2):74-5, 16 Jul 78 (Eng. Abstr.) (Heb)

[Clinical observation of thyroid neoplasms associated with cysts] Mori M, et al. *Horumon To Rinsho* 26(1):7-10, Jan 78 (Jpn)

[A conservative end-to-end anastomosis of trachea for tracheal stricture caused by invasion of thyroid cancer (author's transl)] Nakamura K, et al. *Kyobu Geka* 31(9):703-6, Sep 78 (Eng. Abstr.) (Jpn)

[A case of hypokalemic myopathy in patient with primary aldosteronism and complicated with thyroid cancer (author's transl)] Ishikawa S, et al. *Rinsho Shinkeigaku* 18(8):455-61, Aug 78 (Eng. Abstr.) (Jpn)

[Association of thyroid cancer and hyperthyroidism] Lazăr C, et al. *Rev Med Chir Soc Med Nat Iasi* 82(2):241-4, Apr-Jun 78 (Eng. Abstr.) (Rum)

[Association of parathyroid adenoma with thyroid and pancreatic adenomatosis and gastric polyposis] Ignat'ev AS. *Vestn Khir* 121(8):89-90, Aug 78 (Rus)

### CONGENITAL

Epidemiology of thyroid cancer--Part II. Schottenfeld D, et al. *Clin Bull* 7(3):98-104, 1977

### DIAGNOSIS

Calcitonin and carcinoembryonic antigen as tumor markers in medullary thyroid carcinoma. DeLellis RA, et al. *Am J Clin Pathol* 70(4):587-94, Oct 78

The diagnosis of thyroid carcinoma during the postoperative period after less than total thyroidectomy. Marchetta FC, et al. *Am J Surg* 136(4):455-6, Oct 78

Malignant pseudothyroiditis: a new clinical entity. Rosen IB, et al. *Am J Surg* 136(4):445-9, Oct 78

The thyroid nodule problem: an assessment [clinical conference] Werner SC. *Ariz Med* 35(8):546-8, 551, Aug 78

The 'Scripp' technique--a method for the rapid diagnosis of surgical pathology specimens. Abrahams C. *Histopathology* 2(4):255-66, Jul 78

Thyroglobulin and calcitonin in patients with nontoxic goiter. Levine GA, et al. *JAMA* 240(21):2282-3, 17 Nov 78

Carcinoembryonic antigen as a tissue marker in medullary thyroid carcinoma [letter] DeLellis RA, et al. *N Engl J Med* 299(19):1082, 9 Nov 78

Natural history of familial medullary thyroid carcinoma: effect of a program for early diagnosis. Graze K, et al. *N Engl J Med* 299(18):980-5, 2 Nov 78

The assessment of thyroid function and structure. Bain J, et al. *Otolaryngol Clin North Am* 11(2):419-43, Jun 78 (27 ref.)

Needle aspiration and needle biopsy of the thyroid. Esselstyn CB Jr, et al. *World J Surg* 2(3):321-9, May 78

[Interpretative gaps in the echographical images of thyroid diseases] Dei Poli G, et al. *Minerva Chir* 33(17):1081-2, 15 Sep 78 (Ita)

[Diagnosis and early detection of medullary carcinoma of the thyroid] Miyauchi A, et al. *Nippon Rinsho Suppl*:1564-5, May 78 (Jpn)

[Association of thyroid cancer and hyperthyroidism] Lazăr C, et al. *Rev Med Chir Soc Med Nat Iasi* 82(2):241-4, Apr-Jun 78 (Eng. Abstr.) (Rum)

[Scanning and angiography in the diagnosis of thyroid tumors] Dionidis IA, et al. *Vestn Rentgenol Radiol* (4):43-8, Jul-Aug 78 (Eng. Abstr.) (Rus)

### DRUG THERAPY

The role of external radiation in the management of papillary and follicular thyroid cancer. Simpson WJ, et al. *Am J Surg* 136(4):457-60, Oct 78

Choice of preoperative treatment in hyperthyroidism. Heimann P. *World J Surg* 2(3):289-92, May 78

[Selective blocking of thyroid adenomas using small doses of perchlorate] Kallee E, et al. *Med Welt* 29(42):1641-4, 20 Oct 78 (Ger)

[Gastric and exocrine pancreatic function in patients with medullary thyroid carcinoma and with bone diseases under treatment with calcitonin (author's transl)] Hotz J, et al. *Z Gastroenterol* 16(9):547-52, Sep 78 (Eng. Abstr.) (Ger)

[Effect of the antifolic preparation, tomizin, that possesses antitumor activity, on thyroid gland function] Korolev GK, et al. *Farmakol Toksikol* 41(5):608-12, Sep-Oct 78 (Eng. Abstr.) (Rus)

### ETIOLOGY

Anaplastic thyroid carcinoma following low-dose irradiation. Komorowski RA, et al. *Am J Clin Pathol* 70(2):303-7, Aug 78

Radioiodine treated hyperthyroidism and thyroid carcinoma. Appell R, et al. *Am Surg* 44(8):537-40, Aug 78

The thyroid nodule problem: an assessment [clinical conference] Werner SC. *Ariz Med* 35(8):546-8, 551, Aug 78

## THYROID NEOPLASMS

- Epidemiology of thyroid cancer—Part II. Schottenfeld D, et al. *Clin Bull* 7(3):98-104, 1977
- Tumours of the thyroid gland. Napalkov NP. *IARC Sci Publ* (6):239-71, 1976 (86 ref.)
- Effects of therapy on major organ function and imaging. pp. 53-81. Antar MA, et al. In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977. (143 ref.)
- Adverse effects of superficial X-ray therapy and recommendations for safe use in benign dermatoses. Rowell N. *J Dermatol Surg Oncol* 4(8):630-4, Aug 78
- Cancer in parents of children with leukemia [letter] Marchetto DJ, et al. *J Pediatr* 93(3):537, Sep 78
- The treatment of hyperthyroidism. Crile G Jr. *World J Surg* 2(3):279-80, May 78
- Should hyperthyroidism be treated by surgery? Heimann P. *World J Surg* 2(3):281-7, May 78
- [Morphofunctional changes in the thyroid gland of golden hamsters during acclimatization to a temperature of 4 degrees C] Vol'fenzon LG, et al. *Tsitologiya* 20(6):636-42, Jun 78 (Eng. Abstr.) (Rus)
- [Cancer of the thyroid gland in an endemic focus] Tochilin VI, et al. *Vestn Khir* 121(9):39-42, Sep 78 (Eng. Abstr.) (Rus)

### FAMILIAL & GENETIC

- Natural history of familial medullary thyroid carcinoma: effect of a program for early diagnosis. Graze K, et al. *N Engl J Med* 299(18):980-5, 2 Nov 78
- [Diagnosis and early detection of medullary carcinoma of the thyroid] Miyauchi A, et al. *Nippon Rinsho Suppl*:1564-5, May 78 (Jpn)

### METABOLISM

- The role of prostaglandins in the study of intestinal water and electrolyte transport in man. Matuchansky C, et al. *Biomedicine* 28(3):143-8, May-Jun 78 (42 ref.)

### MORTALITY

- Radioiodide in the therapy for thyroid carcinoma. pp. 101-11. Beierwaltes WH. In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.
- Thyroid cancer for forty-one years [letter] Cady B, et al. *N Engl J Med* 299(16):901, 19 Oct 78
- Thyroid carcinoma: presentation of a clinical material with special aspects on the classification and operative treatment. Grimelius L, et al. *Ups J Med Sci* 83(1):35-9, 1978
- [Clinical and therapeutical aspects of 70 cases of thyroid neoplasms] Schrub JC, et al. *Sem Hop Paris* 54(5-8):360-1, Mar 78 (Fre)

### NURSING

- Radiation safety precautions with I31iodine therapy. Greenfield LD, et al. *Cancer Nurs* 1(5):379-84, Oct 78

### OCCURRENCE

- Carcinoma of the thyroid. A survey of 227 cases. Rasmusson B. *Acta Radiol Oncol Radiat Phys Biol* 17(3):177-88, 1978
- Epidemiology of thyroid cancer—Part II. Schottenfeld D, et al. *Clin Bull* 7(3):98-104, 1977
- [Incidence of thyroid cancer] Liebermeister H. *Lebensversicherungsmedizin* 30(6):138-41, Nov 78 (Ger)
- [Cancer of the thyroid gland in an endemic focus] Tochilin VI, et al. *Vestn Khir* 121(9):39-42, Sep 78 (Eng. Abstr.) (Rus)

### PATHOLOGY

- Micronuclei studied in fine needle goitre aspirates. Nilsson G. *Acta Pathol Microbiol Scand [A]* 86(3):201-4, May 78
- Carcinoma of the thyroid. A survey of 227 cases. Rasmusson B. *Acta Radiol Oncol Radiat Phys Biol* 17(3):177-88, 1978
- Anaplastic thyroid carcinoma following low-dose irradiation. Komorowski RA, et al. *Am J Clin Pathol* 70(2):303-7, Aug 78
- Malignant pseudothyroiditis: a new clinical entity. Rosen IB, et al. *Am J Surg* 136(4):445-9, Oct 78
- Aspiration cytology of head and neck masses. Russ JE, et al. *Am J Surg* 136(3):342-7, Sep 78
- Radioiodine treated hyperthyroidism and thyroid carcinoma. Appell R, et al. *Am Surg* 44(8):537-40, Aug 78
- The cytology of medullary carcinoma of the thyroid with spindle cell pattern. Blonk DI, et al.

## THYROID

- Arch Geschwulstforsch* 48(4):313-7, 1978
- The thyroid nodule problem: an assessment [clinical conference] Werner SC. *Ariz Med* 35(8):546-8, 551, Aug 78
- Thyroid tumours in rats and hepatomas in mice after griseofulvin treatment. Rustia M, et al. *Br J Cancer* 38(2):237-49, Aug 78
- Induction of thyroid follicular adenomas and carcinomas by N-nitrosobis(2-oxopropyl)amine. Pour P, et al. *Cancer Lett* 5(1):13-8, Jul 78
- Evidence for secretion of vasoactive intestinal peptide by tumours of pancreas, adrenal medulla, thyroid and lung: support for the unifying APUD concept. Said SI. *Clin Endocrinol (Oxf)* 5 Suppl:201S-204S, 1976
- Tumours of the thyroid gland. Napalkov NP. *IARC Sci Publ* (6):239-71, 1976 (86 ref.)
- Thyroid tumor. McIntosh D. *J R Coll Surg Edinb* 23(5):266-84, Sep 78
- Needle aspiration and needle biopsy of the thyroid. Esselstyn CB Jr, et al. *World J Surg* 2(3):321-9, May 78
- [Collision carcinoma of the thyroid gland in Hashimoto's thyroiditis. Spinocellular carcinoma, arising from a cyst of the thyroglossal duct and a follicular carcinoma with an anaplastic turn] Zeman V, et al. *Cesk Patol* 13(4):198-203, Nov 77 (Eng. Abstr.) (Cze)
- [Bilateral pheochromocytoma of the adrenal glands and a solitary neurofibroma of the dorsal mucosa of the tongue associated with a solid medullary carcinoma of the thyroid gland in Hashimoto's lymphocytic thyroiditis] Zeman V, et al. *Cesk Patol* 13(4):185-91, Nov 77 (Eng. Abstr.) (Cze)
- [Carcinoma of the thyroid gland with foamy cells in the stroma] Zeman V. *Cesk Patol* 14(2):105-8, May 78 (Eng. Abstr.) (Cze)
- [Solitary cold thyroid tumors: benign or malignant?] Rygård J, et al. *Ugeskr Laeger* 140(38):2297-9, 18 Sep 78 (Eng. Abstr.) (Dan)
- [Hemangioendothelioma—a case contribution] Friedrich U, et al. *Z Gesamte Inn Med* 33(15):529-32, 1 Aug 78 (Eng. Abstr.) (Ger)
- [Generalized xanthomatosis in a female diabetes mellitus patient operated on for thyroid cancer] Suslov GI. *Probl Endokrinol (Mosk)* 24(5):52-4, Sep-Oct 78 (Rus)
- [Combination of parathyroid adenoma with adenomatosis of the thyroid and pancreas and polyposis of the stomach] Ignat'ev AS. *Vestn Khir* 121(8):89-90, Aug 78 (Rus)

### PHYSIOPATHOLOGY

- [Thyroid gland tumors in children. Functional and morphological estimation of thyroid gland following subroto strumectomy] Wójtowicz M, et al. *Endokrynol Pol* 29(4):297-304, Jul-Aug 78 (Eng. Abstr.) (Pol)
- [Multiple endocrine adenomatosis] Wasylewski A. *Pol Tyg Lek* 33(36):1433-5, 4 Sep 78 (Pol)

### RADIOGRAPHY

- [Pneumothoridography with direct contrasting of the thyroid gland] Fesenko VP, et al. *Klin Med (Mosk)* 56(8):54-7, Aug 78 (Eng. Abstr.) (Rus)

### RADIONUCLIDE IMAGING

- Clinical evaluation of tumor imaging with 201 TI chloride. Hisada K, et al. *Radiology* 129(2):497-500, Nov 78
- [Solitary cold thyroid tumors: benign or malignant?] Rygård J, et al. *Ugeskr Laeger* 140(38):2297-9, 18 Sep 78 (Eng. Abstr.) (Dan)
- [Diagnostic strategy for suspected thyroid diseases in practice] Galvan G. *Wien Med Wochenschr* 128(15):452-4, 15 Aug 78 (Ger)
- [Scanning and angiography in the diagnosis of thyroid tumors] Dionidis IA, et al. *Vestn Rentgenol Radiol* (4):43-8, Jul-Aug 78 (Eng. Abstr.) (Rus)

### RADIOTHERAPY

- Carcinoma of the thyroid. A survey of 227 cases. Rasmusson B. *Acta Radiol Oncol Radiat Phys Biol* 17(3):177-88, 1978
- The role of external radiation in the management of papillary and follicular thyroid cancer. Simpson WJ, et al. *Am J Surg* 136(4):457-60, Oct 78
- Radiation safety precautions with I31iodine therapy. Greenfield LD, et al. *Cancer Nurs* 1(5):379-84, Oct 78
- Radioiodide in the therapy for thyroid carcinoma. pp. 101-11. Beierwaltes WH. In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.
- Relationship of external radiation doses to internal dosimetry.



# THYROID

# THYROIDITIS

- pp. 17-31. Bigler RE.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
Chromosomal alterations after therapeutic use of radionuclides. pp. 45-52. Wald N, et al.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
[Treatment with radioisotopes] McDougall IR.  
Internist (Berlin) 19(7):431-6, Jul 78 (Ger)  
[Radionuclide therapy of malignant tumors] Altenbrunn HJ.  
Z Gesamte Inn Med 33(14):475-84, 15 Jul 78 (Eng. Abstr.) (Ger)  
[Radiotherapy of differentiated thyroid neoplasms] Gertzén H, et al. Lakartidningen 75(34):2857, 23 Aug 78 (Swe)

## SECRETION

- Ectopic secretion of calcitonin. Mulder H, et al.  
Acta Med Scand 204(4):253-6, 1978  
The ectopic secretion of calcitonin by lung and breast carcinomas. Coombes RC, et al. Clin Endocrinol (Oxf) 5 Suppl:387S-396S, 1976  
Regulation of calcitonin secretion in vitro. Roos BA, et al. Clin Endocrinol (Oxf) 5 Suppl:217S-222S, 1976  
Evidence for secretion of vasoactive intestinal peptide by tumours of pancreas, adrenal medulla, thyroid and lung: support for the unifying APUD concept. Said SI.  
Clin Endocrinol (Oxf) 5 Suppl:201S-204S, 1976  
[Accuracy and limitation of morphology in cancer diagnosis and biology (author's transl)] Shimosato Y.  
Tanpakushitsu Kakusan Koso 23(6):480-9, May 78 (40 ref.) (Jpn)

## SURGERY

- Total thyroidectomy. The indications and results of 630 cases.  
Katz AD, et al. Am J Surg 136(4):450-4, Oct 78  
The diagnosis of thyroid carcinoma during the postoperative period after less than total thyroidectomy. Marchetta FC, et al. Am J Surg 136(4):455-6, Oct 78  
The thyroglobulin variations during the thyroid surgery for polynodular goiter, hyperthyroidism and cancer. Simionescu L, et al. Endocrinologie 16(3):219-22, Jul-Sep 78  
Surgical goitre in Ethiopia. Makuria T. Ethiop Med J 15(4):169-72, Oct 77  
Radioiodide in the therapy for thyroid carcinoma. pp. 101-11. Beierwaltes WH.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
Thyroid tumor. McIntosh D. J R Coll Surg Edinb 23(5):266-84, Sep 78  
Natural history of familial medullary thyroid carcinoma: effect of a program for early diagnosis. Graze K, et al.  
N Engl J Med 299(18):980-5, 2 Nov 78  
Thyroid carcinoma: presentation of a clinical material with special aspects on the classification and operative treatment. Grimelius L, et al. Ups J Med Sci 83(1):35-9, 1978  
Choice of preoperative treatment in hyperthyroidism. Heimann P. World J Surg 2(3):289-92, May 78  
[Concerning the problem of management of thyroid gland tumours (author's transl)] Vlasák V, et al.  
Bratisl Lek Listy 70(2):181-92, Aug 78 (Eng. Abstr.) (Cze)  
[Clinical and therapeutical aspects of 70 cases of thyroid neoplasms] Schrub JC, et al. Sem Hop Paris 54(5-8):360-1, Mar 78 (Fre)  
[Tracheotomy] Görisch I, et al. Z Aerzt Fortbild (Jena) 72(18):857-60, 15 Sep 78 (43 ref.) (Ger)  
[Pre- and postoperative medical treatment in total and subtotal thyroidectomies] Tamburrano G, et al. Ann Laringol 75(5-6):365-72, Sep-Dec 76 (Ita)  
[Anesthesia for a patient without adrenals (author's transl)] Murakami E, et al. Masui 27(8):872-6, Aug 78 (Eng. Abstr.) (Jpn)  
[Thyroid gland tumors in children. Functional and morphological estimation of thyroid gland following subtotal strumectomy] Wójciszewski M, et al. Endokrynol Pol 29(4):297-304, Jul-Aug 78 (Eng. Abstr.) (Pol)  
[Association of thyroid cancer and hyperthyroidism] Lazăr C, et al. Rev Med Chir Soc Med Nat Iasi 82(2):241-4, Apr-Jun 78 (Eng. Abstr.) (Rum)  
[Generalized xanthomatosis in a female diabetes mellitus patient operated on for thyroid cancer] Suslov GI.  
Probl Endokrinol (Mosk) 24(5):52-4, Sep-Oct 78 (Rus)  
[Cancer of the thyroid gland in an endemic focus] Tochilin VI, et al. Vestn Khir 121(9):39-42, Sep 78 (Eng. Abstr.) (Rus)

## THERAPY

- [Practice-related diagnostic program for disease control during and following therapy of thyroid diseases] Galvan G. Wien Med Wochenschr 128(16):529-32, 1978 (Ger)

## THYROIDITIS

### COMPLICATIONS

- The incidence of thyroiditis lesions in nodular goiter. Lazăr C, et al. Endocrinologie 16(3):231-4, Jul-Sep 78  
[Triiodothyronine thyrotoxicosis in a female patient with thyroiditis (author's transl)] Felt V, et al. Cas Lek Cesk 117(29-30):924-6, 28 Jul 78 (Eng. Abstr.) (Cze)

### DIAGNOSIS

- Malignant pseudothyroiditis: a new clinical entity. Rosen IB, et al. Am J Surg 136(4):445-9, Oct 78  
The assessment of thyroid function and structure. Bain J, et al. Otolaryngol Clin North Am 11(2):419-43, Jun 78 (27 ref.)

### DRUG THERAPY

- [Laboratory and clinical studies of PC-904 in pediatric field (author's transl)] Cho K, et al. Jpn J Antibiot 31(7):359-62, Jul 78 (Eng. Abstr.) (Jpn)

### ENZYMOLGY

- Thyroiditis and alkaline phosphatase [letter] Kaspa RT, et al. Ann Intern Med 89(4):578, Oct 78

### ETIOLOGY

- Thyroiditis in myasthenia gravis. Aarli JA, et al. Acta Neurol Scand 58(2):121-7, Aug 78

### IMMUNOLOGY

- Suppression of experimental autoimmune thyroiditis in the guinea pig by pretreatment with thyroglobulin in incomplete Freund's adjuvant. Braley-Mullen H, et al. Cell Immunol 39(2):289-96, Sep 78  
Autoimmunity revisited. Rose NR. Nature 275(5676):88-90, 14 Sep 78  
[Detection of circulating immune complexes using a laser-nephelometric assay (author's transl)] Helmke K, et al. Immun Infekt 6(5):173-9, Oct 78 (Ger)

### METABOLISM

- [Biosynthesis and peripheral metabolism of thyroid hormones in subacute thyroiditis] Báños C, et al. Orv Hetil 119(41):2495-8, 8 Oct 78 (Hun)

### PATHOLOGY

- Thyroiditis in myasthenia gravis. Aarli JA, et al. Acta Neurol Scand 58(2):121-7, Aug 78  
Micronuclei studied in fine needle goitre aspirates. Nilsson G. Acta Pathol Microbiol Scand [A] 86(3):201-4, May 78  
Aspiration cytology of head and neck masses. Russ JE, et al. Am J Surg 136(3):342-7, Sep 78  
Thyroid function in early sub-acute thyroiditis. Górowski T, et al. Clin Endocrinol (Oxf) 9(2):175-8, Aug 78  
The incidence of thyroiditis lesions in nodular goiter. Lazăr C, et al. Endocrinologie 16(3):231-4, Jul-Sep 78  
Thyroid tumor. McIntosh D. J R Coll Surg Edinb 23(5):266-84, Sep 78

### PHYSIOPATHOLOGY

- Thyroid function in early sub-acute thyroiditis. Górowski T, et al. Clin Endocrinol (Oxf) 9(2):175-8, Aug 78

### PREVENTION & CONTROL

- Suppression of experimental autoimmune thyroiditis in the guinea pig by pretreatment with thyroglobulin in incomplete Freund's adjuvant. Braley-Mullen H, et al. Cell Immunol 39(2):289-96, Sep 78

### RADIOGRAPHY

- [Clinical evaluation of CT value of the thyroid (author's transl)] Kaneko T, et al.

## THYROIDITIS

## THYROID

Nippon Igaku Hoshasen Gakkai Zasshi 38(7):710-2, 25 Jul 78 (Eng. Abstr.) (Jpn)

### SURGERY

Total thyroidectomy. The indications and results of 630 cases. Katz AD, et al. *Am J Surg* 136(4):450-4, Oct 78

## THYROIDITIS, LYMPHOMATOUS

[Hashimoto's intrathoracic goiter] Tanaka H, et al. *Horumon To Rinsho* 26(1):3-6, Jan 78 (Jpn)

### COMPLICATIONS

Epidemiology of thyroid cancer--Part II. Schottenfeld D, et al. *Clin Bull* 7(3):98-104, 1977

The incidence of thyroiditis lesions in nodular goiter. Lazăr C, et al. *Endocrinologie* 16(3):231-4, Jul-Sep 78

[Collision carcinoma of the thyroid gland in Hashimoto's thyroiditis. Spino-cellular carcinoma, arising from a cyst of the thyroglossal duct and a follicular carcinoma with an anaplastic turn] Zeman V, et al. *Cesk Patol* 13(4):198-203, Nov 77 (Eng. Abstr.) (Cze)

[Bilateral pheochromocytoma of the adrenal glands and a solitary neurofibroma of the dorsal mucosa of the tongue associated with a solid medullary carcinoma of the thyroid gland in Hashimoto's lymphocytic thyroiditis] Zeman V, et al. *Cesk Patol* 13(4):185-91, Nov 77 (Eng. Abstr.) (Cze)

[Polyendocrinopathy] Ofuzi T. *Nippon Rinsho Suppl*:1526-7, May 78 (Jpn)

### DIAGNOSIS

[Criteria of Basedow's disease and Hashimoto's disease] Mori T. *Nippon Rinsho Suppl*:1560-1, May 78 (Jpn)

### IMMUNOLOGY

Anti-thyroxine and anti-triiodothyronine antibodies in three cases of Hashimoto's thyroiditis. Ikekubo K, et al. *Acta Endocrinol (Copenh)* 89(3):557-66, Nov 78

Low serum thyroxine due to anti-thyroxine antibody. Ikekubo K, et al. *Endocrinol Jpn* 25(3):275-9, Jun 78

Studies on the cytotoxic factor in chronic thyroiditis as tested by a newly developed micromethod. Shimazaki M, et al. *Osaka City Med J* 23(2):167-76, 1977

[T-cells and B-cells in the peripheral blood in Basedow's disease and Hashimoto's disease] Oshima K, et al. *Horumon To Rinsho* 26(1):25-9, Jan 78 (Jpn)

[Hashimoto's disease] Torizuka K. *Nippon Rinsho Suppl*:1198-9, May 78 (Jpn)

### PATHOLOGY

The incidence of thyroiditis lesions in nodular goiter. Lazăr C, et al. *Endocrinologie* 16(3):231-4, Jul-Sep 78



# THYROID

## III. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs

### DEXTROTHYROXINE

#### DIAGNOSTIC USE

[Thyroid suppression test with dextrothyroxine] Rosenthal D, et al. *AMB* 24(6):197-9, Jun 78 (Eng. Abstr.) (Por)

#### THERAPEUTIC USE

Recent progress in atherosclerosis research; experimental and clinical aspects. Clopath P, et al. *Bull Soc Sci Med Grand Duche Luxemb* 115(1):21-33, 1978 (68 ref.)

### DIIODOTHYRONINES

#### BLOOD

A sensitive radioimmunoassay for measurements of 3,3'-diiodothyronine in unextracted serum. Laurberg P. *Scand J Clin Lab Invest* 38(6):537-42, Oct 78

#### METABOLISM

Sequential deiodination of thyroxine in rat liver homogenate. Visser TJ, et al. *Biochem J* 174(1):221-9, 15 Jul 78

### DIIODOTYROSINE

Thyroid hormone contamination in crystalline diiodotyrosine. Alexander NM, et al. *Clin Chem* 24(10):1738-9, Oct 78

### IODOTYROSINE

High enzymatic activity of specifically iodinated bovine phospholipase A2. Slotboom AJ, et al. *FEBS Lett* 92(2):361-4, 15 Aug 78

#### BIOSYNTHESIS

[Oxidation of iodides in the thyroid gland] Jaroszewicz L. *Postepy Hig Med Dosw* 32(2):227-44, Mar-Apr 78 (Eng. Abstr.) (Pol)

### THYROGLOBULIN

#### ANALYSIS

Different behaviour of 19S thyroglobulin extracted from normal thyroid, simple goitre and toxic goitre in polyacrylamide slab gel isoelectric focusing. Massi G, et al. *Acta Endocrinol (Copenh)* 89(2):296-302, Oct 78

The aldehyde fuchsin and colloidal iron staining reactions in the canine thyroid C cell. Roediger WE. *Histochem J* 10(5):549-57, Sep 78

#### BIOSYNTHESIS

Retarded biosynthesis of thyroglobulin subunits and their polymerization in vitro after suppression of TSH secretion in rats by chronic administration of excess thyroxine in the form of iodinated casein. Sinadinović J, et al. *Acta Endocrinol (Copenh)* 89(1):108-21, Sep 78

#### BLOOD

The thyroglobulin variations during the thyroid surgery for polynodular goiter, hyperthyroidism and cancer. Simionescu L, et al. *Endocrinologie* 16(3):219-22, Jul-Sep 78

Thyroglobulin and calcitonin in patients with nontoxic goiter. Levine GA, et al. *JAMA* 240(21):2282-3, 17 Nov 78

#### DEFICIENCY

[Congenital hypothyroidism with thyroglobulin deficiency and substitutional albumin iodination] Snarski A, et al. *Endokrynol Pol* 29(4):313-20, Jul-Aug 78 (Eng. Abstr.) (Pol)

#### IMMUNOLOGY

Thyroiditis in myasthenia gravis. Aarli JA, et al.

*Acta Neurol Scand* 58(2):121-7, Aug 78

Suppression of experimental autoimmune thyroiditis in the guinea pig by pretreatment with thyroglobulin in incomplete Freund's adjuvant. Braley-Mullen H, et al. *Cell Immunol* 39(2):289-96, Sep 78

New insights into thyroid physiology [news] *JAMA* 240(17):1833-4, 20 Oct 78

[Experience in the use of a RIA kit for determination of thyroglobulin antibody] Masuoka T, et al. *Horumon To Rinsho* 26(8):801-5, Aug 78 (Jpn)

#### ISOLATION & PURIFICATION

Different behaviour of 19S thyroglobulin extracted from normal thyroid, simple goitre and toxic goitre in polyacrylamide slab gel isoelectric focusing. Massi G, et al. *Acta Endocrinol (Copenh)* 89(2):296-302, Oct 78

#### METABOLISM

Biochemical studies on the iodine organification defect of Pendred's syndrome. Niepomniszcze H, et al.

*Acta Endocrinol (Copenh)* 89(1):70-9, Sep 78

Variation of trace binding in digoxin radioimmunoassay by use of 125I-labeled 3-O-succinyl-digoxigenin: relation of thyroxine concentration to binding [letter] Lohff MR, et al. *Clin Chem* 24(10):1854, Oct 78

### THYROID HORMONES

#### ANALYSIS

Semi-automated determination of hormonal iodine without incineration. Cabello G, et al. *Ann Rech Vet* 9(1):89-98, 1978

#### BIOSYNTHESIS

[Biosynthesis and peripheral metabolism of thyroid hormones in subacute thyroiditis] Bános C, et al. *Orv Hetil* 119(41):2495-8, 8 Oct 78 (Hun)

[Oxidation of iodides in the thyroid gland] Jaroszewicz L. *Postepy Hig Med Dosw* 32(2):227-44, Mar-Apr 78 (Eng. Abstr.) (Pol)

#### BLOOD

Semi-automated determination of hormonal iodine without incineration. Cabello G, et al. *Ann Rech Vet* 9(1):89-98, 1978

Reverse triiodothyronine, thyroid hormone, and thyrotrophin concentrations in placental cord blood. Byfield PG, et al. *Arch Dis Child* 53(8):620-4, Aug 78

Myocardial function in hypothyroidism. Relation to disease severity and response to treatment. Bough EW, et al.

*Arch Intern Med* 138(10):1476-80, Oct 78

Catecholamine sensitivity in hyperthyroidism and hypothyroidism. McDevitt DG, et al.

*Br J Clin Pharmacol* 6(4):297-301, Oct 78

Plasma triiodothyronine, thyroxine and thyrotrophin levels in germfree rats. Ukai M, et al. *Experientia* 34(8):1095-6, 15 Aug 78

Endocrine responses to malnutrition in man. pp. 321-9. Jaya Rao KS.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (38 ref.)

Endocrine concomitants of the sleep-wake rhythm in man. pp. 124-31. Quabbe HJ.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (34 ref.)

## THYROID HORMONES

- Thyroid hormones in uncontrolled diabetes mellitus [letter]  
Rosenblatt S, et al. *JAMA* 240(19):2047, 3 Nov 78
- Serum thyroid hormones in patients on replacement or suppressive doses of L-thyroxine. Rosenblatt S, et al.  
*West J Med* 129(2):165-7, Aug 78
- [Study of thyroid function using diverse methods of separation of plasma radioiodine compounds in rats] Rostami P.  
*Acta Med Iran* 19(4):255-66, 1976 (Eng. Abstr.) (Fre)
- [Diagnostic strategy for suspected thyroid diseases in practice] Galvan G. *Wien Med Wochenschr* 128(15):452-4, 15 Aug 78 (Ger)
- [Endocrine activities and ultrastructure of functioning nodular goiter] Ishida T, et al. *Horumon To Rinsho* 26(1):17-23, Jan 78 (Jpn)

### METABOLISM

- The influence of chronic renal failure on serum and urinary thyroid hormone levels. Kølendorf K, et al.  
*Acta Endocrinol (Copenh)* 89(1):80-8, Sep 78
- Biochemical studies on the iodine organification defect of Pendred's syndrome. Niepomniszcze H, et al.  
*Acta Endocrinol (Copenh)* 89(1):70-9, Sep 78
- Changes in rodent thyroid hormones and cyclic-AMP following treatment with pineal indolic compounds. Nir I, et al. *Arch Int Physiol Biochim* 86(2):353-62, May 78
- Uptake and metabolism of thyroid hormones by cultured monkey hepatocarcinoma cells. Effects of potassium cyanide and dinitrophenol. Sorimachi K, et al.  
*Biochim Biophys Acta* 542(3):515-26, 6 Sep 78
- Nuclear thyroid hormone receptors in a human breast cancer cell line. Burke RE, et al. *Cancer Res* 38(11 Pt 1):3769-73, Nov 78
- Experimental studies concerning the mechanism of the thyroid-pineal interrelationship. I. The action of the pineal peptides on the thyroid gland. Constantinescu A, et al.  
*Endocrinologie* 16(3):191-7, Jul-Sep 78
- Effects of anticonvulsant drugs on thyroid hormones in epileptic children. Fichsel H, et al. *Epilepsia* 19(4):323-36, Aug 78
- Gut-thyroid interrelationships. Miller LJ, et al.  
*Gastroenterology* 75(5):901-11, Nov 78 (204 ref.)
- Role of lithium in radioiodide therapy. pp. 113-9. Burrow GN, et al.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.
- The thyroid hormones: a thesis concerning their action. Hulbert AJ. *J Theor Biol* 73(1):81-100, 6 Jul 78 (101 ref.)
- Treatment of hypertriglyceridemia with para-aminosalicylic acid-C: a possible mechanism of action. Goldberg AP, et al. *Metabolism* 27(11):1648-60, Nov 78
- [Anorexia nervosa: disturbed endocrine regulation] Krans HM. *Ned Tijdschr Geneesk* 122(40):1531-3, 7 Oct 78 (Dut)
- [Thyroid and hypophyseal steroid secretion in hydatidiform mole] Decocq J, et al.  
*J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):744-6, Apr 78 (Fre)
- [Biosynthesis and peripheral metabolism of thyroid hormones in subacute thyroiditis] Báños C, et al. *Orv Hetil* 119(41):2495-8, 8 Oct 78 (Hun)

### PHARMACODYNAMICS

- Neurotransmitter mechanisms during mental illness induced by alterations in thyroid function. Singhal RL, et al.  
*Adv Pharmacol Chemother* 15:203-62, 1978 (250 ref.)
- Effect of thyroid hormone, actinomycin D, cycloheximide and puromycin on TRH-induced secretion of TSH, as studied by pituitary concentration of cyclic AMP and intrathyroidal colloid droplet formation. Kotani M, et al.  
*Arch Int Pharmacodyn Ther* 234(1):145-55, Jul 78
- New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al.  
*Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)
- Influence of thyroid hormone on the positive inotropic effects mediated by alpha- and beta-adrenoceptors in isolated guinea pig atria and rabbit papillary muscles. Hashimoto H, et al. *Eur J Pharmacol* 50(4):337-47, 15 Aug 78
- Behavioural, electrocortical and body temperature effects after intracerebral infusion of TRH in fowls. Nisticò G, et al. *Eur J Pharmacol* 50(3):253-60, 1 Aug 78
- Thyroid hormone potentiation of primaquine induced fluorescent chromolipid formation in erythrocytes. Jain SK, et al. *Proc West Pharmacol Soc* 21:233-6, 1978

### PHYSIOLOGY

- Neurotransmitter mechanisms during mental illness induced by alterations in thyroid function. Singhal RL, et al.

## THYROID

- Adv Pharmacol Chemother* 15:203-62, 1978 (250 ref.)
- Liver mitochondria in the chloramphenicol-treated rat. Similarities with thyroidectomy [proceedings] Clot JP, et al. *Biochimie* 60(5):539-41, 4 Sep 78
- The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)
- Gut-thyroid interrelationships. Miller LJ, et al.  
*Gastroenterology* 75(5):901-11, Nov 78 (204 ref.)
- Endocrine responses to malnutrition in animals with special reference to metabolic hormones. pp. 313-20. Leatham J.

- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- The thyroid hormones: a thesis concerning their action. Hulbert AJ. *J Theor Biol* 73(1):81-100, 6 Jul 78 (101 ref.)
- [LH-RH content in different parts of the hypothalamus and blood of rats with an altered level of thyroid hormones] Babichev VN, et al. *Probl Endokrinol (Mosk)* 24(5):59-63, Sep-Oct 78 (Eng. Abstr.) (Rus)

### SECRETION

- [Circadian rhythms in man. Their incidence in endocrinology (author's transl)] Mainard F, et al. *Pathol Biol (Paris)* 26(5):255-64, May-Jun 78 (93 ref.) (Eng. Abstr.) (Fre)
- [Clinical and diagnostic aspects in hormone inactive pituitary neoplasms] Ventz M, et al. *Z Aerzt Fortbild (Jena)* 72(15):703-7, 1 Aug 78 (Ger)

### THERAPEUTIC USE

- The role of external radiation in the management of papillary and follicular thyroid cancer. Simpson WJ, et al.  
*Am J Surg* 136(4):457-60, Oct 78
- A comparison of thyroxine and desiccated thyroid in patients with primary hypothyroidism. Sawin CT, et al.  
*Metabolism* 27(10):1518-25, Oct 78
- American Academy of Pediatrics. Committee on Drugs. Treatment of congenital hypothyroidism. *Pediatrics* 62(3):413-7, Sep 78
- [Practice-related diagnostic program for disease control during and following therapy of thyroid diseases] Galvan G. *Wien Med Wochenschr* 128(16):529-32, 1978 (Ger)
- [Pre- and postoperative medical treatment in total and subtotal thyroidectomies] Tamburrano G, et al. *Ann Laringol* 75(5-6):365-72, Sep-Dec 76 (Ita)
- [Clinico-anatomic parallels in hyperthyreosis in children] Chebysheva AZ, et al. *Pediatratria* (9):50-3, Sep 78 (Eng. Abstr.) (Rus)
- [Evaluation of the effectiveness of treatment of hypothyroidism according to the blood serum level of triiodothyronine and thyroxine] Izmailov GI. *Vrach Delo* (6):108-10, Jun 78 (Eng. Abstr.) (Rus)

## THYRONINES

### BLOOD

- A sensitive radioimmunoassay for measurements of 3,3'-diiodothyronine in unextracted serum. Laurberg P.  
*Scand J Clin Lab Invest* 38(6):537-42, Oct 78

## THYROXINE

- The relationship between fibrosis and lactate dehydrogenase isoenzymes in the experimental hypertrophic heart of rabbits. Revis NW, et al. *Cardiovasc Res* 12(6):348-57, Jun 78
- Thyroid hormone contamination in crystalline diiodotyrosine. Alexander NM, et al. *Clin Chem* 24(10):1738-9, Oct 78
- The effect of altered thyroid state on prolactin binding to liver and 7,12-dimethylbenz(a)anthracene-induced mammary tumors in rats. Smith RD, et al.  
*Proc Soc Exp Biol Med* 158(4):517-20, Sep 78

### ADMINISTRATION & DOSAGE

- Retarded biosynthesis of thyroglobulin subunits and their polymerization in vitro after suppression of TSH secretion in rats by chronic administration of excess thyroxine in the form of iodinated casein. Sinadinović J, et al.  
*Acta Endocrinol (Copenh)* 89(1):108-21, Sep 78
- American Academy of Pediatrics. Committee on Drugs. Treatment of congenital hypothyroidism. *Pediatrics* 62(3):413-7, Sep 78



## ANALYSIS

- Membrane immunoassay: principle and applications of spin membrane immunoassay. Hsia JC, et al. *Ann NY Acad Sci* 308:139-48, 1978
- Semi-automated determination of hormonal iodine without incineration. Cabello G, et al. *Ann Rech Vet* 9(1):89-98, 1978
- Detection of bovine serum albumin interference in radioimmunoassay systems [letter] Shearer MR, et al. *Clin Chem* 24(10):1857-8, Oct 78
- High-pressure liquid chromatography of amino acids, peptides and proteins. V. Separation of thyroidal iodo-amino acids by hydrophilic ion-paired reversed-phase high-performance liquid chromatography. Hearn MT, et al. *J Chromatogr* 157:337-44, 21 Sep 78
- Radioimmunoassay and automated enzyme immunoassay for the determination of thyroxine. Riesen WF, et al. *J Clin Chem Clin Biochem* 16(7):387-9, Jul 78
- [Hyperthyroidism in older patients] Brun R, et al. *Schweiz Med Wochenschr* 108(39):1504-10, 30 Sep 78 (Eng. Abstr.) (Fre)
- [Radioimmunometric determinations of thyroid hormones in the clinical management of hyperthyroidism (author's transl)] Dutrem MT, et al. *Rev Invest Clin* 30(3):231-40, Jul-Sep 78 (Eng. Abstr.) (Spa)

## BIOSYNTHESIS

- Thyroid hormone contamination in crystalline diiodotyrosine. Alexander NM, et al. *Clin Chem* 24(10):1738-9, Oct 78

## BLOOD

- Importance of thyroid iodine and cyclic AMP, and TSH concentrations on goitre formation in rats. Berthier C, et al. *Acta Endocrinol (Copenh)* 89(3):567-79, Nov 78
- Anti-thyroxine and anti-triiodothyronine antibodies in three cases of Hashimoto's thyroiditis. Ikekubo K, et al. *Acta Endocrinol (Copenh)* 89(3):557-66, Nov 78
- The influence of chronic renal failure on serum and urinary thyroid hormone levels. Kølendorf K, et al. *Acta Endocrinol (Copenh)* 89(1):80-8, Sep 78
- Urinary excretion of thyroxine, triiodothyronine, 3,3',5'-triiodothyronine (reverse T3) and renal function in human newborns. Rogowski P, et al. *Acta Endocrinol (Copenh)* 89(2):276-83, Oct 78
- Possible role of hyperammonaemia and/or of portosystemic shunts on the variability of the TSH response to TRH in cirrhotic patients. Schlienger JL, et al. *Acta Endocrinol (Copenh)* 89(2):284-95, Oct 78
- Metabolic adaptation to hypoxia. Redox state of the cellular free NAD pools, phosphorylation state of the adenylate system and the (Na<sup>+</sup>-K<sup>+</sup>)-stimulated ATP-ase in rat liver. Kinnula VL, et al. *Acta Physiol Scand* 104(1):109-16, Sep 78
- Free-thyroxine index in psychotic and neurotic depression. Rinieris PM, et al. *Acta Psychiatr Scand* 58(1):56-60, Jul 78
- Reproducibility of mean values of duplicate specimens in the Basic Ligand Assay Survey. Haven GT, et al. *Am J Clin Pathol* 70(3 Suppl):532-8, Sep 78
- Indirect methods of assessing thyroid function. Protein-bound iodine and thyroxine by column chromatography, a 1976 CAP survey. Thiessen MM, et al. *Am J Clin Pathol* 70(3 Suppl):511-2, Sep 78
- Discrepancies in thyroxine measurement in pregnancy between radioimmunoassay and competitive protein binding (Oxford StaT4). Baird SG, et al. *Ann Clin Biochem* 15(4):208-12, Jul 78
- Scottish Immunoassay Support Service Quality Control scheme for thyroxine, triiodothyronine, and digoxin assays: analysis of first 18 months' experience. Ratcliffe WA, et al. *Ann Clin Biochem* 15(4):203-7, Jul 78
- Thyroid function tests simulating Graves' disease in alcoholic hepatitis. Stuart DD, et al. *Ann Intern Med* 89(4):514-5, Oct 78
- Thyroid function in hepatic schistosomiasis. Fahmy MH, et al. *Ann Trop Med Parasitol* 72(4):353-6, Aug 78
- Reverse triiodothyronine, thyroid hormone, and thyrotrophin concentrations in placental cord blood. Byfield PG, et al. *Arch Dis Child* 53(8):620-4, Aug 78
- Hormonal responses of sedentary and exercising men to recurrent heat exposure. Francesconi RP, et al. *Aviat Space Environ Med* 49(9):1102-6, Sep 78
- A study of thyroid function in psychiatric in-patients. McLarty DG, et al. *Br J Psychiatry* 133:211-8, Sep 78
- Thyroid function tests [letter] *Br Med J* 2(6139):771-2, 9 Sep 78
- Anticonvulsants and thyroid function [letter] Finucane J. *Br Med J* 2(6133):357, 29 Jul 78

- Hypothalamo-pituitary-thyroid function in anorexia nervosa: influence of weight gain. Leslie RD, et al. *Br Med J* 2(6136):526-8, 19 Aug 78
- Preliminary report on the use of propranolol in thyrotoxicosis: 1. Effect on serum thyroxine, triiodothyronine and reverse triiodothyronine concentrations. Tevaarwerk GJ, et al. *Can Med Assoc J* 119(4):350-1, 360, 26 Aug 78
- Neonatal thyroxine screening by use of a single-tube solid-phase radioimmunoassay. Bell AB, et al. *Clin Chem* 24(10):1755-8, Oct 78
- Determination of a trivariate reference region for free thyroxine index, free triiodothyronine index, and thyrotrophin from results obtained in a health survey of middle-aged women. Kågedal B, et al. *Clin Chem* 24(10):1744-50, Oct 78
- Variation of trace binding in digoxin radioimmunoassay by use of 125I-labeled 3-O-succinyl-digoxigenin: relation of thyroxine concentration to binding [letter] Lohff MR, et al. *Clin Chem* 24(10):1854, Oct 78
- A method of assessing serum triiodothyronine concentrations that is independent of subject's age and variations in concentrations of binding proteins in serum. Mardell R, et al. *Clin Chem* 24(10):1792-8, Oct 78
- A sensitive manual enzyme immunoassay for thyroxine. Schall RF Jr, et al. *Clin Chem* 24(10):1801-4, Oct 78
- Oral administration of thyrotrophin-releasing hormone (TRH) in the diagnosis of thyreopathies. Felt V, et al. *Czech Med* 1(3):162-8, 1978
- Low serum thyroxine due to anti-thyroxine antibody. Ikekubo K, et al. *Endocrinol Jpn* 25(3):275-9, Jun 78
- Effects of anticonvulsant drugs on thyroid hormones in epileptic children. Fichsel H, et al. *Epilepsia* 19(4):323-36, Aug 78
- Patients with intractable angina: free thyroxine index, immunoreactive insulin and free fatty acids in blood, free adrenaline and noradrenaline in urine. Ceremużyński L, et al. *Eur J Cardiol* 7(5-6):353-65, Jul 78
- Plasma triiodothyronine, thyroxine and thyrotrophin levels in germfree rats. Ukai M, et al. *Experientia* 34(8):1095-6, 15 Aug 78
- Genetic variation in plasma thyroxine levels and minimal metabolic rates of the mouse, *Mus musculus*. Stewart AD, et al. *Genet Res* 31(3):303-6, Jun 78
- The fulminant hyperthermia-stress syndrome: plasma thyroxine and triiodothyronine levels in susceptible and normal pigs and man. pp. 161-73. Eighth JJ, et al. In: Aldrete JA, Britt BA, ed. *Malignant hyperthermia*. New York, Grune & Stratton, 1978. W3 IN919GK 1977s.
- Concentrations of certain hormones in the blood of human males subjected to steady-state noise. pp. 270-3. Favino A. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Seasonal changes of the testicular and thyroid functions in the badger, *Meles meles* L. pp. 85-6. Maurel D. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Annual endocrine rhythms in healthy young adult men: their implication in human biology and medicine. pp. 113-21. Reinberg A, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Effects of exercise, altitude, and food on blood hormone and metabolite levels. Stock MJ, et al. *J Appl Physiol* 45(3):350-4, Sep 78
- Serum thyrotrophin, thyroxine, and tri-iodothyronine in dairy cows fed varying amounts of iodine. Convey EM, et al. *J Dairy Sci* 61(6):771-5, Jun 78
- Effects of age and ovarian function on the pituitary-thyroid system in female rats. Chen HJ, et al. *J Endocrinol* 78(2):225-32, Aug 78
- Thyroid function tests for the practicing physician. Roudebush CP, et al. *J Indiana State Med Assoc* 71(9):837-9, Sep 78
- T4 toxicosis in Graves' disease. Wogsrawat N. *J Kans Med Soc* 79(10):567-8, Oct 78
- A comparison of thyroxine and desiccated thyroid in patients with primary hypothyroidism. Sawin CT, et al. *Metabolism* 27(10):1518-25, Oct 78
- Thyroxine-binding globulin deficiency: innocent cause of low serum thyroxine (T4) levels. Typlin BL, et al. *Ohio State Med J* 74(9):563-5, Sep 78
- The assessment of thyroid function and structure. Bain J, et al. *Otolaryngol Clin North Am* 11(2):419-43, Jun 78 (27 ref.)
- Regulation of TSH secretion in rats chronically exposed to heat (34 degrees C). Rousset B, et al. *Pflugers Arch* 375(2):177-81, 18 Jul 78
- Studies of growth hormone (GH), thyrotrophin (TSH) and prolactin (PRL) secretion in anorexia nervosa. Macaron C, et al. *Psychoneuroendocrinology* 3(2):181-5, Apr 78
- Pituitary stalk-section and some of its effects on endocrine



## THYROXINE

- function in the fetal lamb. Abel MH, et al. *Q J Exp Physiol* 63(3):211-9, Jul 78
- Radioimmunoassay of triiodothyronine and thyroxine in capillary blood. Ljunggren JG, et al. *Scand J Clin Lab Invest* 38(6):593-5, Oct 78
- Prevention and management of hyperthyroid storm. Dobyns BM. *World J Surg* 2(3):293-306, May 78
- [Value of the assay of plasma triiodothyronine level for the diagnosis of hyperthyroidism and hypothyroidism] Wiersinga WM, et al. *Ned Tijdschr Geneesk* 122(37):1349-58, 16 Sep 78 (Eng. Abstr.) (Dut)
- [Transient hypothyroidism in 8 low birth weight newborns. Role of topical application of iodine chemicals] Malpuech G, et al. *Arch Fr Pediatr* 35(6):620-30, Jun-Jul 78 (Eng. Abstr.) (Fre)
- [Neonatal detection of hypothyroidism in the South-Pyrenean region. Results of 14,000 determinations of T4 in blood eluates collected on blotting-paper] Rochiccioli P, et al. *Arch Fr Pediatr* 35(6):589-94, Jun-Jul 78 (Eng. Abstr.) (Fre)
- [TRI-TAB kit and TETRA-TAB kit] Imazeki K, et al. *Horumon To Rinsho* 26(1):107-13, Jan 78 (Jpn)
- [Experimental and clinical evaluations of T4 radioimmunoassay kit by a solid phase method--Konsul T4 RIA] Koizumi K, et al. *Horumon To Rinsho* 26(8):821-4, Aug 78 (Jpn)
- [Determination of T4 with Seralute-T4 RIA kit] Sawazaki N, et al. *Horumon To Rinsho* 26(1):101-5, Jan 78 (Jpn)
- [Fundamental and clinical studies of radioimmunoassay for T4 RIA (PEG) Kit (author's transl)] Sakamoto O, et al. *Kaku Igaku* 15(4):599-603, Jun 78 (Jpn)
- [A study on the multivariate analysis of 13 kinds of serum proteins in patients with hyperthyroidism (author's transl)] Mitani H. *Nippon Naibunpi Gakkai Zasshi* 54(5):619-35, 20 May 78 (Eng. Abstr.) (Jpn)
- [Thyroid (author's transl)] Mikuni T, et al. *Rinsho Byori* 26(6):478-82, Jun 78 (Jpn)
- [Effect of bovine thyrotropin 'Aminon' on serum levels of triiodothyronine, thyroxine and cycl AMP] Halawa B, et al. *Wiad Lek* 31(12):813-6, 15 Jun 78 (Eng. Abstr.) (Pol)
- [Interaction between the hypothalamo-hypophyseal system and the thyroid gland during different age periods] Frol'kis VV, et al. *Biull Eksp Biol Med* 86(8):133-7, Aug 78 (Eng. Abstr.) (Rus)
- [Hypothalamo-hypophyseal-thyroid relationship in patients with Itsenko-Cushing disease treated with chloditan] Slavnov VN, et al. *Klin Med (Mosk)* 56(8):65-70, Aug 78 (Eng. Abstr.) (Rus)
- [Evaluation of the effectiveness of treatment of hypothyroidism according to the blood serum level of triiodothyronine and thyroxine] Izmailov GI. *Vrach Delo* (6):108-10, Jun 78 (Eng. Abstr.) (Rus)
- [Observations on the interaction of thyroxine with its main transporting protein and its relation to the in vitro thyroid function test. II. Clinical pictures with serum protein changes] Cuarón Santisteban A, et al. *Arch Inst Cardiol Mex* 48(4):754-78, Jul-Aug 78 (Eng. Abstr.) (Spa)
- [Hypothalamo-hypophyseal-thyroid axis in the aged] Mollerach F, et al. *Medicina (B Aires)* 38(3):276-80, May-Jun 78 (Eng. Abstr.) (Spa)
- [Influence of the neuroleptoanalgesia on the levels of phenylalanine and serum thyroxine] Nalda MA, et al. *Rev Esp Anestesiol Reanim* 25(4):269-74, Jul 78 (Spa)
- [Serum levels of T3 and T4 in hyperthyroidism during the administration of antithyroid drugs (author's transl)] Gómez Vargas E, et al. *Rev Invest Clin* 30(3):265-71, Jul-Sep 78 (Eng. Abstr.) (Spa)

## IMMUNOLOGY

- Anti-thyroxine and anti-triiodothyronine antibodies in three cases of Hashimoto's thyroiditis. Ikekubo K, et al. *Acta Endocrinol (Copenh)* 89(3):557-66, Nov 78
- Low serum thyroxine due to anti-thyroxine antibody. Ikekubo K, et al. *Endocrinol Jpn* 25(3):275-9, Jun 78

## METABOLISM

- Thyroid function tests simulating Graves' disease in alcoholic hepatitis. Stuart DD, et al. *Ann Intern Med* 89(4):514-5, Oct 78
- Changes in rodent thyroid hormones and cyclic-AMP following treatment with pineal indolic compounds. Nir I, et al. *Arch Int Physiol Biochim* 86(2):353-62, May 78
- Sequential deiodination of thyroxine in rat liver homogenate. Visser TJ, et al. *Biochem J* 174(1):221-9, 15 Jul 78
- Uptake and metabolism of thyroid hormones by cultured monkey hepatocarcinoma cells. Effects of potassium cyanide and dinitrophenol. Sorimachi K, et al.

## THYROID

- Biochim Biophys Acta* 542(3):515-26, 6 Sep 78
- Genetic variation in plasma thyroxine levels and minimal metabolic rates of the mouse, *Mus musculus*. Stewart AD, et al. *Genet Res* 31(3):303-6, Jun 78
- L-triiodothyronine and L-reverse-triiodothyronine generation in the human polymorphonuclear leukocyte. Woebber KA. *J Clin Invest* 62(3):577-84, Sep 78
- Lack of influence of povidone-iodine on tests of thyroid function. Lividas DP, et al. *J Int Med Res* 6(5):406-8, 1978
- Effect of starvation, nutrient replacement, and hypothyroidism on in vitro hepatic T4 to T3 conversion in the rat. Harris AR, et al. *Metabolism* 27(11):1680-90, Nov 78
- Thyroxine to 3,5,3'-triiodothyronine conversion by rat anterior pituitary and liver. Silva JE, et al. *Metabolism* 27(11):1601-7, Nov 78
- [Dietary proteins and deiodination in the liver] Voss C, et al. *Nahrung* 22(4):415-8, 1978 (Eng. Abstr.) (Ger)
- [Metabolism of thyroid hormones and its regulation] Nagataki S. *Nippon Rinsho Suppl*:1554-5, May 78 (Jpn)

## PHARMACODYNAMICS

- Action of KI and several iodocompounds on [3H]uridine incorporation into thyroid RNA. Kleiman de Pisarev DL, et al. *Acta Endocrinol (Copenh)* 89(2):316-22, Oct 78
- Retarded biosynthesis of thyroglobulin subunits and their polymerization in vitro after suppression of TSH secretion in rats by chronic administration of excess thyroxine in the form of iodinated casein. Sinadinović J, et al. *Acta Endocrinol (Copenh)* 89(1):108-21, Sep 78
- Effect of thyroxine treatment on carnitine levels in mice. Cederblad G, et al. *Acta Pharmacol Toxicol (Copenh)* 43(1):1-5, Jul 78
- Enzyme changes in neonatal skeletal muscle: effect of thyroid deficiency. Baldwin KM, et al. *Am J Physiol* 235(3):C97-102, Sep 78
- Influence of hormones on NADH-dehydrogenase in mouse liver plasma membrane. Goldenberg H, et al. *Biochem Biophys Res Commun* 83(1):234-40, 14 Jul 78
- Inhibition of thyrotropin binding to human thyroid plasma membranes by thyroid hormones and 'reverse triiodothyronine'. Kielczyński W, et al. *Biochem Biophys Res Commun* 82(3):811-9, 14 Jun 78
- Applications of adeno-hypophyseal cell cultures to neuroendocrine studies. Vale W, et al. *Curr Top Mol Endocrinol* 3:397-429, 1976 (72 ref.)
- Myofibrillar alkaline protease activity in rat heart and its responses to some interventions that alter cardiac size. Griffin WS, et al. *J Mol Cell Cardiol* 10(7):669-76, Jul 78
- TSH and ACTH secretion and cyclic adenosine 3'5' monophosphate content following stimulation with TRH or lysine vasopressin in vitro: suppression by thyroxine and dexamethasone. Rose JC, et al. *Proc Soc Exp Biol Med* 158(4):524-9, Sep 78
- Thyroid hormone potentiation of primaquine induced fluorescent chromolipid formation in erythrocytes. Jain SK, et al. *Proc West Pharmacol Soc* 21:233-6, 1978
- [Comparison of the haemodynamic action of triiodothyronine and thyroxine in rats (author's transl)] Kapitola J, et al. *Sb Lek* 80(9):262-5, Sep 78 (Eng. Abstr.) (Cze)
- [Effect of diet and thyroxine on body composition in rats] Voss C, et al. *Endokrinologie* 72(1):66-76, Apr 78 (Eng. Abstr.) (Ger)
- [Effects of various endocrinous treatments and differentiation on the somatostatin volume in the rat hypothalamus] Kanda K, et al. *Horumon To Rinsho* 26(6):533-6, Jun 78 (Jpn)
- [Specific variability in the number of cells with X-chromatin in short-term buccal epithelium cultures from women following exposure to hormones at different phases in their individual diurnal biorhythm] Zaletaeva TA, et al. *Biull Eksp Biol Med* 86(9):374-8, Sep 78 (Eng. Abstr.) (Rus)
- [Effect of thyroxine and noradrenaline on the energetics of muscle contraction] Pchelenko LD. *Fiziol Zh SSSR* 64(8):1124-8, Aug 78 (Eng. Abstr.) (Rus)
- [Osmotic resistance of erythrocytes in guinea pigs treated simultaneously with thyroxine and hydrocortisone] Skerović Dj, et al. *Srp Arh Celok Lek* 105(9):713-7, Sep 77 (Eng. Abstr.) (Sec)

## PHYSIOLOGY

- [Clinical use of synthetic thyroliberin (thyrotropin-releasing factor)] Starkova NT, et al. *Probl Endokrinol (Mosk)* 24(5):103-10, Sep-Oct 78 (Rus)
- [Observations on the interaction of thyroxine with its main transporting protein and its relation to the in vitro thyroid function test. II. Clinical pictures with serum protein changes] Cuarón Santisteban A, et al.



# THYROID

# TRIIODOTHYRONINE

Arch Inst Cardiol Mex 48(4):754-78, Jul-Aug 78 (Eng. Abstr.) (Spa)

## SECRETION

[Radioimmuno-metric determinations of thyroid hormones in the clinical management of hyperthyroidism (author's transl)] Dutrem MT, et al. Rev Invest Clin 30(3):231-40, Jul-Sep 78 (Eng. Abstr.) (Spa)

## THERAPEUTIC USE

Effects of substitution with thyroxine on the thyrotrophin (TSH) response to thyrotrophin-releasing hormone (TRH) in severe primary myxoedema and in mild hypothyroidism following prolonged thyrostatic therapy. Fischer HR, et al. Acta Endocrinol (Copenh) 89(2):303-15, Oct 78

Hyperprolactinaemia in a boy with hypothyroidism due to an ectopic thyroid. Roitman A, et al. Acta Paediatr Belg 31(3):155-7, Jul-Sep 78

Primary hypothyroidism and pituitary enlargement. Radiological evidence of pituitary regression. Jawadi MH, et al. Arch Intern Med 138(10):1555-7, Oct 78

A comparison of thyroxine and desiccated thyroid in patients with primary hypothyroidism. Sawin CT, et al. Metabolism 27(10):1518-25, Oct 78

American Academy of Pediatrics. Committee on Drugs. Treatment of congenital hypothyroidism. Pediatrics 62(3):413-7, Sep 78

Serum thyroid hormones in patients on replacement or suppressive doses of L-thyroxine. Rosenblatt S, et al. West J Med 129(2):165-7, Aug 78

[Thyroid hormones in symphysis disorders in pregnancy (letter)] Wörner O. Dtsch Med Wochenschr 103(43):1716, 27 Oct 78 (Ger)

## URINE

The influence of chronic renal failure on serum and urinary thyroid hormone levels. Kølendorf K, et al. Acta Endocrinol (Copenh) 89(1):80-8, Sep 78

Urinary excretion of thyroxine, triiodothyronine, 3,3',5'-triiodothyronine (reverse T3) and renal function in human newborns. Rogowski P, et al. Acta Endocrinol (Copenh) 89(2):276-83, Oct 78

## TRIIODOTHYRONINE

[Thyrotrophin-releasing hormone and its effect on 3,3',5'-l-triiodothyronine ('reverse T3') in patients with hyper- and hypothyroidism (author's transl)] Nedvídková J, et al. Cas Lek Cesk 117(29-30):913-6, 28 Jul 78 (Eng. Abstr.) (Cze)

[Presence of nuclear triiodothyronine (T3) receptors in mouse fibroblasts] Brisson-Lougarre A, et al. C R Soc Biol (Paris) 172(2):355-8, 1978 (Eng. Abstr.) (Fre)

## ADMINISTRATION & DOSAGE

Growth of a human breast cancer cell line in serum-free hormone-supplemented medium. Allegra JC, et al. Cancer Res 38(11 Pt 1):3823-9, Nov 78

## ANALYSIS

Detection of bovine serum albumin interference in radioimmunoassay systems [letter] Shearer MR, et al. Clin Chem 24(10):1857-8, Oct 78

High-pressure liquid chromatography of amino acids, peptides and proteins. V. Separation of thyroidal iodo-amino acids by hydrophilic ion-paired reversed-phase high-performance liquid chromatography. Hearn MT, et al. J Chromatogr 157:337-44, 21 Sep 78

[Hyperthyroidism in older patients] Brun R, et al. Schweiz Med Wochenschr 108(39):1504-10, 30 Sep 78 (Eng. Abstr.) (Fre)

[Radioimmuno-metric determinations of thyroid hormones in the clinical management of hyperthyroidism (author's transl)] Dutrem MT, et al. Rev Invest Clin 30(3):231-40, Jul-Sep 78 (Eng. Abstr.) (Spa)

## BIOSYNTHESIS

L-triiodothyronine and L-reverse-triiodothyronine generation in the human polymorphonuclear leukocyte. Woebber KA. J Clin Invest 62(3):577-84, Sep 78

Effect of starvation, nutrient replacement, and

hypothyroidism on in vitro hepatic T4 to T3 conversion in the rat. Harris AR, et al. Metabolism 27(11):1680-90, Nov 78

Thyroxine to 3,5,3'-triiodothyronine conversion by rat anterior pituitary and liver. Silva JE, et al. Metabolism 27(11):1601-7, Nov 78

## BLOOD

Importance of thyroid iodine and cyclic AMP, and TSH concentrations on goitre formation in rats. Berthier C, et al. Acta Endocrinol (Copenh) 89(3):567-79, Nov 78

Triiodothyronine metabolism in diabetic rats. Boado R, et al. Acta Endocrinol (Copenh) 89(2):323-8, Oct 78

Effects of substitution with thyroxine on the thyrotrophin (TSH) response to thyrotrophin-releasing hormone (TRH) in severe primary myxoedema and in mild hypothyroidism following prolonged thyrostatic therapy. Fischer HR, et al. Acta Endocrinol (Copenh) 89(2):303-15, Oct 78

Anti-thyroxine and anti-triiodothyronine antibodies in three cases of Hashimoto's thyroiditis. Ikekubo K, et al. Acta Endocrinol (Copenh) 89(3):557-66, Nov 78

The influence of chronic renal failure on serum and urinary thyroid hormone levels. Kølendorf K, et al. Acta Endocrinol (Copenh) 89(1):80-8, Sep 78

Urinary excretion of thyroxine, triiodothyronine, 3,3',5'-triiodothyronine (reverse T3) and renal function in human newborns. Rogowski P, et al. Acta Endocrinol (Copenh) 89(2):276-83, Oct 78

Possible role of hyperammonaemia and/or of portosystemic shunts on the variability of the TSH response to TRH in cirrhotic patients. Schlienger JL, et al. Acta Endocrinol (Copenh) 89(2):284-95, Oct 78

Reproducibility of mean values of duplicate specimens in the Basic Ligand Assay Survey. Haven GT, et al. Am J Clin Pathol 70(3 Suppl):532-8, Sep 78

Scottish Immunoassay Support Service Quality Control scheme for thyroxine, triiodothyronine, and digoxin assays: analysis of first 18 months' experience. Ratcliffe WA, et al. Ann Clin Biochem 15(4):203-7, Jul 78

Thyroid function tests simulating Graves' disease in alcoholic hepatitis. Stuart DD, et al. Ann Intern Med 89(4):514-5, Oct 78

Thyroid function in hepatic schistosomiasis. Fahmy MH, et al. Ann Trop Med Parasitol 72(4):353-6, Aug 78

Reverse triiodothyronine, thyroid hormone, and thyrotrophin concentrations in placental cord blood. Byfield PG, et al. Arch Dis Child 53(8):620-4, Aug 78

A study of thyroid function in psychiatric in-patients. McLarty DG, et al. Br J Psychiatry 133:211-8, Sep 78

Hypothalamo-pituitary-thyroid function in anorexia nervosa: influence of weight gain. Leslie RD, et al. Br Med J 2(6136):526-8, 19 Aug 78

Preliminary report on the use of propranolol in thyrotoxicosis: I. Effect on serum thyroxine, triiodothyronine and reverse triiodothyronine concentrations. Tevaarwerk GJ, et al. Can Med Assoc J 119(4):350-1, 360, 26 Aug 78

125I-triiodothyronine plasma binding ratio test in assessment of thyroid function. Lin HT, et al. Chin Med J [Engl] 4(4):286-90, Jul 78

Determination of a trivariate reference region for free thyroxine index, free triiodothyronine index, and thyrotrophin from results obtained in a health survey of middle-aged women. Kågedal B, et al. Clin Chem 24(10):1744-50, Oct 78

A method of assessing serum triiodothyronine concentrations that is independent of subject's age and variations in concentrations of binding proteins in serum. Mardell R, et al. Clin Chem 24(10):1792-8, Oct 78

Triiodothyronine uptake test in which antibody-coated tubes are used compared to two other tests in which precipitation separations are used. Szpunar WE, et al. Clin Chem 24(9):1616-7, Sep 78

Oral administration of thyrotrophin-releasing hormone (TRH) in the diagnosis of thyreopathies. Felt V, et al. Czech Med 1(3):162-8, 1978

Effects of anticonvulsant drugs on thyroid hormones in epileptic children. Fichsel H, et al. Epilepsia 19(4):323-36, Aug 78

Plasma triiodothyronine, thyroxine and thyrotrophin levels in germfree rats. Ukai M, et al. Experientia 34(8):1095-6, 15 Aug 78

The fulminant hyperthermia-stress syndrome: plasma thyroxine and triiodothyronine levels in susceptible and normal pigs and man. pp. 161-73. Eighth JJ, et al. In: Aldrete JA, Britt BA, ed. Malignant hyperthermia. New York, Grune & Stratton, 1978. W3 IN919GK 1978.

Serum thyrotrophin, thyroxine, and tri-iodothyronine in dairy cows fed varying amounts of iodine. Convey EM, et al. J Dairy Sci 61(6):771-5, Jun 78



- Effects of age and ovarian function on the pituitary-thyroid system in female rats. Chen HJ, et al. *J Endocrinol* 78(2):225-32, Aug 78
- Thyroid function tests for the practicing physician. Roubesh CP, et al. *J Indiana State Med Assoc* 71(9):837-9, Sep 78
- Suppression of serum thyrotropin (TSH) concentrations following thyroidectomy and cold exposure by passive immunization with antiserum to thyrotropin-releasing hormone (TRH) in rats. Mori M, et al. *Metabolism* 27(10):1485-90, Oct 78
- A comparison of thyroxine and desiccated thyroid in patients with primary hypothyroidism. Sawin CT, et al. *Metabolism* 27(10):1518-25, Oct 78
- The assessment of thyroid function and structure. Bain J, et al. *Otolaryngol Clin North Am* 11(2):419-43, Jun 78 (27 ref.)
- Regulation of TSH secretion in rats chronically exposed to heat (34 degrees C). Rousset B, et al. *Pflugers Arch* 375(2):177-81, 18 Jul 78
- Response to thyrotropin-releasing hormone stimulation in young psychotic children: a pilot study. Campbell M, et al. *Psychoneuroendocrinology* 3(2):195-201, Apr 78
- A sensitive radioimmunoassay for measurements of 3,3'-diiodothyronine in unextracted serum. Laurberg P. *Scand J Clin Lab Invest* 38(6):537-42, Oct 78
- Radioimmunoassay of triiodothyronine and thyroxine in capillary blood. Ljunggren JG, et al. *Scand J Clin Lab Invest* 38(6):593-5, Oct 78
- Prevention and management of hyperthyroid storm. Dobyns BM. *World J Surg* 2(3):293-306, May 78
- [Triiodothyronine thyrotoxicosis in a female patient with thyroiditis (author's transl)] Felt V, et al. *Cas Lek Cesk* 117(29-30):924-6, 28 Jul 78 (Eng. Abstr.) (Cze)
- [Thyrotropin-releasing hormone and its effect on 3,3',5'-I-triiodothyronine ('reverse T3') in patients with hyper- and hypothyroidism (author's transl)] Nedvídková J, et al. *Cas Lek Cesk* 117(29-30):913-6, 28 Jul 78 (Eng. Abstr.) (Cze)
- [A simple technic of measuring the I-125 - T3 binding to serum proteins in the T3 in-vitro test utilizing the Ostion AD ion exchanger] Safarik K, et al. *Vnitř Lek* 24(10):1008-14, Oct 78 (Eng. Abstr.) (Cze)
- [Risks in sudden withdrawal of beta-blocking drugs—beta-blockade withdrawal syndrome] Kristensen BO. *Ugeskr Laeger* 140(39):2357-60, 25 Sep 78 (Eng. Abstr.) (Dan)
- [Value of the assay of plasma triiodothyronine level for the diagnosis of hyperthyroidism and hypothyroidism] Wiersinga WM, et al. *Ned Tijdschr Geneesk* 122(37):1349-58, 16 Sep 78 (Eng. Abstr.) (Dut)
- [Transient hypothyroidism in 8 low birth weight newborns. Role of topical application of iodine chemicals] Malpuech G, et al. *Arch Fr Pediatr* 35(6):620-30, Jun-Jul 78 (Eng. Abstr.) (Fre)
- [Neonatal detection of hypothyroidism in the South-Pyrenean region. Results of 14,000 determinations of T4 in blood eluates collected on blotting-paper] Rochiccioli P, et al. *Arch Fr Pediatr* 35(6):589-94, Jun-Jul 78 (Eng. Abstr.) (Fre)
- [Behavior of some hormones in pregnancy and their influence on carbohydrate metabolism] Cappa F, et al. *Boll Soc Ital Biol Sper* 54(7):647-50, 15 Apr 78 (Ita)
- [TRI-TAB kit and TETRA-TAB kit] Imazeki K, et al. *Horumon To Rinsho* 26(1):107-13, Jan 78 (Jpn)
- [Endocrine activities and ultrastructure of functioning nodular goiter] Ishida T, et al. *Horumon To Rinsho* 26(1):17-23, Jan 78 (Jpn)
- [Triiodothyronine radioimmunoassay by a solid phase method—an evaluation of Konsul T3 RIA Kit] Mitsuma T, et al. *Horumon To Rinsho* 26(8):817-20, Aug 78 (Jpn)
- [Determination of T3 uptake using T3 antibody—evaluation of Konsul T3 uptake] Nihei N, et al. *Horumon To Rinsho* 26(8):813-6, Aug 78 (Jpn)
- [Measurement of 3, 3', 5' triiodothyronine (rT3) in human serum with radioimmunoassay (author's transl)] Mitsuma T. *Kaku Igaku* 15(4):605-11, Jun 78 (Jpn)
- [A study on the multivariate analysis of 13 kinds of serum proteins in patients with hyperthyroidism (author's transl)] Mitani H. *Nippon Naibunpi Gakkai Zasshi* 54(5):619-35, 20 May 78 (Eng. Abstr.) (Jpn)
- [T3 toxicosis] Mitsuma T. *Nippon Rinsho Suppl*:1558-9, May 78 (Jpn)
- [Thyroid (author's transl)] Mikuni T, et al. *Rinsho Byori* 26(6):478-82, Jun 78 (Jpn)
- [Effect of bovine thyrotropin 'Aminon' on serum levels of triiodothyronine, thyroxine and cycl AMP] Halawa B, et al. *Wiad Lek* 31(12):813-6, 15 Jun 78 (Eng. Abstr.) (Pol)
- [Interaction between the hypothalamo-hypophyseal system and the thyroid gland during different age periods] Frol'kis VV, et al. *Biull Eksp Biol Med* 86(8):133-7, Aug 78 (Eng. Abstr.) (Rus)
- [Study of hormones of the thyroid gland in early postoperative period] Pereslegin IA, et al. *Klin Med (Mosk)* 56(8):48-54, Aug 78 (Eng. Abstr.) (Rus)
- [Hypothalamo-hypophyseal-thyroid relationship in patients with Itsenko-Cushing disease treated with chloditan] Slavov VN, et al. *Klin Med (Mosk)* 56(8):65-70, Aug 78 (Eng. Abstr.) (Rus)
- [Evaluation of the effectiveness of treatment of hypothyroidism according to the blood serum level of triiodothyronine and thyroxine] Izmailov GI. *Vrach Delo* (6):108-10, Jun 78 (Eng. Abstr.) (Rus)
- [Observations on the interaction of thyroxine with its main transporting protein and its relation to the in vitro thyroid function test. II. Clinical pictures with serum protein changes] Cuarón Santisteban A, et al. *Arch Inst Cardiol Mex* 48(4):754-78, Jul-Aug 78 (Eng. Abstr.) (Spa)
- [Hypothalamo-hypophyseal-thyroid axis in the aged] Mollerach F, et al. *Medicina (B Aires)* 38(3):276-80, May-Jun 78 (Eng. Abstr.) (Spa)
- [Serum levels of T3 and T4 in hyperthyroidism during the administration of antithyroid drugs (author's transl)] Gómez Vargas E, et al. *Rev Invest Clin* 30(3):265-71, Jul-Sep 78 (Eng. Abstr.) (Spa)

## DIAGNOSTIC USE

- Thyroid screening with triiodothyronine assay. Zipf RE Jr. *Ann Clin Lab Sci* 8(5):372-5, Sep-Oct 78
- Thyroid function tests [letter] *Br Med J* 2(6139):771-2, 9 Sep 78

## IMMUNOLOGY

- Anti-thyroxine and anti-triiodothyronine antibodies in three cases of Hashimoto's thyroiditis. Ikekubo K, et al. *Acta Endocrinol (Copenh)* 89(3):557-66, Nov 78
- [Determination of T3 uptake using T3 antibody—evaluation of Konsul T3 uptake] Nihei N, et al. *Horumon To Rinsho* 26(8):813-6, Aug 78 (Jpn)

## METABOLISM

- Triiodothyronine metabolism in diabetic rats. Boado R, et al. *Acta Endocrinol (Copenh)* 89(2):323-8, Oct 78
- Thyroid function tests simulating Graves' disease in alcoholic hepatitis. Stuart DD, et al. *Ann Intern Med* 89(4):514-5, Oct 78
- Changes in rodent thyroid hormones and cyclic-AMP following treatment with pineal indolic compounds. Nir I, et al. *Arch Int Physiol Biochim* 86(2):353-62, May 78
- Sequential deiodination of thyroxine in rat liver homogenate. Visser TJ, et al. *Biochem J* 174(1):221-9, 15 Jul 78
- Uptake and metabolism of thyroid hormones by cultured monkey hepatocarcinoma cells. Effects of potassium cyanide and dinitrophenol. Sorimachi K, et al. *Biochim Biophys Acta* 542(3):515-26, 6 Sep 78
- Nuclear thyroid hormone receptors in a human breast cancer cell line. Burke RE, et al. *Cancer Res* 38(11 Pt 1):3769-73, Nov 78
- Variation of trace binding in digoxin radioimmunoassay by use of 125I-labeled 3-O-succinyl-digoxigenin: relation of thyroxine concentration to binding [letter] Lohff MR, et al. *Clin Chem* 24(10):1854, Oct 78
- In vitro responses of the epidermis to triiodothyronine. Holt PJ. *J Invest Dermatol* 71(3):202-4, Sep 78
- Use of I-123 in early radioiodide uptake and its suppression in children and adolescents with hyperthyroidism. Lee WN, et al. *J Nucl Med* 19(9):985-93, Sep 78
- [Presence of nuclear triiodothyronine (T3) receptors in mouse fibroblasts] Brisson-Lougarre A, et al. *C R Soc Biol (Paris)* 172(2):355-8, 1978 (Eng. Abstr.) (Fre)
- [Metabolism of thyroid hormones and its regulation] Nagataki S. *Nippon Rinsho Suppl*:1554-5, May 78 (Jpn)
- [Effect of propranolol on the index of triiodothyronine binding in Graves' disease] Mazanek-Szymańska E. *Pol Tyg Lek* 33(34):1551-2, 21 Aug 78 (Pol)

## PHARMACODYNAMICS

- Coordinate regulation of acetyl coenzyme A carboxylase and fatty acid synthetase in liver cells of the developing chick in vivo and in culture. Fischer PW, et al. *Arch Biochem Biophys* 190(1):332-44, Sep 78
- Influence of hormones on NADH-dehydrogenase in mouse liver plasma membrane. Goldenberg H, et al. *Biochem Biophys Res Commun* 83(1):234-40, 14 Jul 78
- Inhibition of thyrotropin binding to human thyroid plasma membranes by thyroid hormones and 'reverse



- triiodothyronine'. Kielczyński W, et al.  
*Biochem Biophys Res Commun* 82(3):811-9, 14 Jun 78
- Nuclear thyroid hormone receptors in a human breast cancer cell line. Burke RE, et al. *Cancer Res* 38(11 Pt 1):3769-73, Nov 78
- Effect of acute administration of triiodothyronine in chicken. Liver glycogen depletion and amino acid incorporation to proteins. Arrondo JL, et al. *Experientia* 34(8):1099-1100, 15 Aug 78
- Mechanism of triiodothyronine stimulation on microsomal fatty acid chain elongation synthesis in rat liver. Gnoni GV, et al. *FEBS Lett* 94(1):179-82, 1 Oct 78
- In vitro responses of the epidermis to triiodothyronine. Holt PJ. *J Invest Dermatol* 71(3):202-4, Sep 78
- Effect of L-triiodothyronine on (—)3H-dihydroalprenolol binding and cyclic AMP response to (—)adrenaline in cultured heart cells. Tsai JS, et al. *Nature* 275(5676):138-40, 14 Sep 78
- The effect of thyroid hormone on serotonergic neurones: depletion of serotonin in discrete brain areas of developing hypothroid rats. Rastogi RB, et al.  
*Naunyn Schmiedebergs Arch Pharmacol* 304(1):9-13, 24 Aug 78
- [Comparison of the haemodynamic action of triiodothyronine and thyroxine in rats (author's transl)] Kapitola J, et al. *Sb Lek* 80(9):262-5, Sep 78 (Eng. Abstr.) (Cze)
- [Effect of in vivo thyroid hormones and IGL on protein synthesis in the mitochondria of thyroidectomized animals] Rachev RR, et al. *Biull Eksp Biol Med* 86(8):167-70, Aug 78 (Eng. Abstr.) (Rus)

## PHYSIOLOGY

- [Behavior of some hormones in pregnancy and their influence on carbohydrate metabolism] Cappa F, et al.  
*Boll Soc Ital Biol Sper* 54(7):647-50, 15 Apr 78 (Ita)
- [Clinical use of synthetic thyroliberin (thyrotropin-releasing factor)] Starkova NT, et al. *Probl Endokrinol (Mosk)* 24(5):103-10, Sep-Oct 78 (Rus)
- [Observations on the interaction of thyroxine with its main transporting protein and its relation to the in vitro thyroid function test. II. Clinical pictures with serum protein changes] Cuarón Santisteban A, et al.  
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## SECRETION

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## URINE

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- Urinary excretion of thyroxine, triiodothyronine, 3,3',5'-triiodothyronine (reverse T3) and renal function in human newborns. Rogowski P, et al.  
*Acta Endocrinol (Copenh)* 89(2):276-83, Oct 78

## TRIIODOTHYRONINE, REVERSE

- [Thyrotropin-releasing hormone and its effect on 3,3',5'-l-triiodothyronine ('reverse T3') in patients with hyper- and hypothyroidism (author's transl)] Nedvídková J, et al. *Cas Lek Cesk* 117(29-30):913-6, 28 Jul 78 (Eng. Abstr.) (Cze)

## ANALYSIS

- High-pressure liquid chromatography of amino acids, peptides and proteins. V. Separation of thyroidal iodo-amino acids by hydrophilic ion-paired reversed-phase high-performance liquid chromatography. Hearn MT, et al. *J Chromatogr* 157:337-44, 21 Sep 78

## BIOSYNTHESIS

- L-triiodothyronine and L-reverse-triiodothyronine generation in the human polymorphonuclear leukocyte. Woeber KA. *J Clin Invest* 62(3):577-84, Sep 78

## BLOOD

- Urinary excretion of thyroxine, triiodothyronine,

- 3,3',5'-triiodothyronine (reverse T3) and renal function in human newborns. Rogowski P, et al.  
*Acta Endocrinol (Copenh)* 89(2):276-83, Oct 78
- Reverse triiodothyronine, thyroid hormone, and thyrotrophin concentrations in placental cord blood. Byfield PG, et al.  
*Arch Dis Child* 53(8):620-4, Aug 78
- Hypothalamo-pituitary-thyroid function in anorexia nervosa: influence of weight gain. Leslie RD, et al. *Br Med J* 2(6136):526-8, 19 Aug 78
- Preliminary report on the use of propranolol in thyrotoxicosis: I. Effect on serum thyroxine, triiodothyronine and reverse triiodothyronine concentrations. Tevaarwerk GJ, et al.  
*Can Med Assoc J* 119(4):350-1, 360, 26 Aug 78
- [Thyrotropin-releasing hormone and its effect on 3,3',5'-l-triiodothyronine ('reverse T3') in patients with hyper- and hypothyroidism (author's transl)] Nedvídková J, et al. *Cas Lek Cesk* 117(29-30):913-6, 28 Jul 78 (Eng. Abstr.) (Cze)

## METABOLISM

- Sequential deiodination of thyroxine in rat liver homogenate. Visser TJ, et al. *Biochem J* 174(1):221-9, 15 Jul 78

## PHARMACODYNAMICS

- Action of KI and several iodocompounds on [3H]uridine incorporation into thyroid RNA. Kleiman de Pisarev DL, et al. *Acta Endocrinol (Copenh)* 89(2):316-22, Oct 78
- Inhibition of thyrotropin binding to human thyroid plasma membranes by thyroid hormones and 'reverse triiodothyronine'. Kielczyński W, et al.  
*Biochem Biophys Res Commun* 82(3):811-9, 14 Jun 78

## URINE

- Urinary excretion of thyroxine, triiodothyronine, 3,3',5'-triiodothyronine (reverse T3) and renal function in human newborns. Rogowski P, et al.  
*Acta Endocrinol (Copenh)* 89(2):276-83, Oct 78

# THYROID

## IV. Thyroid Antagonists and Inhibitors

### CARBIMAZOLE

#### THERAPEUTIC USE

- Role of lithium in radioiodide therapy. pp. 113-9. Burrow GN, et al.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
Choice of preoperative treatment in hyperthyroidism. Heimann P. *World J Surg* 2(3):289-92, May 78

### METHIMAZOLE

#### ADMINISTRATION & DOSAGE

- Use of I-123 in early radioiodide uptake and its suppression in children and adolescents with hyperthyroidism. Lee WN, et al. *J Nucl Med* 19(9):985-93, Sep 78  
Further studies of the action of antithyroid drugs on *Mycobacterium leprae*. Levy L, et al.  
*Proc Soc Exp Biol Med* 158(4):582-5, Sep 78

#### ANALOGS & DERIVATIVES

- [Synthesis of imidazoline-2-thiol derivatives with potential tuberculostatic activity. I. Reactions of imidazoline-thiol with some isocyanates and isothiocyanates] Sawlewicz J, et al. *Acta Pol Pharm* 35(4):403-11, 1978 (Eng. Abstr.) (Pol)  
[Synthesis of imidazoline-2-thiol derivatives with potential tuberculostatic activity. II. Reactions of S-substituted derivatives of imidazoline-thiol with isocyanates and isothiocyanates] Sawlewicz J, et al. *Acta Pol Pharm* 35(4):413-6, 1978 (Eng. Abstr.) (Pol)

#### CHEMICAL SYNTHESIS

- [Synthesis of imidazoline-2-thiol derivatives with potential tuberculostatic activity. I. Reactions of imidazoline-thiol with some isocyanates and isothiocyanates] Sawlewicz J, et al. *Acta Pol Pharm* 35(4):403-11, 1978 (Eng. Abstr.) (Pol)  
[Synthesis of imidazoline-2-thiol derivatives with potential tuberculostatic activity. II. Reactions of S-substituted derivatives of imidazoline-thiol with isocyanates and isothiocyanates] Sawlewicz J, et al. *Acta Pol Pharm* 35(4):413-6, 1978 (Eng. Abstr.) (Pol)

#### PHARMACODYNAMICS

- L-triiodothyronine and L-reverse-triiodothyronine generation in the human polymorphonuclear leukocyte. Woerber KA. *J Clin Invest* 62(3):577-84, Sep 78  
Further studies of the action of antithyroid drugs on *Mycobacterium leprae*. Levy L, et al.  
*Proc Soc Exp Biol Med* 158(4):582-5, Sep 78  
[3H]GABA transport into discrete subcellular fractions of the developing rat cortex: effect of methimazole. Hitzemann RJ. *Proc West Pharmacol Soc* 21:1-4, 1978

#### THERAPEUTIC USE

- Encephalomyelitis with thyrotoxicosis. Bassi S, et al. *J Neurol* 218(4):293-5, 25 Aug 78  
[Assessment of the effect of obsidan on the contractile function of the heart in toxic goiter] Mikhailov Ium, et al. *Probl Endokrinol (Mosk)* 24(5):29-36, Sep-Oct 78 (Eng. Abstr.) (Rus)  
[Contractile function of the myocardium during treatment of arteriosclerotic cardiosclerosis with methimazole] Neiko EM, et al. *Vrach Delo* (6):22-6, Jun 78 (Eng. Abstr.) (Rus)

### METHYLTHIOURACIL

#### ADMINISTRATION & DOSAGE

- [Possibilities of preventing cardiotoxic complications in chemotherapy with carminomycin] Labkovskii BM, et al. *Antibiotiki* 23(9):851-4, Sep 78 (Eng. Abstr.) (Rus)

#### PHARMACODYNAMICS

- Experimental studies concerning the mechanism of the thyroid-pineal interrelationship. I. The action of the pineal peptides on the thyroid gland. Constantinescu A, et al. *Endocrinologie* 16(3):191-7, Jul-Sep 78  
Experimental studies concerning the mechanism of the thyroid-pineal interrelationship. II. Action of the pineal peptides on the pituitary TSH reserve and hypothalamic content of TRH in MTU-treated rats. Negoescu I, et al. *Endocrinologie* 16(3):199-204, Jul-Sep 78  
[Interaction between the hypothalamo-hypophyseal system and the thyroid gland during different age periods] Frol'kis VV, et al. *Biull Eksp Biol Med* 86(8):133-7, Aug 78 (Eng. Abstr.) (Rus)

#### THERAPEUTIC USE

- [Possibilities of preventing cardiotoxic complications in chemotherapy with carminomycin] Labkovskii BM, et al. *Antibiotiki* 23(9):851-4, Sep 78 (Eng. Abstr.) (Rus)

### PROPYLTHIOURACIL

- Importance of thyroid iodine and cyclic AMP, and TSH concentrations on goitre formation in rats. Berthier C, et al. *Acta Endocrinol (Copenh)* 89(3):567-79, Nov 78  
The effect of altered thyroid state on prolactin binding to liver and 7,12-dimethylbenz(a)anthracene-induced mammary tumors in rats. Smith RD, et al.  
*Proc Soc Exp Biol Med* 158(4):517-20, Sep 78

#### ADMINISTRATION & DOSAGE

- Use of I-123 in early radioiodide uptake and its suppression in children and adolescents with hyperthyroidism. Lee WN, et al. *J Nucl Med* 19(9):985-93, Sep 78

#### ADVERSE EFFECTS

- Enzyme changes in neonatal skeletal muscle: effect of thyroid deficiency. Baldwin KM, et al. *Am J Physiol* 235(3):C97-102, Sep 78

#### PHARMACODYNAMICS

- Sequential deiodination of thyroxine in rat liver homogenate. Visser TJ, et al. *Biochem J* 174(1):221-9, 15 Jul 78  
Morphological changes on the free surface of thyroid cells at the hormone secretion by scanning electron microscopy. Kawada J, et al. *Endocrinol Jpn* 25(3):217-33, Jun 78  
L-triiodothyronine and L-reverse-triiodothyronine generation in the human polymorphonuclear leukocyte. Woerber KA. *J Clin Invest* 62(3):577-84, Sep 78  
Biochemical changes in developmentally retarded *Xenopus laevis* larvae. I. The lens crystallin transition. Doyle MJ, et al. *J Embryol Exp Morphol* 46:215-25, Aug 78  
Hypercalcitoninism and C-cell hyperplasia in rats with goiters produced by a low iodine diet or propylthiouracil. Peng TC, et al. *J Pharmacol Exp Ther* 206(3):710-17, Sep 78  
Further studies of the action of antithyroid drugs on *Mycobacterium leprae*. Levy L, et al.  
*Proc Soc Exp Biol Med* 158(4):582-5, Sep 78

#### THERAPEUTIC USE

- Maternal propylthiouracil to manage fetal hyperthyroidism [letter] Serup J. *Lancet* 2(8095):896, 21 Oct 78  
Prevention and management of hyperthyroid storm. Dobyns BM. *World J Surg* 2(3):293-306, May 78



## THIOURACIL

Thiouracil-induced myocardial fibrosis. Lunkenheimer PP, et al. *Path Res Pract* 163(1):47-56, Sep 78

### PHARMACODYNAMICS

[Radioimmunometric determinations of thyroid hormones in the clinical management of hyperthyroidism (author's transl)] Dutrem MT, et al. *Rev Invest Clin* 30(3):231-40, Jul-Sep 78 (Eng. Abstr.) (Spa)

### THERAPEUTIC USE

The influence of diazepam and thiouracil upon the carcinogenic effect of diethylnitrosamine in gerbils. Green U, et al. *Z Krebsforsch* 92(1):55-62, 24 Aug 78

## THYROID ANTAGONISTS

Tumours of the thyroid gland. Napalkov NP. *IARC Sci Publ* (6):239-71, 1976 (86 ref.)

### ADMINISTRATION & DOSAGE

[Serum levels of T3 and T4 in hyperthyroidism during the administration of antithyroid drugs (author's transl)] Gómez Vargas E, et al. *Rev Invest Clin* 30(3):265-71, Jul-Sep 78 (Eng. Abstr.) (Spa)

### ADVERSE EFFECTS

Effects of substitution with thyroxine on the thyrotrophin (TSH) response to thyrotrophin-releasing hormone (TRH) in severe primary myxoedema and in mild hypothyroidism following prolonged thyrostatic therapy. Fischer HR, et al. *Acta Endocrinol* (Copenh) 89(2):303-15, Oct 78

Drug-induced neutropenia in the Stockholm region 1973-75: frequency and causes. Arneborn P, et al. *Acta Med Scand* 204(4):283-6, 1978

Epidemiology of endemic goitre in western Colombia. Gaitan E, et al. *Bull WHO* 56(3):403-16, 1978

Fetal and neonatal hypothyroidism due to antithyroid-drug therapy [letter] Serup J. *Lancet* 2(8094):845, 14 Oct 78

### ANALYSIS

Detection of goitrin and its heptafluorobutyl derivative by gas-liquid chromatography with electron capture, electrolytic conductivity and sulfur detectors. McLeod HA, et al. *J Chromatogr* 157:285-90, 21 Sep 78

### METABOLISM

Influence of food on the bioavailability of drugs. Melander A. *Clin Pharmacokinet* 3(5):337-51, Sep-Oct 78 (77 ref.)

### PHARMACODYNAMICS

Further studies of the action of antithyroid drugs on *Mycobacterium leprae*. Levy L, et al. *Proc Soc Exp Biol Med* 158(4):582-5, Sep 78

# THYROID

## V. Related Topics

### EXOPHTHALMOS

Sudden visual loss secondary to an orbital varix. Rosenblum P, et al. *Surv Ophthalmol* 23(1):49-56, Jul-Aug 78

#### DIAGNOSIS

[Diagnosis in diseases of the eye and orbit. Indications and value of ultrasonic diagnosis and radio computer tomography] Buschmann W. *Fortschr Med* 96(36):1785-91, 28 Sep 78 (Eng. Abstr.) (Ger)

[Diagnostic ultrasonography and X-ray computer tomography in space-occupying orbital lesions—a joint effort (author's transl)] Buschmann W, et al. *Klin Monatsbl Augenheilkd* 173(2):155-70, Aug 78 (Eng. Abstr.) (Ger)

#### DRUG THERAPY

[Clinical use of synthetic thyroliberin (thyrotropin-releasing factor)] Starkova NT, et al. *Probl Endokrinol (Mosk)* 24(5):103-10, Sep-Oct 78 (Rus)

#### ETIOLOGY

Ultrasonography and computer tomography in orbital diagnosis. With special reference to dysthyroid ophthalmopathy. Fiedelius HC, et al. *Acta Ophthalmol (Copenh)* 56(5):751-62, Oct 78

Neuro-ophthalmological complications of enlargement of the third ventricle. Osher RH, et al. *Br J Ophthalmol* 62(8):536-42, Aug 78

Orbital blood cyst. Sevel D, et al. *Br J Ophthalmol* 62(8):571-4, Aug 78

Atypical manifestations in childhood leukemia. Rajarajeswari G, et al. *Indian Pediatr* 15(5):385-91, May 78

[Actual treatment of rhabdomyosarcoma of the orbit in children (author's transl)] Flamant F, et al. *J Fr Ophthalmol* 1(6-7):451-6, Jun-Jul 78 (Eng. Abstr.) (Fre)

[Spontaneous intraorbital hematoma] Husag L, et al. *Schweiz Arch Neurol Neurochir Psychiatr* 122(2):187-203, 1978 (Eng. Abstr.) (Ger)

[Ossifying fibroma of the nose and paranasal sinuses] Laciak J, et al. *Otolaryngol Pol* 32(3):347-50, 1978 (Pol)

#### VETERINARY

Distribution of neoplasms and other diseases in marine fishes relative to the discharge of waste water. Mearns AJ, et al. *Ann NY Acad Sci* 298:210-24, 29 Sep 78 (37 ref.)

### IODIDES

[A new method for determination of cadmium in plasma (author's transl)] Raptis S, et al. *Clin Chim Acta* 88(2):393-402, 1 Sep 78 (Eng. Abstr.) (Ger)

#### ADVERSE EFFECTS

Iatrogenic congenital goiter and hypothyroidism with respiratory distress in a newborn. Melvin GR, et al. *SD J Med* 31(10):15-9, Oct 78

#### ANALYSIS

[Potentiometric determination of hepatitis B surface antigen in biological fluids (author's transl)] Boitieux JL, et al. *Clin Chim Acta* 88(2):329-36, 1 Sep 78 (Eng. Abstr.) (Fre)

[A potentiometric determination of iodide in milk by use of the iron—selective electrode (author's transl)] Sucman E, et al. *Z Lebensm Unters Forsch* 167(1):5-6, 18 Aug 78 (Eng. Abstr.) (Ger)

#### CEREBROSPINAL FLUID

Iodide and thiocyanate efflux from brain following injection

into rat caudate nucleus. Cserr HF, et al. *Am J Physiol* 235(4):F331-7, Oct 78

### METABOLISM

The effect of lithium on the iodide concentrating mechanism in mouse salivary gland. Lazarus JH, et al. *Acta Pharmacol Toxicol (Copenh)* 43(1):55-8, Jul 78

Rationale for adding trace elements to total parenteral nutrient solutions—a brief review. Odne MA, et al. *Am J Hosp Pharm* 35(9):1057-9, Sep 78 (20 ref.)

Iodide and thiocyanate efflux from brain following injection into rat caudate nucleus. Cserr HF, et al. *Am J Physiol* 235(4):F331-7, Oct 78

Characterization and quantification of the peroxidase in human monocytes. Bos A, et al. *Biochim Biophys Acta* 525(1):37-44, 7 Jul 78

[Iodide organification defect as the cause of congenital hypothyroidism in a 24-year-old man] Emmertsen K. *Ugeskr Laeger* 140(38):2304-6, 18 Sep 78 (Eng. Abstr.) (Dan)

[Oxidation of iodides in the thyroid gland] Jaroszewicz L. *Postepy Hig Med Dosw* 32(2):227-44, Mar-Apr 78 (Eng. Abstr.) (Pol)

### PHARMACODYNAMICS

Action of KI and several iodocompounds on [3H]uridine incorporation into thyroid RNA. Kleiman de Pisarev DL, et al. *Acta Endocrinol (Copenh)* 89(2):316-22, Oct 78

Virulence of *Mycobacterium tuberculosis* and susceptibility to peroxidative killing systems. Jackett PS, et al. *J Gen Microbiol* 107(2):273-8, Aug 78

### PHYSIOLOGY

Rationale for adding trace elements to total parenteral nutrient solutions—a brief review. Odne MA, et al. *Am J Hosp Pharm* 35(9):1057-9, Sep 78 (20 ref.)

### THERAPEUTIC USE

Role of lithium in radioiodide therapy. pp. 113-9. Burrow GN, et al.

In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.

### IODINE

#### ADMINISTRATION & DOSAGE

Importance of thyroid iodine and cyclic AMP, and TSH concentrations on goitre formation in rats. Berthier C, et al. *Acta Endocrinol (Copenh)* 89(3):567-79, Nov 78

[Transient hypothyroidism in 8 low birth weight newborns. Role of topical application of iodine chemicals] Malpuech G, et al. *Arch Fr Pediatr* 35(6):620-30, Jun-Jul 78 (Eng. Abstr.) (Fre)

[Is sclerosing using salicylate or iodine forbidden in France?] Marmasse J. *Phlebologie* 31(2):87-8, Apr-Jun 78 (Fre)

[My experience with iodine] Saglio H. *Phlebologie* 31(2):63-6, Apr-Jun 78 (Eng. Abstr.) (Fre)

#### ADVERSE EFFECTS

Iodine and acetone-containing plastic spray dressings [letter] Morgan-Hughes J, et al. *Br Med J* 2(6137):639, 26 Aug 78

[Iododerma tuberosum (case-report) (author's transl)] Ježová J. *Cesk Dermatol* 53(4):240-4, Aug 78 (Eng. Abstr.) (Cze)

[Transient hypothyroidism in 8 low birth weight newborns. Role of topical application of iodine chemicals] Malpuech G, et al. *Arch Fr Pediatr* 35(6):620-30, Jun-Jul 78 (Eng. Abstr.) (Fre)

[Risk to patients with latent or manifest hyperthyroidism through iodine-containing contrast media and drugs (author's transl)] Herrmann J, et al. *Dtsch Med Wochenschr* 103(37):1434, 1437-43, 15 Sep 78 (Eng. Abstr.) (Ger)

[Iodine-induced hyperthyroidism (letter)] Kutter D, et al.



- Dtsch Med Wochenschr 103(43):1716, 27 Oct 78 (Ger)  
 [Iodine-induced hyperthyroidism (letter)] Viefhues, et al.  
 Dtsch Med Wochenschr 103(42):1677, 20 Oct 78 (Ger)

## ANALYSIS

- Semi-automated determination of hormonal iodine without incineration. Cabello G, et al. *Ann Rech Vet* 9(1):89-98, 1978  
 Epinephrine enhanced knee arthrography. Spataro RF, et al. *Invest Radiol* 13(4):286-90, Jul-Aug 78  
 Milk iodine as influenced by an iodophor teat dip. Conrad LM 3d, et al. *J Dairy Sci* 61(6):776-80, Jun 78

## BLOOD

- Semi-automated determination of hormonal iodine without incineration. Cabello G, et al. *Ann Rech Vet* 9(1):89-98, 1978  
 Field studies in Southern Tunisia on water turnover and thyroid activity in two species of Meriones. pp. 81-4. Lachiver F, et al.  
 In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 Endocrine responses to chronic high altitude exposure. pp. 290-1. Nelson ML.  
 In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 Milk iodine as influenced by an iodophor teat dip. Conrad LM 3d, et al. *J Dairy Sci* 61(6):776-80, Jun 78  
 [Congenital hypothyroidism with thyroglobulin deficiency and substitutional albumin iodination] Snarski A, et al. *Endokrynol Pol* 29(4):313-20, Jul-Aug 78 (Eng. Abstr.) (Pol)  
 [Protein bound iodine indices in patients with mastopathy] Sidorenko LN, et al. *Vopr Onkol* 24(8):31-6, 1978 (Eng. Abstr.) (Rus)

## DEFICIENCY

- Hypercalcitoninism and C-cell hyperplasia in rats with goiters produced by a low iodine diet or propylthiouracil. Peng TC, et al. *J Pharmacol Exp Ther* 206(3):710-17, Sep 78  
 Food fortification in South Africa. Report of a Medical Research Council project group. *S Afr Med J* 53(19):744-50, 13 May 78

## METABOLISM

- Importance of thyroid iodine and cyclic AMP, and TSH concentrations on goitre formation in rats. Berthier C, et al. *Acta Endocrinol (Copenh)* 89(3):567-79, Nov 78  
 Biochemical studies on the iodine organification defect of Pendred's syndrome. Niepomniesz H, et al. *Acta Endocrinol (Copenh)* 89(1):70-9, Sep 78  
 Retarded biosynthesis of thyroglobulin subunits and their polymerization in vitro after suppression of TSH secretion in rats by chronic administration of excess thyroxine in the form of iodinated casein. Sinadinović J, et al. *Acta Endocrinol (Copenh)* 89(1):108-21, Sep 78  
 Mechanisms for the biodehalogenation of iodocompounds. Sinheimer JE, et al. *Biochem Biophys Res Commun* 83(1):281-6, 14 Jul 78  
 Binding of iodo-mercurates to sulfhydryl-blocked beta-lactoglobulin-A, -B, and -C. Stone WL, et al. *Bioinorg Chem* 8(6):517-29, Jun 78  
 Iotroxamide studies in man--plasma binding, renal and biliary excretion studies in jaundiced and anicteric patients. Doran J, et al. *Br J Clin Pharmacol* 6(4):311-7, Oct 78  
 The role of protein synthesis in polymorphonuclear leukocyte phagocytosis II. Kasprisin DO, et al. *Exp Hematol* 6(7):585-9, Aug 78  
 Uptake of contrast materials by experimental acute myocardial infarctions: a preliminary report. Higgins CB, et al. *Invest Radiol* 13(4):337-9, Jul-Aug 78  
 Milk iodine as influenced by an iodophor teat dip. Conrad LM 3d, et al. *J Dairy Sci* 61(6):776-80, Jun 78  
 Lack of influence of povidone-iodine on tests of thyroid function. Lividas DP, et al. *J Int Med Res* 6(5):406-8, 1978  
 The changes of in vitro 131I-iodine uptake in the thyroid gland of rats exposed to septal lesions and immobilization stress. Knopp J, et al. *Physiol Bohemoslov* 27(4):329-32, 1978  
 [Dietary proteins and deiodination in the liver] Voss C, et al. *Nahrung* 22(4):415-8, 1978 (Eng. Abstr.) (Ger)  
 [Morphofunctional changes in the thyroid gland of golden hamsters during acclimatization to a temperature of 4 degrees C] Volfenzon LG, et al. *Tsitologiya* 20(6):636-42, Jun 78 (Eng. Abstr.) (Rus)  
 [Hypothalamo-thyroid disorders of predominantly infectious etiology] Piliavskaja LD, et al. *Vrach Delo* (6):136-7, Jun 78 (Rus)

## PHARMACODYNAMICS

- Absorption of sodium benzylpenicillin from the equine uterus after local Lugol's iodine treatment, compared with absorption after intramuscular injection. Allen WE, et al. *Equine Vet J* 10(3):174-5, Jul 78  
 Carcinogenic activation of benzo(a)pyrene by iodine and ferric chloride in the respiratory tract of Syrian golden hamsters. Stenbäck F, et al. *Experientia* 34(8):1065-6, 15 Aug 78  
 Wescodyne: lack of activity against poliovirus in the presence of organic matter. Wallbank AM, et al. *Health Lab Sci* 15(3):133-7, Jul 78  
 Serum thyrotropin, thyroxine, and tri-iodothyronine in dairy cows fed varying amounts of iodine. Convey EM, et al. *J Dairy Sci* 61(6):771-5, Jun 78  
 Salvizol as an intracanal antiseptic for endodontic use. Spangberg L, et al. *Oral Surg* 46(3):427-32, Sep 78  
 The influence of dietary iodine and environmental temperature on the activity of mitochondria in liver and kidney. Chaiyabutr N, et al. *Z Tierphysiol* 40(5):225-35, Aug 78  
 [Effects of various amounts of 3 and 5 per cent Jodonal A solutions on the effectiveness of disinfection in pig-fattening stations] Kubiček K, et al. *Vet Med (Praha)* 23(9):513-20, Sep 78 (Eng. Abstr.) (Cze)  
 [Effect of in vivo thyroid hormones and IGL on protein synthesis in the mitochondria of thyroidectomized animals] Rachev RR, et al. *Biull Eksp Biol Med* 86(8):167-70, Aug 78 (Eng. Abstr.) (Rus)

## THERAPEUTIC USE

- Hypercalcitoninism and C-cell hyperplasia in rats with goiters produced by a low iodine diet or propylthiouracil. Peng TC, et al. *J Pharmacol Exp Ther* 206(3):710-17, Sep 78  
 [The Hodonin iodo-bromine mineral water in the treatment of rheumatoid arthritis] Kovařovičová J, et al. *Fysiatr Reumatol Vestn* 56(5):252-7, Oct 78 (Eng. Abstr.) (Cze)  
 [Is sclerosing using salicylate or iodine forbidden in France?] Marmasse J. *Phlebologie* 31(2):87-8, Apr-Jun 78 (Fre)  
 [My experience with iodine] Saglio H. *Phlebologie* 31(2):63-6, Apr-Jun 78 (Eng. Abstr.) (Fre)  
 [Beta-receptor blockaders in hyperthyreosis] Labhart A, et al. *Internist (Berlin)* 19(9):538-41, Sep 78 (Ger)  
 [Epidemiology of endemic struma during iodine salt prevention] Steiner H, et al. *Wien Med Wochenschr* 128(15):476-9, 15 Aug 78 (Ger)  
 [Consequences of sclerosing of varicose veins using varicocid and vistarín] Mazurik MF, et al. *Khirurgiya (Mosk)* (8):69-73, Aug 78 (Eng. Abstr.) (Rus)

## URINE

- Epidemiology of endemic goitre in western Colombia. Gaitan E, et al. *Bull WHO* 56(3):403-16, 1978  
 Urographic excretion studies: preliminary results with a six-iodine, singly-ionizing sodium salt--P.286. Evill CA, et al. *Invest Radiol* 13(4):325-7, Jul-Aug 78

# IODOPROTEINS

## BIOSYNTHESIS

- Retarded biosynthesis of thyroglobulin subunits and their polymerization in vitro after suppression of TSH secretion in rats by chronic administration of excess thyroxine in the form of iodinated casein. Sinadinović J, et al. *Acta Endocrinol (Copenh)* 89(1):108-21, Sep 78

## CHEMICAL SYNTHESIS

- Preparation and characterization of biologically active iodo- and [3H]secretin. Lin JT, et al. *Anal Biochem* 88(2):587-97, 1 Aug 78

## METABOLISM

- Retarded biosynthesis of thyroglobulin subunits and their polymerization in vitro after suppression of TSH secretion in rats by chronic administration of excess thyroxine in the form of iodinated casein. Sinadinović J, et al. *Acta Endocrinol (Copenh)* 89(1):108-21, Sep 78  
 High enzymatic activity of specifically iodinated bovine phospholipase A2. Slotboom AJ, et al. *FEBS Lett* 92(2):361-4, 15 Aug 78

## IODOPROTEINS

### PHARMACODYNAMICS

Preparation and characterization of biologically active iodo- and [3H]secretin. Lin JT, et al. *Anal Biochem* 88(2):587-97, 1 Aug 78

### LONG-ACTING THYROID STIMULATOR

[Thyroid stimulating antibodies (TSAb)—pathogenetic significance (editorial)] Wägar G. *Duodecim* 94(17):1024-7, 1978 (Fin)

### PROTEIN-BOUND IODINE TEST

Anti-thyroxine and anti-triiodothyronine antibodies in three cases of Hashimoto's thyroiditis. Ikekubo K, et al.

*Acta Endocrinol (Copenh)* 89(3):557-66, Nov 78  
125I-triiodothyronine plasma binding ratio test in assessment of thyroid function. Lin HT, et al. *Chin Med J [Engl]* 4(4):286-90, Jul 78

Effects of anticonvulsant drugs on thyroid hormones in epileptic children. Fichsel H, et al. *Epilepsia* 19(4):323-36, Aug 78

Field studies in Southern Tunisia on water turnover and thyroid activity in two species of Meriones. pp. 81-4. Lachiver F, et al.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.

[Changes in laboratory tests after treatment with a new contraceptive agent] Cervantes LF, et al.

*Ginecol Obstet Mex* 43(258):285-97, Apr 78 (70 ref.) (Eng. Abstr.) (Spa)

### INSTRUMENTATION

[A simple technic of measuring the I-125 - T3 binding to serum proteins in the T3 in-vitro test utilizing the Ostion AD ion exchanger] Safarčík K, et al. *Vnitr Lek* 24(10):1008-14, Oct 78 (Eng. Abstr.) (Cze)

### METHODS

Indirect methods of assessing thyroid function. Protein-bound iodine and thyroxine by column chromatography, a 1976 CAP survey. Thiessen MM, et al. *Am J Clin Patbol* 70(3 Suppl):511-2, Sep 78

[A simple technic of measuring the I-125 - T3 binding to serum proteins in the T3 in-vitro test utilizing the Ostion AD ion exchanger] Safarčík K, et al. *Vnitr Lek* 24(10):1008-14, Oct 78 (Eng. Abstr.) (Cze)

[Study of thyroid function using diverse methods of separation of plasma radioiodine compounds in rats] Rostami P. *Acta Med Iran* 19(4):255-66, 1976 (Eng. Abstr.) (Fre)

[Determination of T3 uptake using T3 antibody—evaluation of Konsul T3 uptake] Nihei N, et al. *Horumon To Rinsho* 26(8):813-6, Aug 78 (Jpn)

### THYROXINE BINDING PROTEIN

Preparation of glycopeptides and oligosaccharides from thyroxine-binding globulin. Zinn AB, et al. *J Biol Chem* 253(19):6761-7, 10 Oct 78

Carbohydrate structures of thyroxine-binding globulin and their effects on hepatocyte membrane binding. Zinn AB, et al. *J Biol Chem* 253(19):6768-73, 10 Oct 78

The effect of hexose monophosphate shunt inhibitors on adenylylation and ceruloplasmin reactions to oestrogen. Schreiber V, et al. *Physiol Bohemoslov* 27(4):301-7, 1978

Dopaminergic control of adenylylation growth after oestrogens: negative results with L-DOPA, RO-4-4602, alpha-methyl-DOPA, apomorphine, haloperidol, pyridoxine and cyproheptadine. Schreiber V, et al. *Physiol Bohemoslov* 27(4):308-12, 1978

[Thyroxine binding prealbumin (TBPA) and the serum proteinogram in subjects over 90 years of age] Morisio Guidetti L. *Boll Soc Ital Biol Sper* 54(9):848-50, 15 May 78 (Ita)

### ANALYSIS

Anti-thyroxine and anti-triiodothyronine antibodies in three cases of Hashimoto's thyroiditis. Ikekubo K, et al.

## THYROID

*Acta Endocrinol (Copenh)* 89(3):557-66, Nov 78

Reverse triiodothyronine, thyroid hormone, and thyrotrophin concentrations in placental cord blood. Byfield PG, et al.

*Arch Dis Child* 53(8):620-4, Aug 78

Thyroid function tests [letter] *Br Med J* 2(6139):771-2, 9 Sep 78

Effects of anticonvulsant drugs on thyroid hormones in epileptic children. Fichsel H, et al. *Epilepsia* 19(4):323-36, Aug 78

[Thyroxine binding prealbumin (TBPA) and the serum proteinogram in subjects over 90 years of age] Morisio Guidetti L. *Boll Soc Ital Biol Sper* 54(9):848-50, 15 May 78 (Ita)

### BLOOD

Triiodothyronine uptake test in which antibody-coated tubes are used compared to two other tests in which precipitation separations are used. Szpunar WE, et al. *Clin Chem* 24(9):1616-7, Sep 78

[Observations on the interaction of thyroxine with its main transporting protein and its relation to the in vitro thyroid function test. II. Clinical pictures with serum protein changes] Cuarón Santisteban A, et al. *Arch Inst Cardiol Mex* 48(4):754-78, Jul-Aug 78 (Eng. Abstr.) (Spa)

### DEFICIENCY

Congenital thyroid disease detected by screening program. Lyon J, et al. *Alaska Med* 20(4):56-9, Jul 78

Thyroxine-binding globulin deficiency: innocent cause of low serum thyroxine (T4) levels. Typlin BL, et al. *Ohio State Med J* 74(9):563-5, Sep 78

### METABOLISM

Carbohydrate structures of thyroxine-binding globulin and their effects on hepatocyte membrane binding. Zinn AB, et al. *J Biol Chem* 253(19):6768-73, 10 Oct 78

Regulation of TSH secretion in rats chronically exposed to heat (34 degrees C). Rousset B, et al. *Pfluegers Arch* 375(2):177-81, 18 Jul 78

[Biosynthesis and peripheral metabolism of thyroid hormones in subacute thyroiditis] Báños C, et al. *Orv Hetil* 119(41):2495-8, 8 Oct 78 (Hun)

[Effect of propranolol on the index of triiodothyronine binding in Graves' disease] Mazanek-Szymańska E. *Pol Tyg Lek* 33(34):1551-2, 21 Aug 78 (Pol)

### PHYSIOLOGY

[Observations on the interaction of thyroxine with its main transporting protein and its relation to the in vitro thyroid function test. II. Clinical pictures with serum protein changes] Cuarón Santisteban A, et al. *Arch Inst Cardiol Mex* 48(4):754-78, Jul-Aug 78 (Eng. Abstr.) (Spa)



# ADRENAL

## I. Physical and Functional Aspects

### ADRENAL CORTEX

#### ANALYSIS

Adrenal luteinizing hormone releasing hormone receptors. Bernardo LA, et al. *J Histochem Cytochem* 26(8):613-7, Aug 78

#### CYTOLOGY

Binding and degradation of human 125I-HDL by rat adrenocortical cells. Gwynne JT, et al. *Metabolism* 27(11):1593-600, Nov 78

Cholesterol arachidonate as a prostaglandin precursor in adrenocortical cells. Vahouny GV, et al. *Prostaglandins* 16(2):207-20, Aug 78

#### DRUG EFFECTS

The effect of oral contraceptive treatment on the serum concentration of dehydroisoandrosterone sulfate. Madden JD, et al. *Am J Obstet Gynecol* 132(4):380-4, 15 Oct 78

Effect of ACTH on cytochrome P450 systems of the adrenal cortex. Brownie AC, et al. *Ann NY Acad Sci* 297:349-60, 28 Oct 77

Studies of the trophic action of ACTH. Ramachandran J, et al. *Ann NY Acad Sci* 297:336-48, 28 Oct 77

Prostaglandins and calcium-membrane interactions in secretory glands. Rubin RP, et al. *Ann NY Acad Sci* 307:377-90, 28 Apr 78 (51 ref.)

Bioassay of ACTH using isolated cortex cells. Applications: structure activity relationship for ACTH and analogues, assay of corticotropin-releasing factor, and assay of plasma ACTH. Sayers G. *Ann NY Acad Sci* 297:220-41, 28 Oct 77

ACTH-induced refractoriness in cultured adrenal cell line (Y1). Morera AM, et al. *Biochem Biophys Res Commun* 83(4):1553-60, 29 Aug 78

Mechanisms of corticotropin action in rat adrenal cells. I. The effects of inhibitors of protein synthesis and of microfilament formation on corticosterone synthesis. Crivello JF, et al. *Biochim Biophys Acta* 542(2):315-29, 17 Aug 78

Changes in the adrenal cortex of the rat after chronic administration of the steroidogenic inhibitor U-8113. Sharawy M, et al. *Cell Tissue Res* 190(1):123-34, 26 Jun 78

Endocrine effects of alcohol. Wright J. *Clin Endocrinol Metab* 7(2):351-67, Jul 78

Mode of action of peptide hormones. Neher R, et al. *Clin Endocrinol (Oxf)* 5 Suppl:29S-39S, 1976

Feedback and facilitation in the adrenocortical system and the endocrine responses to repeated stimuli. pp. 252-9. Dallman MF, et al.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.

Adrenocortical responses to sex hormonal administration in three avian species: the parakeet *Psittacula krameri*, the quail *Coturnix coturnix* & the common Myna *acridotheres tristis*. Manna CK. *Indian J Exp Biol* 16(6):645-7, Jun 78

Maternal and fetal plasma steroid hormone levels in vaginal delivery with and without ACTH infusion. Miyakawa I, et al. *Int J Gynaecol Obstet* 15(6):539-44, 1978

Application of the Sousa (John Phillip) principles to medical research: the role of cyclic nucleotides in hormone and drug action. Bransome ED Jr. *Trans Am Clin Climatol Assoc* 89:172-83, 1977 (47 ref.)

[Role played by the adrenal cortex on the luteotropic action of estrogens during the rat estrus cycle] Hassani M.

C R Soc Biol (Paris) 172(1):167-71, 1978 (Eng. Abstr.)

(Fre)  
[Plasma cortisol response to trimethaphan (Arfonad) induced hypotension anesthesia (author's transl)] Takiguchi M, et al. *Masui* 27(8):829-34, Aug 78 (Eng. Abstr.)

(Jpn)  
[Systemic effects of externally applied steroid preparations] Shimao S, et al. *Nippon Rinsho Suppl*:2398-9, May 78

(Jpn)  
[Effect of aldactone on the mineralocorticoid function of the adrenal cortex and the sodium and potassium content in the blood of middle-aged and elderly persons] Svecnikova NV, et al. *Vrach Delo* (8):49-52, 1978 (Eng. Abstr.) (Rus)

#### ENZYMOLGY

Immunochemical specificity of a benzidine technique proposed to catalases histochemical detection. Silveira SR, et al. *Acta Histochem (Jena)* 61(2):223-8, 1978

The use of high-pressure liquid chromatography in the simultaneous assay of 11beta-hydroxylase and 18-hydroxylase in zona fasciculata-reticularis tissue of the rat adrenal cortex. Gallant S, et al. *Anal Biochem* 89(1):196-202, 15 Aug 78

Properties of an adrenal cytochrome P-450 (P-45011beta) for the hydroxylations of corticosteroids. Sato H, et al. *Arch Biochem Biophys* 190(1):307-14, Sep 78

Purification and immunochemical characterization of the two adrenal cortex mitochondrial cytochrome P-450-proteins. Suhara K, et al. *Arch Biochem Biophys* 190(1):290-9, Sep 78

Properties of an adrenal cytochrome P-450 (P-450SCC) for the side chain cleavage of cholesterol. Takikawa O, et al. *Arch Biochem Biophys* 190(1):300-6, Sep 78

The intracellular localization of adrenal 3beta-hydroxysteroid dehydrogenase/delta5-isomerase by density gradient perturbation. Headon DR, et al.

*Biochem Biophys Res Commun* 82(3):1006-12, 14 Jun 78

Role of thiol group(s) in the enzymatic activity of the membrane-bound delta5-3beta-hydroxysteroid dehydrogenase from bovine adrenal cortex microsomes. Vincent M, et al. *Biochim Biophys Acta* 525(1):1-8, 7 Jul 78

Soluble bovine adrenal cortex guanylate cyclase: effect of sodium nitroprusside, nitrosamines, and hydrophobic ligands on activity, substrate specificity and cation requirement. Struck CJ, et al. *Naunyn Schmiedeberg's Arch Pharmacol* 304(1):51-61, 24 Aug 78

#### GROWTH & DEVELOPMENT

Studies of the trophic action of ACTH. Ramachandran J, et al. *Ann NY Acad Sci* 297:336-48, 28 Oct 77

#### IMMUNOLOGY

[Hormonal control of immune reactivity] Dimitrov V, et al. *Vutr Boles* 17(4):8-15, 1978 (78 ref.)

(Bul)

#### METABOLISM

Localization of vitamin A-storing cells in the mouse adrenal gland: an electron microscopic autoradiographic study. Hirokawa K, et al. *Am J Anat* 153(2) Oct 78

Investigations on the turnover of adrenocortical mitochondria. X. A correlated biochemical stereological study of the effects of chronic treatment with chloramphenicol on the mitochondria of the rat zona fasciculata. Mazzocchi G, et al. *Am J Anat* 153(1):67-79, Sep 78

Effect of ACTH on cytochrome P450 systems of the adrenal cortex. Brownie AC, et al. *Ann NY Acad Sci* 297:349-60,

- 28 Oct 77  
 ACTH action on adrenal steroidogenesis. Koritz SB, et al.  
*Ann NY Acad Sci* 297:329-35, 28 Oct 77  
 Prostaglandins and calcium-membrane interactions in  
 secretory glands. Rubin RP, et al. *Ann NY Acad Sci*  
 307:377-90, 28 Apr 78 (51 ref.)  
 Effects of adrenal steroid activator protein on the conversion  
 of various 20- and 22-hydroxycholesterols to pregnenolone  
 by adrenal mitochondrial enzymes. Teicher BA, et al.  
*Biochem Biophys Res Commun* 83(4):1436-41, 29 Aug 78  
 The recently proposed 20,22-epoxycholesterol as the  
 intermediate in the conversion of cholesterol to  
 pregnenolone by adrenal cortex mitochondria must be  
 5 $\alpha$ lpha,6 $\alpha$ lpha-epoxycholestan-3 $\beta$ ol. Watabe T, et al.  
*Biochem Biophys Res Commun* 83(4):1396-403, 29 Aug 78  
 Mechanisms of corticotropin action in rat adrenal cells. I. The  
 effects of inhibitors of protein synthesis and of microfilament  
 formation on corticosterone synthesis. Crivello JF, et al.  
*Biochim Biophys Acta* 542(2):315-29, 17 Aug 78  
 Inhibition of steroidogenic response to corticotropin in mouse  
 adrenal tumor cells (Y-1) by the ionophore A23187. Role  
 of protein biosynthesis. Nakamura M, et al.  
*Biochim Biophys Acta* 542(2):330-9, 17 Aug 78  
 Mode of action of peptide hormones. Neher R, et al.  
*Clin Endocrinol (Oxf)* 5 Suppl:29S-39S, 1976  
 Role of renal prostaglandins in circulatory homeostasis.  
 Staszewska-Barczak J. *Contrib Nephrol* 11:179-88, 1978  
 Maternal and fetal plasma steroid hormone levels in vaginal  
 delivery with and without ACTH infusion. Miyakawa I,  
 et al. *Int J Gynaecol Obstet* 15(6):539-44, 1978  
 Binding and degradation of human 125I-HDL by rat  
 adrenocortical cells. Gwynne JT, et al. *Metabolism*  
 27(11):1593-600, Nov 78  
 Cholesterol arachidonate as a prostaglandin precursor in  
 adrenocortical cells. Vahouny GV, et al. *Prostaglandins*  
 16(2):207-20, Aug 78  
 Application of the Sousa (John Phillip) principles to medical  
 research: the role of cyclic nucleotides in hormone and drug  
 action. Bransome ED Jr. *Trans Am Clin Climatol Assoc*  
 89:172-83, 1977 (47 ref.)  
 [Sex chromatin and glucocorticoid hormone metabolism in  
 breast cancer patients] Smiller RR, et al. *Vopr Onkol*  
 24(8):91-3, 1978 (Eng. Abstr.) (Rus)

## PATHOLOGY

- Surgical management of Cushing's syndrome. Delaney JP, et  
 al. *Surgery* 84(4):465-70, Oct 78

## PHYSIOLOGY

- Adrenal involvement in the timing of puberty in female rats:  
 interaction with serum prolactin levels. Gelato MC, et al.  
*Acta Endocrinol (Copenh)* 89(3):590-8, Nov 78  
 Vasopressin and corticotropin-releasing factor: an axonal  
 pathway to portal capillaries in the zona externa of the  
 median eminence containing vasopressin and its interaction  
 with adrenal corticoids. Zimmerman EA, et al.  
*Ann NY Acad Sci* 297:405-19, 28 Oct 77  
 Endocrine effects of alcohol. Wright J.  
*Clin Endocrinol Metab* 7(2):351-67, Jul 78  
 Sex differences in adrenocortical structure and function. IV.  
 Effects of postpubertal gonadectomy and sex hormones on  
 adrenal steroid 5 $\alpha$ lpha-reductase activity in the rat.  
 Malendowicz LK, et al. *Endokrinologie* 72(1):36-42, Apr  
 78  
 Neuroendocrine response patterns in dominant and  
 subordinate mice. Ely DL, et al. *Horm Behav* 10(2):156-69,  
 Apr 78  
 Feedback and facilitation in the adrenocortical system and  
 the endocrine responses to repeated stimuli. pp. 252-9.  
 Dallman MF, et al.  
 In: Assenmacher I, Farner DS, ed. *Environmental*  
*endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 Responses of the diurnal locomotor and adrenocortical  
 rhythms in rats exposed to a weekly 8-hour phase-shift of  
 the Zeitgeber. pp. 200-1. Szafarczyk A, et al.  
 In: Assenmacher I, Farner DS, ed. *Environmental*  
*endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 Endocrine responses to elevated ambient pressure. pp.  
 276-82. Weihl AC.  
 In: Assenmacher I, Farner DS, ed. *Environmental*  
*endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 Schedule-induced polydipsia in rats: adrenocortical and  
 hippocampal modulation. Devenport LD.  
*J Comp Physiol Psychol* 92(4):651-60, Aug 78  
 [Effects in man of a total adrenal cortical extract on delayed  
 immunity and lymphocyte sub-populations] Dry J, et al.  
*C R Acad Sci [D] (Paris)* 286(21):1543-5, 29 May 78 (Eng.  
 Abstr.) (Fre)

- [Role played by the adrenal cortex on the luteotrophic action  
 of estrogens during the rat estrus cycle] Hassani M.  
*C R Soc Biol (Paris)* 172(1):167-71, 1978 (Eng. Abstr.)  
 (Fre)  
 [Regulation of the renin-angiotensin-aldosterone system. Role  
 of the prostaglandins] Frisina N, et al. *Minerva Med*  
 69(42):2855-60, 15 Sep 78 (Eng. Abstr.)  
 (Ita)  
 [Interrelationship between the biological rhythm of the ovaries  
 and adrenocortical function] Svehnikova NV, et al.  
*Pediatr Akush Ginekol* (4):50-1, Jul-Aug 78 (Ukr)

## PHYSIOPATHOLOGY

- Changes in rat hypothalamic content of  
 corticotrophin-releasing factor (CRF) activity, plasma  
 ACTH and corticosterone under stress and the effect of  
 cycloheximide. Fujieda K, et al.  
*Acta Endocrinol (Copenh)* 89(1):10-9, Sep 78  
 Feedback and facilitation in the adrenocortical system and  
 the endocrine responses to repeated stimuli. pp. 252-9.  
 Dallman MF, et al.  
 In: Assenmacher I, Farner DS, ed. *Environmental*  
*endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 Endocrine responses to malnutrition in animals with special  
 reference to metabolic hormones. pp. 313-20. Leatham J.  
 In: Assenmacher I, Farner DS, ed. *Environmental*  
*endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 Dexamethasone test in alcoholics [letter] Oxenkrug GF.  
*Lancet* 2(8093):795, 7 Oct 78  
 The adrenal cortex. Milne FJ. *S Afr Med J* 53(24):969-74,  
 14 Jun 78  
 [Estimation of androgenic functions of the adrenal cortex and  
 gonads in selected forms of genital abnormalities in children  
 and adolescents] Pawlaczyk B. *Endokrynol Pol* 29(4):347-52,  
 Jul-Aug 78 (Pol)  
 [Radiocompetitive assay of cortisol and plasma protein binding  
 capacity of cortisol in the course of surgical treatment of  
 hyperactive struma] Puchalski Z.  
*Rocz Akad Med Białymstoku* 22:108-40, 1977 (Eng. Abstr.)  
 (Pol)  
 [Adrenal cortex function in patients with Far East  
 scarlatina-like fever (pseudotuberculosis)] Malyi VP, et al.  
*Klin Med (Mosk)* 56(8):100-1, Aug 78 (Rus)  
 [Changes in the functional state and ultrastructure of the cells  
 of the zona glomerulosa of the rat adrenal cortex under  
 prolonged immobilization stress] Gordienko VM, et al.  
*Probl Endokrinol (Mosk)* 24(5):91-6, Sep-Oct 78 (Eng.  
 Abstr.) (Rus)  
 [Mineralocorticoid function of the adrenal cortex and the  
 renin-angiotensin system in Itsenko-Cushing's disease]  
 Slavnov VN, et al. *Probl Endokrinol (Mosk)* 24(5):39-44,  
 Sep-Oct 78 (Eng. Abstr.) (Rus)  
 [Functional state of the sympathetic-adrenal system in patients  
 with infectious-allergic myocarditis and idiopathic  
 myocardial lesions under the effect of treatment with cardiac  
 glycosides and beta-blockers] Kiseleva ZM, et al.  
*Ter Arkh* 50(8):38-43, 1978 (Eng. Abstr.) (Rus)  
 [Glucocorticoid activity of the adrenal cortex in sexual  
 disorders in men] Imshinetskaia LP. *Vrach Delo* (8):46-9,  
 1978 (Eng. Abstr.) (Rus)  
 [Functional state of the adrenal cortex and the  
 reticuloendothelial system in pulmonary tuberculosis] Pekur  
 SV, et al. *Vrach Delo* (6):61-3, Jun 78 (Rus)

## SECRETION

- The effect of oral contraceptive treatment on the serum  
 concentration of dehydroisoandrosterone sulfate. Madden  
 JD, et al. *Am J Obstet Gynecol* 132(4):380-4, 15 Oct 78  
 Prostaglandins and calcium-membrane interactions in  
 secretory glands. Rubin RP, et al. *Ann NY Acad Sci*  
 307:377-90, 28 Apr 78 (51 ref.)

## ULTRASTRUCTURE

- Localization of vitamin A-storing cells in the mouse adrenal  
 gland: an electron microscopic autoradiographic study.  
 Hirokawa K, et al. *Am J Anat* 153(2) Oct 78  
 Investigations on the turnover of adrenocortical mitochondria.  
 X. A correlated biochemical stereological study of the  
 effects of chronic treatment with chloramphenicol on the  
 mitochondria of the rat zona fasciculata. Mazzocchi G, et  
 al. *Am J Anat* 153(1):67-79, Sep 78  
 Changes in the adrenal cortex of the rat after chronic  
 administration of the steroidogenic inhibitor U-8113.  
 Sharawy M, et al. *Cell Tissue Res* 190(1):123-34, 26 Jun  
 78  
 The ultrastructure of functional mouse adrenal cortical tumor  
 cells in vitro. Mattson P, et al. *Differentiation* 11(2):75-88,



1978

- Studies on the physical dependence potential of analgesics. Murano T, et al. *Jpn J Pharmacol* 28(3):403-12, Jun 78
- Soluble bovine adrenal cortex guanylate cyclase: effect of sodium nitroprusside, nitrosamines, and hydrophobic ligands on activity, substrate specificity and cation requirement. Struck CJ, et al. *Naunyn Schmiedeberg Arch Pharmacol* 304(1):51-61, 24 Aug 78
- [Changes in the functional state and ultrastructure of the cells of the zona glomerulosa of the rat adrenal cortex under prolonged immobilization stress] Gordienko VM, et al. *Prohl Endokrinol (Mosk)* 24(5):91-6, Sep-Oct 78 (Eng. Abstr.) (Rus)

## ADRENAL CORTX FUNCTION TESTS

- The role of the adrenal medulla in the psychosomatic activity and reactivity to stresses. Mandache FL, et al. *Endocrinologie* 16(3):171-8, Jul-Sep 78
- [Biochemical basis for the study of steroid hormones (proceedings)] Degrelle H. *Ann Biol Clin (Paris)* 36(3):168-71, 1978 (Fre)
- [Methods of functional studies of the adrenal cortex in the clinical aspects of endocrine diseases] Maksimova MV. *Med Sestra* 37(7):32-5, Jul 78 (Rus)

## ADRENAL GLANDS

- Receptors for luteinizing hormone-releasing hormone. Sternberger LA. *J Histochem Cytochem* 26(7):542-4, Jul 78

## ANALYSIS

- Identification of a high molecular weight nervous system specific cell surface glycoprotein on murine neuroblastoma cells. Akeson R, et al. *Exp Cell Res* 115(2):367-77, Sep 78
- On the specificity of alcoholic acidic silver nitrate reagent for the histochemical localization of ascorbic acid. A reappraisal. Chinoy NJ, et al. *Histochemistry* 56(3-4):275-82, 12 Jul 78
- Adrenal luteinizing hormone releasing hormone receptors. Bernardo LA, et al. *J Histochem Cytochem* 26(8):613-7, Aug 78
- Adrenal activity in isolated mice and mice of different social status. Benton D, et al. *Physiol Behav* 20(4):459-64, Apr 78
- [Adrenal, cardiac and skeletal muscle catecholamines in liver innervation disorders] Aksenova VM. *Patol Fiziol Eksp Ter* (4):67-9, Jul-Aug 78 (Eng. Abstr.) (Rus)

## ANATOMY &amp; HISTOLOGY

- Angiotensin stimulates cortisol biosynthesis in human adrenal cells in vitro. McKenna TJ, et al. *Steroids* 32(1):127-36, Jul-Aug 78

## BLOOD SUPPLY

- Cardiac output and its distribution and organ blood flow in the fetal lamb during ritodrine administration. Siimes AS, et al. *Am J Obstet Gynecol* 132(1):42-8, 1 Sep 78
- Renal-adrenal inter-relationships. Dempster WJ. *Jpn Heart J* 19(3):426-33, May 78
- [Technic, indications for and complications of adrenal phlebography] Georgi M. *Roentgenpraxis* 31(10):221-8, Oct 78 (Ger)

## CYTOLOGY

- The interaction of cholera toxin subunit A with cultured adrenal cells. Knoop FC. *Can J Microbiol* 24(8):915-21, Aug 78
- Fluorescence histochemistry of peptide hormone-producing cells: observations on the phenanthrenequinone method for the demonstration of arginine residues. Sundler F, et al. *Histochemistry* 56(3-4):221-7, 12 Jul 78
- The effect of sex and strain of rats on the in vitro response of adrenocortical tissue of ACTH stimulation. Vinson GP, et al. *J Steroid Biochem* 9(6):553-60, Jun 78
- Angiotensin stimulates cortisol biosynthesis in human adrenal cells in vitro. McKenna TJ, et al. *Steroids* 32(1):127-36, Jul-Aug 78

## DRUG EFFECTS

- Catecholamines: effects of ACTH and adrenal corticoids. Axelrod J. *Ann NY Acad Sci* 297:275-83, 28 Oct 77
- The neural regulation of compensatory adrenal growth. Dallman MF, et al. *Ann NY Acad Sci* 297:373-92, 28 Oct 77
- The cytochemical bioassay of corticotropin (ACTH). Daly JR, et al. *Ann NY Acad Sci* 297:242-59, 28 Oct 77
- A comparison of the effects of ACTH, vasoactive intestinal peptide, and cholera toxin on adrenal cAMP and steroid synthesis. Kowal J, et al. *Ann NY Acad Sci* 297:314-28, 28 Oct 77
- Possible mechanism of action of propranolol in hypertension. Bhagat BD. *Biochem Pharmacol* 27(12):1689-700, 1978
- Differential impairment of thermogenesis in the pigeon after chemical sympathectomy. Hohtola E, et al. *Can J Physiol Pharmacol* 56(4):578-84, Aug 78
- Possible relationship between the activity of the adrenal gland and the subcommissural organ in the lizard *Lacerta s. sicula* Raf. Effects of ACTH Administration during winter. Varano L, et al. *Cell Tissue Res* 192(1):53-65, 25 Aug 78
- Aromatization and androgen stimulation of sexual behavior in male and female rats. Yahr P, et al. *Horm Behav* 10(2):128-42, Apr 78
- Action of prostaglandin E2 on the release of catecholamines from the canine adrenal gland and its interaction with acetylcholine. Yamashita K, et al. *J Endocrinol* 78(2):249-54, Aug 78
- The cardiovascular effects of the antihypertensive drug debrisoquin: A contribution to the pharmacology of chronic treatment. III. Absence of adrenergic degeneration after 8-week administration to dogs. Saner A, et al. *J Pharmacol Exp Ther* 206(3):545-54, Sep 78
- The apparent lack of stimulation of rabbit adrenal 21-hydroxylase activity by ACTH. Fevold HR, et al. *J Steroid Biochem* 9(6):583-4, Jun 78
- The effect of sex and strain of rats on the in vitro response of adrenocortical tissue of ACTH stimulation. Vinson GP, et al. *J Steroid Biochem* 9(6):553-60, Jun 78
- Treatment of chronic childhood asthma with beclomethasone dipropionate aerosols: II. Effect on pituitary-adrenal function after substitution for oral corticosteroids. Kershner H, et al. *Pediatrics* 62(2):189-97, Aug 78
- The effects of chronic ethanol administration on acyl group composition of mitochondrial phospholipids from guinea pig adrenal. Sun GY, et al.
- Res Commun Chem Pathol Pharmacol* 21(2):355-8, Aug 78
- Angiotensin stimulates cortisol biosynthesis in human adrenal cells in vitro. McKenna TJ, et al. *Steroids* 32(1):127-36, Jul-Aug 78
- [Changes in 3H-noradrenaline activity in the adrenals and serum of rats under the influence of histamine and adrenocorticotrophic hormone] Raionov A, et al. *Eksp Med Morfol* 17(3):126-31, 1978 (Eng. Abstr.) (Bul)
- [Functional state of the sympathetic-adrenal system under the effect of organochlorine insecticides] Kuz'minskaja UA, et al. *Vrach Delo* (6):127-30, Jun 78 (Rus)

## EMBRYOLOGY

- Renal-adrenal inter-relationships. Dempster WJ. *Jpn Heart J* 19(3):426-33, May 78
- Unconjugated estradiol and cortisol in maternal and cord serum and amniotic fluid in normal and abnormal pregnancy. Goldkrand JW. *Obstet Gynecol* 52(3):264-71, Sep 78
- [Prolonged pregnancy] Katsulov A. *Akush Ginekol (Sofia)* 17(4):288-95, 1978 (56 ref.) (Bul)

## ENZYMOLGY

- Possible mechanism of action of propranolol in hypertension. Bhagat BD. *Biochem Pharmacol* 27(12):1689-700, 1978
- Inhibition of methyltransferases by some new analogs of S-adenosylhomocysteine. Fuller RW, et al. *Biochem Pharmacol* 27(15):1981-3, 1978
- IV. Synthesis and assay of analogs of adenosine 3',5'-diphosphate as inhibitors of bovine adrenal estrogen sulfotransferase. Horwitz JP, et al. *Biochim Biophys Acta* 525(2):364-72, 7 Aug 78
- Adrenal origin of plasma catecholamines after decapitation: a study in normal and diabetic rats. Berkowitz BA, et al. *Br J Pharmacol* 64(1):3-5, Sep 78
- Central elevation of phenylethanolamine N-methyltransferase activity following stress. Turner BB, et al. *Brain Res* 153(2):419-22, 22 Sep 78
- Sex differences in adrenocortical structure and function. IV. Effects of postpubertal gonadectomy and sex hormones on adrenal steroid 5 $\alpha$ -reductase activity in the rat. Malendowicz LK, et al. *Endocrinologie* 72(1):36-42, Apr

## ADRENAL GLANDS

## ADRENAL

- 78  
Studies on the optimisation and standardisation of the light microscopical succinate dehydrogenase histochemistry. Kugler P, et al. *Histochemistry* 57(1):47-60, 15 Aug 78  
Neuroendocrine response patterns in dominant and subordinate mice. Ely DL, et al. *Horm Behav* 10(2):156-69, Apr 78  
High altitude hypoxia and adrenal development in the rat: enzymes for biogenic amines. pp. 283-9. Vaccari A, et al.  
In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
The apparent lack of stimulation of rabbit adrenal 21-hydroxylase activity by ACTH. Fevold HR, et al. *J Steroid Biochem* 9(6):583-4, Jun 78  
Inhibition of cholesterol esterases by delta 1-tetrahydrocannabinol. Burstein S, et al. *Life Sci* 23(9):979-81, 4 Sep 78  
[Antialdosterones and enzymes of the adrenal gland] Aupetit B, et al. *Arch Mal Coeur* 71 Spec No:53-9, Jul 78 (Eng. Abstr.) (Fre)

### GROWTH & DEVELOPMENT

- The neural regulation of compensatory adrenal growth. Dallman MF, et al. *Ann NY Acad Sci* 297:373-92, 28 Oct 77

### IMMUNOLOGY

- Regulatory roles of histamine in the immune system. Schleimer R. *Proc West Pharmacol Soc* 21:145-50, 1978 (72 ref.)

### INNERVATION

- The neural regulation of compensatory adrenal growth. Dallman MF, et al. *Ann NY Acad Sci* 297:373-92, 28 Oct 77

### METABOLISM

- Tissue catecholamine and arterial blood pressure changes in non-anaesthetised rats following administration of a new derivative of furanocarboxylic acid with pressor effect. Filczewski M, et al. *Acta Physiol Pol* 29(3):251-8, May-Jun 78  
Localization of vitamin A-storing cells in the mouse adrenal gland: an electron microscopic autoradiographic study. Hirosawa K, et al. *Am J Anat* 153(2) Oct 78  
Catecholamines: effects of ACTH and adrenal corticoids. Axelrod J. *Ann NY Acad Sci* 297:275-83, 28 Oct 77  
A comparison of the effects of ACTH, vasoactive intestinal peptide, and cholera toxin on adrenal cAMP and steroid synthesis Kowal J, et al. *Ann NY Acad Sci* 297:314-28, 28 Oct 77  
ACTH receptors and the effect of ACTH on adrenal organelles. Ontjes DA, et al. *Ann NY Acad Sci* 297:295-313, 28 Oct 77  
Posttraining brain norepinephrine concentrations: correlation with retention performance of avoidance training and with peripheral epinephrine modulation of memory processing. Gold PE, et al. *Behav Biol* 23(4):509-20, Aug 78  
Adrenal origin of plasma catecholamines after decapitation: a study in normal and diabetic rats. Berkowitz BA, et al. *Br J Pharmacol* 64(1):3-5, Sep 78  
The role of the pineal gland in the lipid metabolism. Damian E. *Endocrinologie* 16(3):179-89, Jul-Sep 78  
The hepatic catabolism of cortisol in teleost fish--adrenal origin of 11-oxotestosterone precursors. Kime DE. *Gen Comp Endocrinol* 35(3):322-8, Jul 78  
Evidence of the in vitro formation of cortisol by the adrenal gland of embryonic and young chickens (*Gallus domesticus*). Nakamura T, et al. *Gen Comp Endocrinol* 35(3):302-8, Jul 78  
Use of 3H- and 14C-labeled compounds in the therapy for specific metabolic pathways. pp. 275-81. Spitznagle LA.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
Effects of ascorbic acid deficiency on adrenal mitochondrial hydroxylations in guinea pigs. Björkhem I, et al. *J Lipid Res* 19(6):695-704, Aug 78  
Estrogen-like compounds and progesterone in male and female rats before puberty--II. Effects of administration of ACTH, steroidogenesis inhibitors, dexamethasone and hCG. Audi L, et al. *J Steroid Biochem* 9(7):631-5, Jul 78  
The effect of sex and strain of rats on the in vitro response of adrenocortical tissue of ACTH stimulation. Vinson GP, et al. *J Steroid Biochem* 9(6):553-60, Jun 78

- Corticosteroid production in vitro by adrenal tissue from rats with inherited hypothalamic diabetes insipidus (Brattleboro strain). Vinson GP, et al. *J Steroid Biochem* 9(7):657-65, Jul 78  
Steroid 17-hydroxylation and androgen production by incubated rat adrenal tissue. Vinson GP, et al. *J Steroid Biochem* 9(7):677-83, Jul 78  
The effects of chronic ethanol administration on acyl group composition of mitochondrial phospholipids from guinea pig adrenal. Sun GY, et al. *Res Commun Chem Pathol Pharmacol* 21(2):355-8, Aug 78  
Lecithin consumption increases acetylcholine concentrations in rat brain and adrenal gland. Hirsch MJ, et al. *Science* 202(4364):223-5, 13 Oct 78  
Angiotensin stimulates cortisol biosynthesis in human adrenal cells in vitro. McKenna TJ, et al. *Steroids* 32(1):127-36, Jul-Aug 78  
[Antialdosterones and enzymes of the adrenal gland] Aupetit B, et al. *Arch Mal Coeur* 71 Spec No:53-9, Jul 78 (Eng. Abstr.) (Fre)  
[Functional state of the sympathetic-adrenal system under the effect of organochlorine insecticides] Kuz'minskaia UA, et al. *Vrach Delo* (6):127-30, Jun 78 (Rus)

### PATHOLOGY

- Diffuse cerebral sclerosis, melanoderma and adrenal insufficiency (adreno-leukodystrophy). Hormia M. *Acta Neurol Scand* 58(2):128-33, Aug 78  
CAT scan of the month. Gammill S, et al. *J Tenn Med Assoc* 71(8):608, Aug 78  
[Generalized varicella and herpes] Fakan F. *Cesk Patol* 13(3):95-100, Aug 77 (Eng. Abstr.) (Cze)

### PHYSIOLOGY

- Fructose-6-phosphate substrate cycling and hormonal regulation of gluconeogenesis in vivo. Chenoweth M, et al. *Am J Physiol* 235(3):E295-303, Sep 78  
Effect of graded doses of cortisol on total body calcium in rats. Yasumura S, et al. *Am J Physiol* 231(6):1760-3, Dec 76  
Adrenal-regeneration hypertension in Wistar-Furth rats. Hall CE, et al. *Can J Physiol Pharmacol* 56(4):591-5, Aug 78  
Restoration by adrenalectomy of weight and binding capacity of glucocorticoid receptors of the thymus in AH 130 tumor-bearing rats. Isohashi F, et al. *Cancer Res* 38(11 Pt 2):4243-5, Nov 78  
Possible relationship between the activity of the adrenal gland and the subcommissural organ in the lizard *Lacerta s. sicula* Raf. Effects of ACTH Administration during winter. Varano L, et al. *Cell Tissue Res* 192(1):53-65, 25 Aug 78  
Adrenal status assessed by direct radioimmunoassay of cortisol in whole saliva or parotid saliva. Walker RF, et al. *Clin Chem* 24(9):1460-3, Sep 78  
Adrenal function and ascorbic acid concentrations in elderly women. Dubin B, et al. *Gerontology* 24(6):473-6, 1978  
Seasonal variations in the endocrine system of hibernators. pp. 103-10. Johansson BW.  
In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (45 ref.)  
Time course of sympathoadrenal adaptation to endurance exercise training in man. Winder WW, et al. *J Appl Physiol* 45(3):370-4, Sep 78  
Decrease of rat liver cysteine dioxygenase (cysteine oxidase) activity mediated by glucagon. Hosokawa Y, et al. *J Biochem (Tokyo)* 84(2):419-24, Aug 78  
Unconjugated estriol and cortisol in maternal and cord serum and amniotic fluid in normal and abnormal pregnancy. Goldkrand JW. *Obstet Gynecol* 52(3):264-71, Sep 78  
Adrenal activity in isolated mice and mice of different social status. Benton D, et al. *Physiol Behav* 20(4):459-64, Apr 78  
Regulation of aldosterone secretion by the renin-angiotensin system during sodium restriction in rats. Aguilera G, et al. *Proc Natl Acad Sci USA* 75(8):4057-61, Aug 78  
Effects of ACTH and the adrenals on serum and antral gastrin levels in the rat. Sander LD, et al. *Proc Soc Exp Biol Med* 158(4):609-13, Sep 78  
Histo-physiological studies on the interrenal gland of a catfish, *Clarias batrachus* (Linn.). Qureshi TA, et al. *Z Mikrosk Anat Forsch* 91(3):443-52, 1977  
[Mechanism of induction of tyrosine in rat liver by phenothiazine derivatives and related chemical compounds] Amory C, et al. *C R Acad Sci [D] (Paris)* 287(3):173-6, 17 Jul 78 (Eng. Abstr.) (Fre)  
[Deprivation of 'rapid' sleep by stimulation of the reticular formation of rats] Koval'zon VM, et al. *Fiziol Zh SSSR* 64(8):1082-8, Aug 78 (Eng. Abstr.) (Rus)



## ADRENAL

## ADRENALECTOMY

- [State of the functional activity of the sympathetic-adrenal and enterochromaffin systems in construction workers and assemblers working on heights] Gorodtsova VI, et al. *Gig Tr Prof Zabol* (8):50-2, Aug 78 (Rus)  
[LH and FSH hypophyseal reserve after stimulation with synthetic LHRH. V. Adrenal and thyroideal pathology, lipodystrophy and hemochromatosis] Villar Ortiz J, et al. *Rev Clin Esp* 149(3):223-8, 15 May 78 (Eng. Abstr.)(Spa)

### PHYSIOPATHOLOGY

- Adrenal dehydroepiandrosterone and human mammary cancer. Adams JB, et al. *Cancer Res* 38(11 Pt 2):4036-40, Nov 78  
Androgen and cortisol responses to ACTH stimulation in women with hyperprolactinaemia. Kandeel FR, et al. *Clin Endocrinol (Oxf)* 9(2):123-30, Aug 78  
Endocrine responses to malnutrition in animals with special reference to metabolic hormones. pp. 313-20. Leatham J.

- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
Hormonal response to stress in the squirrel monkey (*Saimiri sciureus*). Coe CL, et al. *Neuroendocrinology* 26(6):367-77, 1978

- Treatment of chronic childhood asthma with beclomethasone dipropionate aerosols: II. Effect on pituitary-adrenal function after substitution for oral corticosteroids. Kershner H, et al. *Pediatrics* 62(2):189-97, Aug 78

- Prevention and management of hyperthyroid storm. Dobyns BM. *World J Surg* 2(3):293-306, May 78

- [Prolonged pregnancy] Katsulov A. *Akush Ginekol (Sofiia)* 17(4):288-95, 1978 (56 ref.) (Bul)

- [State of the sympathetic-adrenal system in workers subjected to prolonged exposure to intensive industrial noise (based on urinary catecholamine excretion data)] Makotchenko VM, et al. *Gig Tr Prof Zabol* (8):31-5, Aug 78 (Eng. Abstr.) (Rus)

- [Indices of the sympathetic-adrenal and hypophyseal-adrenocortical system reactions in myocardial infarct patients during physical rehabilitation] Shverina TA, et al. *Kardiologiia* 18(9):93-100, Sep 78 (Eng. Abstr.) (Rus)

- [Role of the sympathetic-adrenal and kallikrein-kinin systems in regulating central hemodynamics in acute experimental occlusion of the terminal portion of the aorta] Usvatova Ila, et al. *Kardiologiia* 18(8):89-95, Aug 78 (Eng. Abstr.) (Rus)

- [Reactivity of the sympathetic-adrenal system in juvenile thyrotoxicosis] Natarov VV, et al. *Probl Endokrinol (Mosk)* 24(5):25-9, Sep-Oct 78 (Eng. Abstr.) (Rus)

- [Significance of a focal infection in acute and chronic suppurative otitis media] Lopatin BS. *Vestn Otorinolaringol* (5):81-5, Sep-Oct 78 (Rus)

- [Pressor and depressor factors in the pathogenesis of stenocardia in hypertension] Grigor'eva ZE. *Vrach Delo* (8):53-7, 1978 (Eng. Abstr.) (Rus)

- [Sympathetic-adrenal system in chronic cardiovascular insufficiency in hypertension] Grigor'eva ZE. *Vrach Delo* (9):29-32, Sep 78 (Eng. Abstr.) (Rus)

- [Adrenal glucocorticoid and mineralocorticoid functions in postthyrotoxic encephalopathomopathy] Romashkan NV, et al. *Vrach Delo* (9):94-7, Sep 78 (Eng. Abstr.) (Rus)

### RADIOGRAPHY

- Computed body tomography and gray scale ultrasonography: anatomic correlations and pitfalls in the upper abdomen. Sample WF, et al. *Gastrointest Radiol* 3(3):243-9, 31 Aug 78

- CAT scan of the month. Gammill S, et al. *J Tenn Med Assoc* 71(8):608, Aug 78

- The diagnostic significance of the various radiological examinations in adrenal disease. Sasaki T. *Nippon Igaku Hoshasen Gakkai Zasshi* 38(5):416-22, 25 May 78

- [Roentgenological diagnosis of symptomatic hypertension. I. Methods of examination] Tiurin EI. *Vestn Rentgenol Radiol* (4):20-7, Jul-Aug 78 (Eng. Abstr.) (Rus)

### RADIONUCLIDE IMAGING

- Radiation dosimetry of adrenal imaging agents 19-iodocholesterol and 6-iodomethylnorcholesterol. Brookeman VA. *Int J Appl Radiat Isot* 29(4-5):277-9, May 78

- The diagnostic significance of the various radiological examinations in adrenal disease. Sasaki T.

- Nippon Igaku Hoshasen Gakkai Zasshi* 38(5):416-22, 25 May 78

- [Adrenal scintigraphy in the patients with primary aldosteronism: localizing and differential diagnosis by dexamethasone suppression scintigraphy (author's transl)] Fukunaga M, et al. *Kaku Igaku* 15(4):545-51, Jun 78 (Eng. Abstr.) (Jpn)

- [A case of Cushing's syndrome due to adrenal carcinoma (author's transl)] Nakajo M, et al. *Rinsho Hoshasen* 23(9):977-80, Sep 78 (Eng. Abstr.) (Jpn)

### SECRETION

- Inhibition of the pressor and aldosterone-releasing effects of angiotensin II. Bumpus FM, et al. *Clin Sci Mol Med* 48 Suppl 2:15s-18s, Jun 75

- Action of prostaglandin E2 on the release of catecholamines from the canine adrenal gland and its interaction with acetylcholine. Yamashita K, et al. *J Endocrinol* 78(2):249-54, Aug 78

- Drug-induced adrenaline release and blood glucose in rats: DL-1-methyl-2-(beta-naphthyl)-aziridine. Yoshizaki T, et al. *Jpn J Pharmacol* 28(2):205-11, Apr 78

### TRANSPLANTATION

- Successful canine adrenal autotransplantation. Prinz RA, et al. *J Surg Res* 25(3):217-21, Sep 78

### ULTRASTRUCTURE

- Localization of vitamin A-storing cells in the mouse adrenal gland: an electron microscopic autoradiographic study. Hirokawa K, et al. *Am J Anat* 153(2) Oct 78

- ACTH receptors and the effect of ACTH on adrenal organelles. Ontjes DA, et al. *Ann NY Acad Sci* 297:295-313, 28 Oct 77

- Evidence for the zonation of interrenal tissue in the adrenal gland of the duck (*Anas platyrhynchos*). Pearce RB, et al. *Cell Tissue Res* 192(3):363-79, 26 Sep 78

- Possible relationship between the activity of the adrenal gland and the subcommissural organ in the lizard *Lacerta s. sicula* Raf. Effects of ACTH Administration during winter. Varano L, et al. *Cell Tissue Res* 192(1):53-65, 25 Aug 78

- Freeze-fracture identification of sterol-digitonin complexes in cell and liposome membranes. Elias PM, et al. *J Cell Biol* 78(2):577-96, Aug 78

- The effects of chronic ethanol administration on acyl group composition of mitochondrial phospholipids from guinea pig adrenal. Sun GY, et al.

- Res Commun Chem Pathol Pharmacol* 21(2):355-8, Aug 78

## ADRENALECTOMY

- Adrenal involvement in the timing of puberty in female rats: interaction with serum prolactin levels. Gelato MC, et al. *Acta Endocrinol (Copenh)* 89(3):590-8, Nov 78

- Catecholamines: effects of ACTH and adrenal corticoids. Axelrod J. *Ann NY Acad Sci* 297:275-83, 28 Oct 77

- The neural regulation of compensatory adrenal growth. Dallman MF, et al. *Ann NY Acad Sci* 297:373-92, 28 Oct 77

- Plasma ACTH levels in stressed and nonstressed adrenalectomized rats. Ruhmann-Wennhold A, et al. *Ann NY Acad Sci* 297:498-508, 28 Oct 77

- Effect of adrenalectomy on acceleration of gluconeogenesis by calcium ions, adenosine 3':5'-cyclic monophosphate and adrenaline in rat kidney tubules. MacDonald DW, et al. *Biochem J* 174(2):641-6, 15 Aug 78

- Adrenal-regeneration hypertension in Wistar-Furth rats. Hall CE, et al. *Can J Physiol Pharmacol* 56(4):591-5, Aug 78

- Restoration by adrenalectomy of weight and binding capacity of glucocorticoid receptors of the thymus in AH 130 tumor-bearing rats. Isohashi F, et al. *Cancer Res* 38(11 Pt 2):4243-5, Nov 78

- The adrenal cortex and the luteotrophic action of estrogens during the estrous cycle in the rat. Hassani M, et al. *Endokrinologie* 72(1):43-50, Apr 78

- Adrenalectomy for palliation of metastatic breast cancer. Dao TL. *Int J Radiat Oncol Biol Phys* 4(5-6):473-6, May-Jun 78

- New role of endocrine therapy in breast cancer. Kennedy BJ. *Int J Radiat Oncol Biol Phys* 4(5-6):469-72, May-Jun 78

- Biochemical basis for the selection of hormonal manipulation in the patient with breast carcinoma. Wittliff JL, et al. *Int J Radiat Oncol Biol Phys* 4(5-6):463-7, May-Jun 78

- Effects of adrenalectomy on the amino acid and glucose

## ADRENALECTOMY

## ADRENAL

- metabolism of perfused rat hindlimbs. Caldwell MD, et al. *J Biol Chem* 253(19):6837-44, 10 Oct 78
- Schedule-induced polydipsia in rats: adrenocortical and hippocampal modulation. Devenport LD. *J Comp Physiol Psychol* 92(4):651-60, Aug 78
- Successful canine adrenal autotransplantation. Prinz RA, et al. *J Surg Res* 25(3):217-21, Sep 78
- Naloxone effects on a nociceptive response of hypophysectomized and adrenalectomized mice. Grevert P, et al. *Life Sci* 23(7):723-8, 21 Aug 78
- Glucosamine incorporation into rat cerebrum: effect of adrenalectomy, corticosterone, exercise, and training. Irwin LN, et al. *Pharmacol Biochem Behav* 9(1):333-7, Jul 78
- Adrenalectomy: protection from kindled convulsion induced dissociation in rats. McIntyre DC, et al. *Physiol Behav* 20(4):469-74, Apr 78
- Effects of ACTH and the adrenals on serum and antral gastrin levels in the rat. Sander LD, et al. *Proc Soc Exp Biol Med* 158(4):609-13, Sep 78
- [Anesthesia and intensive care problems in adrenocortical surgery] Proye C, et al. *Anesth Analg (Paris)* 35(2):251-62, Mar-Apr 78 (Fre)
- [Mechanism of induction of tyrosine in rat liver by phenothiazine derivatives and related chemical compounds] Amory C, et al. *C R Acad Sci [D] (Paris)* 287(3):173-6, 17 Jul 78 (Eng. Abstr.) (Fre)
- [Anesthesia for a patient without adrenals (author's transl)] Murakami E, et al. *Masui* 27(8):872-6, Aug 78 (Eng. Abstr.) (Jpn)
- [Complications following adrenalectomy] Przybyszowski A, et al. *Pol Przegl Chir* 50(5):363-8, May 78 (Eng. Abstr.) (Pol)
- [Patient management after bilateral total adrenalectomy] Butrova SA, et al. *Probl Endokrinol (Mosk)* 24(5):54-5, Sep-Oct 78 (Rus)

### ADVERSE EFFECTS

- Adrenalectomy for palliation of metastatic breast cancer. Dao TL. *Int J Radiat Oncol Biol Phys* 4(5-6):473-6, May-Jun 78
- [Complications following treatment of ACTH-dependent Cushing's disease] Landau B, et al. *Harefuah* 95(2):77-8, 16 Jul 78 (Eng. Abstr.) (Heb)
- [Complications following adrenalectomy] Przybyszowski A, et al. *Pol Przegl Chir* 50(5):363-8, May 78 (Eng. Abstr.) (Pol)

### METHODS

- Adrenalectomy for palliation of metastatic breast cancer. Dao TL. *Int J Radiat Oncol Biol Phys* 4(5-6):473-6, May-Jun 78
- Surgical management of Cushing's syndrome. Delaney JP, et al. *Surgery* 84(4):465-70, Oct 78
- [Thoracophrenotomy as a method in adrenalectomy] Shraer TI, et al. *Klin Med (Mosk)* 56(8):70-3, Aug 78 (Eng. Abstr.) (Rus)

## PITUITARY-ADRENAL FUNCTION TESTS

- Cushing's syndrome. Liddle GW. *Ann NY Acad Sci* 297:594-602, 28 Oct 77
- Plasma ACTH radioimmunoassays in the diagnosis of pituitary-adrenal dysfunction. West CD, et al. *Ann NY Acad Sci* 297:205-19, 28 Oct 77
- Dexamethasone test in alcoholics [letter] Oxenkrug GF. *Lancet* 2(8093):795, 7 Oct 78
- Treatment of chronic childhood asthma with beclomethasone dipropionate aerosols: II. Effect on pituitary-adrenal function after substitution for oral corticosteroids. Kershner H, et al. *Pediatrics* 62(2):189-97, Aug 78
- [Methods of functional studies of the adrenal cortex in the clinical aspects of endocrine diseases] Maksimova MV. *Med Sestra* 37(7):32-5, Jul 78 (Rus)



# ADRENAL

## II. Disorders of the Adrenal Glands

### ADDISON'S DISEASE

[Polyendocrinopathy] Ofuzi T. *Nippon Rinsho Suppl*:1526-7, May 78 (Jpn)

#### BLOOD

Clinical studies of 'big ACTH': its physico-chemical characteristics. Yamada Y, et al. *Acta Endocrinol (Copenh)* 89(2):221-31, Oct 78

beta-Endorphin is not detectable in plasma from normal human subjects. Suda T, et al. *Science* 202(4364):221-3, 13 Oct 78

#### COMPLICATIONS

A possible ACTH secreting tumour of the pituitary developing in a conventionally treated case of Addison's disease. Himsworth RL, et al. *Clin Endocrinol (Oxf)* 9(2):131-9, Aug 78

[Hypogammaglobulinemia of variable expression, Addison's disease, Dubin-Johnson's disease] Olive D, et al. *Arch Fr Pediatr* 35(6):646-50, Jun-Jul 78 (Eng. Abstr.) (Fre)

[Polyendocrinopathy] Ofuzi T. *Nippon Rinsho Suppl*:1526-7, May 78 (Jpn)

[Case of diabetes complicated by Addison's disease] Derech-Mrozowska J, et al. *Wiad Lek* 31(17):1215-7, 1 Sep 78 (Eng. Abstr.) (Pol)

#### DIAGNOSIS

Upper abdominal calcification in a young man. Cohen KL, et al. *JAMA* 240(15):1639-40, 6 Oct 78

[Errors in diagnosis of Addison's disease] Bondar PN, et al. *Vrach Delo* (6):110-1, Jun 78 (Eng. Abstr.) (Rus)

#### DRUG THERAPY

A possible ACTH secreting tumour of the pituitary developing in a conventionally treated case of Addison's disease. Himsworth RL, et al. *Clin Endocrinol (Oxf)* 9(2):131-9, Aug 78

#### ETIOLOGY

[Staphylococcal septicemia as a possible cause of Addison's disease in a 12-year-old boy] Zoch-Zwierz W, et al. *Wiad Lek* 31(10):709-10, 15 May 78 (Pol)

#### IMMUNOLOGY

[Hypogammaglobulinemia of variable expression, Addison's disease, Dubin-Johnson's disease] Olive D, et al. *Arch Fr Pediatr* 35(6):646-50, Jun-Jul 78 (Eng. Abstr.) (Fre)

[Polyendocrinopathy] Ofuzi T. *Nippon Rinsho Suppl*:1526-7, May 78 (Jpn)

#### PHYSIOPATHOLOGY

A possible ACTH secreting tumour of the pituitary developing in a conventionally treated case of Addison's disease. Himsworth RL, et al. *Clin Endocrinol (Oxf)* 9(2):131-9, Aug 78

[Effect of endogenous glucocorticosteroids on TRH-induced TSH secretion] Naumczyk-Zaremba J, et al. *Endokrynol Pol* 29(4):289-5, Jul-Aug 78 (Eng. Abstr.) (Pol)

### ADENOMA, VIRILIZING

#### BLOOD

Adrenocorticotropin and plasma aldosterone concentration and deoxycorticosterone in man. Biglieri EG, et al. *Ann NY Acad Sci* 297:361-72, 28 Oct 77

#### SURGERY

[Anesthesia and postoperative management in surgery for adrenal cortex neoplasms in children. Apropos of 24 cases] Dubousset AM, et al. *Anesth Analg (Paris)* 35(2):279-85, Mar-Apr 78 (Fre)

### ADRENAL CORTEX DISEASES

#### COMPLICATIONS

[Anesthesia and intensive care problems in adrenocortical surgery] Proye C, et al. *Anesth Analg (Paris)* 35(2):251-62, Mar-Apr 78 (Fre)

#### SURGERY

[Anesthesia and intensive care problems in adrenocortical surgery] Proye C, et al. *Anesth Analg (Paris)* 35(2):251-62, Mar-Apr 78 (Fre)

### ADRENAL CORTEX NEOPLASMS

[Non-secreting malignant tumors of the adrenal cortex. Description of a case] Gozzetti G, et al. *Minerva Chir* 33(18):1209-14, 30 Sep 78 (Eng. Abstr.) (Ita)

#### COMPLICATIONS

Adrenal cortical carcinoma with Cushing's syndrome, organic psychosis, and aphasia in a seventy-one-year-old woman. Friedland RP, et al. *Mt Sinai J Med (NY)* 45(4):509-23, Jul-Aug 78

Surgical management of Cushing's syndrome. Delaney JP, et al. *Surgery* 84(4):465-70, Oct 78

Cushing's syndrome due to adrenocortical adenoma in a cat. Meijer JC, et al. *Tijdschr Diergeneesk* 103(20):1048-51, 15 Oct 78

#### DIAGNOSIS

[Non-secreting malignant tumors of the adrenal cortex. Description of a case] Gozzetti G, et al. *Minerva Chir* 33(18):1209-14, 30 Sep 78 (Eng. Abstr.) (Ita)

#### DRUG THERAPY

[Anesthesia and postoperative management in surgery for adrenal cortex neoplasms in children. Apropos of 24 cases] Dubousset AM, et al. *Anesth Analg (Paris)* 35(2):279-85, Mar-Apr 78 (Fre)

#### PATHOLOGY

Histochemical investigation of aldosterone-secreting cells adenoma of the adrenal cortex. Beskid M, et al. *Endokrinologie* 72(1):57-65, Apr 78

Tumours of the adrenal gland. Hollander CF, et al. *IARC Sci Publ* (6):273-93, 1976 (34 ref.)

Renal cell carcinoma following radiation therapy for an adrenal cortical carcinoma. Andler W, et al. *J Pediatr* 93(4):634-6, Oct 78

Adrenal cortical carcinoma with Cushing's syndrome, organic psychosis, and aphasia in a seventy-one-year-old woman. Friedland RP, et al. *Mt Sinai J Med (NY)* 45(4):509-23, Jul-Aug 78

#### RADIOTHERAPY

Renal cell carcinoma following radiation therapy for an adrenal cortical carcinoma. Andler W, et al. *J Pediatr* 93(4):634-6, Oct 78

#### SECRETION

The ultrastructure of functional mouse adrenal cortical tumor cells in vitro. Mattson P, et al. *Differentiation* 11(2):75-88, 1978

## ADRENAL CORTEX

Histochemical investigation of aldosterone-secreting cells adenoma of the adrenal cortex. Beskid M, et al. *Endokrinologie* 72(1):57-65, Apr 78

### SURGERY

Surgical management of Cushing's syndrome. Delaney JP, et al. *Surgery* 84(4):465-70, Oct 78  
Cushing's syndrome due to adrenocortical adenoma in a cat. Meijer JC, et al. *Tijdschr Diergeneeskde* 103(20):1048-51, 15 Oct 78  
[Anesthesia and postoperative management in surgery for adrenal cortex neoplasms in children. Apropos of 24 cases] Dubousset AM, et al. *Anesth Analg (Paris)* 35(2):279-85, Mar-Apr 78 (Fre)  
[Non-secreting malignant tumors of the adrenal cortex. Description of a case] Gozzetti G, et al. *Minerva Chir* 33(18):1209-14, 30 Sep 78 (Eng. Abstr.) (Ita)

### ULTRASTRUCTURE

The ultrastructure of functional mouse adrenal cortical tumor cells in vitro. Mattson P, et al. *Differentiation* 11(2):75-88, 1978  
Histochemical investigation of aldosterone-secreting cells adenoma of the adrenal cortex. Beskid M, et al. *Endokrinologie* 72(1):57-65, Apr 78

### VETERINARY

Cushing's syndrome due to adrenocortical adenoma in a cat. Meijer JC, et al. *Tijdschr Diergeneeskde* 103(20):1048-51, 15 Oct 78

## ADRENAL GLAND DISEASES

Diffuse cerebral sclerosis, melanoderma and adrenal insufficiency (adreno-leukodystrophy). Hormia M. *Acta Neurol Scand* 58(2):128-33, Aug 78  
[Case of adrenal gland pseudocyst treated surgically in a newborn infant] Lipska H, et al. *Pediatr Pol* 53(8):1005-7, Aug 78 (Rus)

### BLOOD

Adrenocorticotropin and plasma aldosterone concentration and deoxycorticosterone in man. Biglieri EG, et al. *Ann NY Acad Sci* 297:361-72, 28 Oct 77

### COMPLICATIONS

Mild hypertension—appropriate diagnostic work-up. Hawthorne EW, et al. *Ann NY Acad Sci* 304:363-72, 30 Mar 78 (56 ref.)

### DIAGNOSIS

[Percutaneous puncture in the diagnosis of adrenal cysts] Zulian R, et al. *Rev Paul Med* 91(5-6):133-7, May-Jun 78 (Eng. Abstr.) (Por)

### DRUG THERAPY

Therapeutic implications of adrenal scanning agents. pp. 155-65. Beierwaltes WH.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
[Clinical application of angiotensin II derivatives] Kono T. *Horumon To Rinsho* 26(8):751-9, Aug 78 (Jpn)

### PATHOLOGY

Diffuse cerebral sclerosis, melanoderma and adrenal insufficiency (adreno-leukodystrophy). Hormia M. *Acta Neurol Scand* 58(2):128-33, Aug 78  
[Percutaneous puncture in the diagnosis of adrenal cysts] Zulian R, et al. *Rev Paul Med* 91(5-6):133-7, May-Jun 78 (Eng. Abstr.) (Por)

### RADIOGRAPHY

Upper abdominal calcification in a young man. Cohen KL, et al. *JAMA* 240(15):1639-40, 6 Oct 78  
[Percutaneous puncture in the diagnosis of adrenal cysts] Zulian R, et al. *Rev Paul Med* 91(5-6):133-7, May-Jun 78 (Eng. Abstr.) (Por)  
[Case of adrenal gland pseudocyst treated surgically in a newborn infant] Lipska H, et al. *Pediatr Pol* 53(8):1005-7,

## ADRENAL

Aug 78

(Rus)

### RADIONUCLIDE IMAGING

Therapeutic implications of adrenal scanning agents. pp. 155-65. Beierwaltes WH.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
Documentation of adrenal cyst by adrenal scanning techniques [letter] Gross MD, et al. *J Nucl Med* 19(9):1092, Sep 78

### RADIOTHERAPY

Therapeutic implications of adrenal scanning agents. pp. 155-65. Beierwaltes WH.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.

### SURGERY

[Case of adrenal gland pseudocyst treated surgically in a newborn infant] Lipska H, et al. *Pediatr Pol* 53(8):1005-7, Aug 78 (Rus)

## ADRENAL GLAND HYPERFUNCTION

### BLOOD

Adrenocorticotropin and plasma aldosterone concentration and deoxycorticosterone in man. Biglieri EG, et al. *Ann NY Acad Sci* 297:361-72, 28 Oct 77

### CHEMICALLY INDUCED

[Action of morphine and amidopyrine against a background of mineralocorticoid hormone and its antagonist] El'tsova ZI, et al. *Farmakol Toksikol* 41(5):541-4, Sep-Oct 78 (Eng. Abstr.) (Rus)

### COMPLICATIONS

Acne due to congenital adrenal hyperplasia. Mitchell ED. *Br J Dermatol* 99(Suppl 16):56-8, Jul 78  
[Changes in the kidneys in salt-losing form of congenital hyperplasia of the adrenals] Tsibel' BN, et al. *Pediatr Pol* 53(8):1005-7, Sep 78 (Eng. Abstr.) (Rus)

### CONGENITAL

Acne due to congenital adrenal hyperplasia. Mitchell ED. *Br J Dermatol* 99(Suppl 16):56-8, Jul 78

### DRUG THERAPY

[Use of corticosteroids in pediatrics, especially in children with congenital adrenal cortex hyperplasia (adrenogenital syndrome)] Visser HK. *Ned Tijdschr Geneeskde* 122(38):1406-10, 23 Sep 78 (Dut)  
[Effect of low doses of dexamethasone in the treatment of hyperandrogenism of adrenal origin] Legros JJ, et al. *Rev Med Liege* 33(19):665-71, 1 Oct 78 (Fre)

### FAMILIAL & GENETIC

Genetic mapping of the 21-hydroxylase-deficiency gene within the HLA linkage group. Levine LS, et al. *N Engl J Med* 299(17):911-5, 26 Oct 78

### METABOLISM

[17 alpha-hydroxylase deficiency] Yoshinaga K. *Nippon Rinsho Suppl*:1580-1, May 78 (Jpn)  
[LH and FSH hypophyseal reserve after stimulation with synthetic LHRH. V. Adrenal and thyroidal pathology, lipodystrophy and hemochromatosis] Villar Ortiz J, et al. *Rev Clin Esp* 149(3):223-8, 15 May 78 (Eng. Abstr.) (Spa)

### SURGERY

[Results of surgical treatment of 111 cases of adrenocortical hyperfunction (an analysis)] Kasperlik-Zaluska A, et al. *Endokrynol Pol* 29(4):273-88, Jul-Aug 78 (Eng. Abstr.) (Pol)



## ADRENAL GLAND HYPOFUNCTION

## BLOOD

Plasma ACTH radioimmunoassays in the diagnosis of pituitary-adrenal dysfunction. West CD, et al. *Ann NY Acad Sci* 297:205-19, 28 Oct 77

## COMPLICATIONS

Sella turcica enlargement and primary adrenal insufficiency. Dluhy RG, et al. *Ann Intern Med* 89(4):513-4, Oct 78  
Systemic lupus erythematosus associated with adrenal insufficiency. Thiagarajan D, et al. *J Kans Med Soc* 79(10):565-6, Oct 78

## DIAGNOSIS

Adrenal function and ascorbic acid concentrations in elderly women. Dubin B, et al. *Gerontology* 24(6):473-6, 1978  
Adrenalectomy for palliation of metastatic breast cancer. Dao TL. *Int J Radiat Oncol Biol Phys* 4(5-6):473-6, May-Jun 78

## DRUG THERAPY

Adrenalectomy for palliation of metastatic breast cancer. Dao TL. *Int J Radiat Oncol Biol Phys* 4(5-6):473-6, May-Jun 78

[Patient management after bilateral total adrenalectomy] Butrova SA, et al. *Probl Endokrinol (Mosk)* 24(5):54-5, Sep-Oct 78 (Rus)

## ETIOLOGY

[Anesthesia and intensive care problems in adrenocortical surgery] Proye C, et al. *Anesth Analg (Paris)* 35(2):251-62, Mar-Apr 78 (Fre)

## PATHOLOGY

Diffuse cerebral sclerosis, melanoderma and adrenal insufficiency (adreno-leukodystrophy). Hormia M. *Acta Neurol Scand* 58(2):128-33, Aug 78

## PREVENTION &amp; CONTROL

Adrenalectomy for palliation of metastatic breast cancer. Dao TL. *Int J Radiat Oncol Biol Phys* 4(5-6):473-6, May-Jun 78

[Endocrine-metabolic surveillance following surgery of the hypothalamo-hypophyseal system] Beaufils F, et al. *Anesth Analg (Paris)* 35(2):301-6, Mar-Apr 78 (Fre)

## ADRENAL GLAND NEOPLASMS

Abnormal liver and bone scans in a case of a metastatic neuroblastoma. Valdez VA, et al. *Clin Nucl Med* 3(8):337-8, Aug 78

## BLOOD

Plasma noradrenaline concentration and blood pressure in essential hypertension, pheochromocytoma and depression. Louis WJ, et al. *Clin Sci Mol Med* 48 Suppl 2:239s-242s, Jun 75

## BLOOD SUPPLY

CT diagnosis of tumor thrombosis of the renal vein and inferior vena cava. Marks WM, et al. *AJR* 131(5):843-6, Nov 78

## CHEMICALLY INDUCED

Diagnosis of pheochromocytoma after ingestion of imipramine. Mok J, et al. *Arch Dis Child* 53(8):676-7, Aug 78

## COMPLICATIONS

CT diagnosis of tumor thrombosis of the renal vein and inferior vena cava. Marks WM, et al. *AJR* 131(5):843-6, Nov 78

Pheochromocytoma with lactic acidosis. Keller U, et al. *Br Med J* 2(6137):606-7, 26 Aug 78

Evidence for secretion of vasoactive intestinal peptide by tumours of pancreas, adrenal medulla, thyroid and lung: support for the unifying APUD concept. Said SI.

*Clin Endocrinol (Oxf)* 5 Suppl:201S-204S, 1976

Acute pulmonary oedema in a patient with pheochromocytoma. Naeije R, et al.

*Intensive Care Med* 4(3):165-7, Jul 78

Medullary carcinoma and pheochromocytoma [letter] Warner TF. *JAMA* 240(17):1856, 20 Oct 78

[Bilateral pheochromocytoma of the adrenal glands and a solitary neurofibroma of the dorsal mucosa of the tongue associated with a solid medullary carcinoma of the thyroid gland in Hashimoto's lymphocytic thyroiditis] Zeman V, et al. *Cesk Patol* 13(4):185-91, Nov 77 (Eng. Abstr.) (Cze)

[Sero-hemorrhagic pleuresy of subdiaphragmatic origin. Apropos of 6 cases] Tombroff M, et al. *Acta Clin Belg* 33(2):98-109, 1978 (Eng. Abstr.) (Fre)

[Pheochromocytoma and emergency resuscitation. Apropos of 2 cases of pheochromocytoma manifested by acute circulatory insufficiency and pulmonary edema and accompanied by hypoglycemia] Barale F, et al. *Anesth Analg (Paris)* 35(2):233-40, Mar-Apr 78 (Fre)

[Emergency surgical indications for pheochromocytomas] Lomessy A, et al. *Anesth Analg (Paris)* 35(2):227-32, Mar-Apr 78 (Fre)

[Virilism due to an adrenal medullary tumor with ectopic ACTH syndrome (author's transl)] Kley HK, et al. *Klin Wochenschr* 53(7):321-7, 1 Apr 75 (Ger)

[Ectopic pheochromocytoma with paroxysmal hypertensive symptoms—a case study] Izumi Y, et al. *Nippon Rinsho* 36(6):2588-92, 10 Jun 78 (Jpn)

[A case of Cushing's syndrome due to adrenal carcinoma (author's transl)] Nakajo M, et al. *Rinsho Hoshasen* 23(9):977-80, Sep 78 (Eng. Abstr.) (Jpn)

[Suspected pheochromocytoma and final diagnosis in patients with hypertension] Januszewicz W, et al. *Pol Tyg Lek* 33(22):877-9, 29 May 78 (Eng. Abstr.) (Pol)

[Livedo reticularis and primary adenomatous aldosteronism] Mićić R, et al. *Srp Arh Celok Lek* 105(11):975-83, Nov 77 (Eng. Abstr.) (Scc)

## DIAGNOSIS

Pheochromocytoma with lactic acidosis. Keller U, et al.

*Br Med J* 2(6137):606-7, 26 Aug 78

Upper abdominal calcification in a young man. Cohen KL, et al. *JAMA* 240(15):1639-40, 6 Oct 78

Natural history of familial medullary thyroid carcinoma: effect of a program for early diagnosis. Graze K, et al.

*N Engl J Med* 299(18):980-5, 2 Nov 78

Pheochromocytoma: critical review of experiences with diagnosis and treatment. Ohman U, et al.

*Prog Clin Cancer* 7:135-52, 1978 (108 ref.)

Lipomatous tumors of the kidney and adrenal: apparent echographic specificity. Scheible W, et al. *Radiology* 129(1):153-6, Oct 78

[Diagnosis of pheochromocytoma in childhood] Stavratjev M, et al. *Cesk Pediatr* 33(5):289-92, May 78 (Eng. Abstr.) (Cze)

[Various aspects of pheochromocytoma] van den Broek PJ, et al. *Ned Tijdschr Geneesk* 122(46):1795-801, 18 Nov 78 (Eng. Abstr.) (Dut)

[Anesthetic evidence of pheochromocytoma] Roquefeuil B, et al. *Ann Anesthesiol Fr* 19(6):568-70, 1978 (Eng. Abstr.) (Fre)

[Ectopic pheochromocytoma with paroxysmal hypertensive symptoms—a case study] Izumi Y, et al. *Nippon Rinsho* 36(6):2588-92, 10 Jun 78 (Jpn)

[Adrenal medulla—catecholamine in urine and chromogranin in plasma (author's transl)] Yamada R. *Rinsho Byori* 26(6):483-6, Jun 78 (Jpn)

[Suspected pheochromocytoma and final diagnosis in patients with hypertension] Januszewicz W, et al. *Pol Tyg Lek* 33(22):877-9, 29 May 78 (Eng. Abstr.) (Pol)

## DRUG THERAPY

Therapeutic implications of adrenal scanning agents. pp. 155-65. Beierwaltes WH.

In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.

## ENZYMOMOLOGY

Selective enzyme induction in a nerve growth factor-responsive pheochromocytoma cell line (PC 12). Edgar DH, et al. *Brain Res* 154(1):186-90, 6 Oct 78

Nerve growth factor-mediated selective induction of ornithine decarboxylase in rat pheochromocytoma; a cyclic

## ADRENAL GLAND

AMP-independent process. Hatanaka H, et al.  
FEBS Lett 92(2):313-6, 15 Aug 78

### ETIOLOGY

Tumours of the adrenal gland. Hollander CF, et al.  
IARC Sci Publ 6(6):273-93, 1976 (34 ref.)

### OCCURRENCE

[On the histology of malignant tumours in infants and children (author's transl)] Wöckel W. Dtsch Med Wochenschr 103(43):1707-10, 27 Oct 78 (Eng. Abstr.) (Ger)

### PATHOLOGY

Evidence for secretion of vasoactive intestinal peptide by tumours of pancreas, adrenal medulla, thyroid and lung: support for the unifying APUD concept. Said SI.  
Clin Endocrinol (Oxf) 5 Suppl:201S-204S, 1976

Tumours of the adrenal gland. Hollander CF, et al.  
IARC Sci Publ 6(6):273-93, 1976 (34 ref.)  
[Bilateral pheochromocytoma of the adrenal glands and a solitary neurofibroma of the dorsal mucosa of the tongue associated with a solid medullary carcinoma of the thyroid gland in Hashimoto's lymphocytic thyroiditis] Zeman V, et al. Cesk Patol 13(4):185-91, Nov 77 (Eng. Abstr.) (Cze)

[2 cases of metastasis to an unusual site] Jadot JP, et al. Acta Urol Belg 46(3):379-88, Jul 78 (Eng. Abstr.) (Fre)  
[Pheochromocytoma and emergency resuscitation. Apropos of 2 cases of pheochromocytoma manifested by acute circulatory insufficiency and pulmonary edema and accompanied by hypoglycemia] Barale F, et al. Anesth Analg (Paris) 55(2):233-40, Mar-Apr 78 (Fre)  
[Hemangioendothelioma—a case contribution] Friedrich U, et al. Z Gesamte Inn Med 33(15):529-32, 1 Aug 78 (Eng. Abstr.) (Ger)

### PHYSIOPATHOLOGY

Plasma noradrenaline concentration and blood pressure in essential hypertension, pheochromocytoma and depression. Louis WJ, et al. Clin Sci Mol Med 48 Suppl 2:239s-242s, Jun 75  
Acute pulmonary oedema in a patient with pheochromocytoma. Naeije R, et al. Intensive Care Med 4(3):165-7, Jul 78

### RADIOGRAPHY

CT diagnosis of tumor thrombosis of the renal vein and inferior vena cava. Marks WM, et al. AJR 131(5):843-6, Nov 78  
Computed body tomography and gray scale ultrasonography: anatomic correlations and pitfalls in the upper abdomen. Sample WF, et al. Gastrointest Radiol 3(3):243-9, 31 Aug 78  
The diagnostic significance of the various radiological examinations in adrenal disease. Sasaki T. Nippon Igaku Hoshasen Gakkai Zasshi 38(5):416-22, 25 May 78  
Neuroblastoma. Groncy P, et al. Pediatr Ann 7(8):548-59, Aug 78  
[Computerized tomography and its significance in preoperative abdominal diagnosis] Gerhardt P. Chirurg 49(8):485-90, Aug 78 (Eng. Abstr.) (Ger)

### RADIONUCLIDE IMAGING

Therapeutic implications of adrenal scanning agents. pp. 155-65. Beierwaltes WH.  
In: Spencer RP, ed. Therapy in nuclear medicine. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
The diagnostic significance of the various radiological examinations in adrenal disease. Sasaki T. Nippon Igaku Hoshasen Gakkai Zasshi 38(5):416-22, 25 May 78  
[A case of Cushing's syndrome due to adrenal carcinoma (author's transl)] Nakajo M, et al. Rinsho Hoshasen 23(9):977-80, Sep 78 (Eng. Abstr.) (Jpn)

### RADIOTHERAPY

Therapeutic implications of adrenal scanning agents. pp. 155-65. Beierwaltes WH.  
In: Spencer RP, ed. Therapy in nuclear medicine. New York, Grune & Stratton, 1978. WN 450 T398 1977.

## ADRENAL

### SECRETION

Evidence for secretion of vasoactive intestinal peptide by tumours of pancreas, adrenal medulla, thyroid and lung: support for the unifying APUD concept. Said SI.  
Clin Endocrinol (Oxf) 5 Suppl:201S-204S, 1976  
Control of plasma aldosterone in a patient with Conn's syndrome before and during spironolactone medication. Vetter H, et al. Klin Wochenschr 53(8):391-3, 15 Apr 75  
VIPomas and the watery diarrhoea syndrome. Modlin IM, et al. S Afr Med J 54(2):53-6, 8 Jul 78  
[Virilism due to an adrenal medullary tumor with ectopic ACTH syndrome (author's transl)] Kley HK, et al. Klin Wochenschr 53(7):321-7, 1 Apr 75 (Ger)  
[Results of surgical treatment of 111 cases of adrenocortical hyperfunction (an analysis)] Kasperlik-Zaluska A, et al. Endokrynol Pol 29(4):273-88, Jul-Aug 78 (Eng. Abstr.) (Pol)

### SURGERY

Intraoperative management of pheochromocytoma with sodium nitroprusside. Daggett P, et al. Br Med J 2(6133):311-3, 29 Jul 78  
[Various aspects of pheochromocytoma] van den Broek PJ, et al. Ned Tijdschr Geneesk 122(46):1795-801, 18 Nov 78 (Eng. Abstr.) (Dut)  
[Alpha-blocking agents in preparation for intervention on pheochromocytomas] Cecat P, et al. Anesth Analg (Paris) 35(2):219-26, Mar-Apr 78 (Fre)  
[Our current experience with anesthesia and intensive care in pheochromocytoma surgery (apropos of 6 cases)] Lareng L, et al. Anesth Analg (Paris) 35(2):241-50, Mar-Apr 78 (Fre)  
[Emergency surgical indications for pheochromocytomas] Lomessy A, et al. Anesth Analg (Paris) 35(2):227-32, Mar-Apr 78 (Fre)  
[Results of surgical treatment of 111 cases of adrenocortical hyperfunction (an analysis)] Kasperlik-Zaluska A, et al. Endokrynol Pol 29(4):273-88, Jul-Aug 78 (Eng. Abstr.) (Pol)  
[Anesthesia in pheochromocytoma] Cortés Froteza C, et al. Rev Esp Anestesiol Reanim 25(3):259-68, May 78 (Spa)  
[Pheochromocytoma and its surgical-anesthetic incidence] López Guerrero AJ, et al. Rev Esp Anestesiol Reanim 25(3):247-58, May 78 (Eng. Abstr.) (Spa)

### THERAPY

Pheochromocytoma: critical review of experiences with diagnosis and treatment. Ohman U, et al. Prog Clin Cancer 7:135-52, 1978 (108 ref.)

### ULTRASTRUCTURE

[Virilism due to an adrenal medullary tumor with ectopic ACTH syndrome (author's transl)] Kley HK, et al. Klin Wochenschr 53(7):321-7, 1 Apr 75 (Ger)

### URINE

Acute pulmonary oedema in a patient with pheochromocytoma. Naeije R, et al. Intensive Care Med 4(3):165-7, Jul 78  
Pheochromocytoma: critical review of experiences with diagnosis and treatment. Ohman U, et al. Prog Clin Cancer 7:135-52, 1978 (108 ref.)

## ADRENOGENITAL SYNDROME

### DIAGNOSIS

Limited significance of the LRH test in the diagnosis of ovarian dysfunction. Böhm P, et al. Acta Endocrinol (Copenh) 89(3):438-44, Nov 78  
Hemangioma of clitoris, confused with adrenogenital syndrome: case report. Kaufman-Friedman K. Plast Reconstr Surg 62(3):452-4, Sep 78

### DRUG THERAPY

[Anesthesia and intensive care in surgery for congenital virilizing adrenal hyperplasia] Ghnassia MD, et al. Anesth Analg (Paris) 35(2):269-78, Mar-Apr 78 (Fre)

### ETIOLOGY

[Enzyme disorders involving steroid formation in adults]



## ADRENAL

## CUSHING'S SYNDROME

Göbel P. *Med Welt* 29(42):1625-32, 20 Oct 78 (Ger)

### PHYSIOPATHOLOGY

Limited significance of the LRH test in the diagnosis of ovarian dysfunction. Böhm P, et al.

*Acta Endocrinol (Copenh)* 89(3):438-44, Nov 78

[Estimation of androgenic functions of the adrenal cortex and gonads in selected forms of genital abnormalities in children and adolescents] Pawlaczyk B. *Endokrynol Pol* 29(4):347-52, Jul-Aug 78 (Pol)

### SURGERY

[Anesthesia and intensive care in surgery for congenital virilizing adrenal hyperplasia] Ghnassia MD, et al. *Anesth Analg (Paris)* 35(2):269-78, Mar-Apr 78 (Fre)

## BARTTER'S DISEASE

[Bartter's syndrome (editorial)] Etzioni A, et al. *Harefuah* 95(1):38-9, 2 Jul 78 (Heb)

[Bartter's syndrome--abnormal prostaglandin production] Kono T. *Nippon Rinsho Suppl*:1530-1, May 78 (Jpn)

### DIAGNOSIS

[Indomethacin in Bartter's syndrome] Valles M, et al. *Rev Clin Esp* 149(6):601-5, 30 Jun 78 (Spa)

### DRUG THERAPY

Bartter's syndrome without hyperplasia of the juxtaglomerular apparatus, treated with indomethacin. Kornerup HJ, et al. *Acta Med Scand* 204(3):235-9, 1978

[Bartter's syndrome--abnormal prostaglandin production] Kono T. *Nippon Rinsho Suppl*:1530-1, May 78 (Jpn)

[Indomethacin in Bartter's syndrome] Valles M, et al. *Rev Clin Esp* 149(6):601-5, 30 Jun 78 (Spa)

### ETIOLOGY

[A case of Bartter's syndrome presenting unusual features (author's transl)] Saku A, et al.

*Nippon Naika Gakkai Zasshi* 67(8):860-7, 10 Aug 78 (Jpn)

[A case of Bartter's syndrome with special reference to the pathogenesis (author's transl)] Sasaki H, et al.

*Nippon Naika Gakkai Zasshi* 66(2):193-204, 10 Feb 77 (Jpn)

### METABOLISM

[Bartter's syndrome--abnormal prostaglandin production] Kono T. *Nippon Rinsho Suppl*:1530-1, May 78 (Jpn)

### PATHOLOGY

Bartter's syndrome without hyperplasia of the juxtaglomerular apparatus, treated with indomethacin. Kornerup HJ, et al. *Acta Med Scand* 204(3):235-9, 1978

[A case of Bartter's syndrome with special reference to the pathogenesis (author's transl)] Sasaki H, et al.

*Nippon Naika Gakkai Zasshi* 66(2):193-204, 10 Feb 77 (Jpn)

### PHYSIOPATHOLOGY

Evidence for a prostaglandin-independent defect in chloride reabsorption in the loop of Henle as a proximal cause of Bartter's syndrome. Gill JR Jr, et al. *Am J Med* 65(5):766-72, Nov 78

[A case of Bartter's syndrome presenting unusual features (author's transl)] Saku A, et al.

*Nippon Naika Gakkai Zasshi* 67(8):860-7, 10 Aug 78 (Jpn)

## CUSHING'S SYNDROME

Cushing's syndrome. Liddle GW. *Ann NY Acad Sci* 297:594-602, 28 Oct 77

[Cushing's disease] Kumagai A, et al. *Nippon Rinsho Suppl*:1536-7, May 78

### BLOOD

ACTH and cortisol response to bromocriptine, and results of long-term therapy, in Cushing's disease. Kennedy AL, et al. *Acta Endocrinol (Copenh)* 89(3):461-8, Nov 78

Clinical studies of 'big ACTH': its physico-chemical characteristics. Yamada Y, et al.

*Acta Endocrinol (Copenh)* 89(2):221-31, Oct 78

Regulation of circadian periodicity of plasma ACTH levels.

Krieger DT. *Ann NY Acad Sci* 297:561-7, 28 Oct 77

Plasma ACTH radioimmunoassays in the diagnosis of pituitary-adrenal dysfunction. West CD, et al.

*Ann NY Acad Sci* 297:205-19, 28 Oct 77

beta-Endorphin is not detectable in plasma from normal human subjects. Suda T, et al. *Science* 202(4364):221-3, 13 Oct 78

[Hypothalamo-hypophyseal-thyroid relationship in patients with Itsenko-Cushing disease treated with chloditan]

Slavnov VN, et al. *Klin Med (Mosk)* 56(8):65-70, Aug 78 (Eng. Abstr.) (Rus)

### CHEMICALLY INDUCED

[Warning for Cushing's syndrome and withdrawal symptoms in users of the Hong Kong pill] Offerhaus L. *Ned Tijdschr Geneesk* 122(42):1633, 21 Oct 78 (Dut)

### COMPLICATIONS

Unifying concept of non-pituitary ACTH-secreting tumors: evidence of common origin of neural-crest tumors, carcinoids, and oat-cell carcinomas. Skrabanek P, et al. *Cancer* 42(3):1263-9, Sep 78 (0 ref.)

Computed tomography in the evaluation of mediastinal lipomatosis. Bein ME, et al. *J Comput Assist Tomogr* 2(4):379-83, Sep 78

Hypertension induced by adrenocortical dysfunction--hypertension in 17 alpha-hydroxylase deficiency and metopirone-induced hypertension. Saruta T, et al. *Jpn Circ J* 42(5):621-31, May 78

Adrenal cortical carcinoma with Cushing's syndrome, organic psychosis, and aphasia in a seventy-one-year-old woman. Friedland RP, et al. *Mt Sinai J Med (NY)* 45(4):509-23, Jul-Aug 78

[Anesthesia and intensive care problems in adrenocortical surgery] Proye C, et al. *Anesth Analg (Paris)* 35(2):251-62, Mar-Apr 78 (Fre)

[A case of Cushing syndrome with WPW syndrome and anesthetic management (author's transl)] Sha N, et al. *Masui* 27(7):754-7, Jul 78 (Eng. Abstr.) (Jpn)

### DIAGNOSIS

Cushing's syndrome. Liddle GW. *Ann NY Acad Sci* 297:594-602, 28 Oct 77

Delayed cure of Cushing's disease after transsphenoidal surgery of pituitary microadenomas. Report of two cases. McDonald SD, et al. *J Neurosurg* 49(4):593-6, Oct 78

Surgical management of Cushing's syndrome. Delaney JP, et al. *Surgery* 84(4):465-70, Oct 78

### DRUG THERAPY

ACTH and cortisol response to bromocriptine, and results of long-term therapy, in Cushing's disease. Kennedy AL, et al. *Acta Endocrinol (Copenh)* 89(3):461-8, Nov 78

Serotonin regulation of ACTH secretion. Krieger DT. *Ann NY Acad Sci* 297:527-35, 28 Oct 77

[Hypothalamo-hypophyseal-thyroid relationship in patients with Itsenko-Cushing disease treated with chloditan] Slavnov VN, et al. *Klin Med (Mosk)* 56(8):65-70, Aug 78 (Eng. Abstr.) (Rus)

[Patient management after bilateral total adrenalectomy] Butrova SA, et al. *Probl Endokrinol (Mosk)* 24(5):54-5, Sep-Oct 78 (Rus)

[Mineralocorticoid function of the adrenal cortex and the renin--angiotensin system in Itsenko-Cushing's disease] Slavnov VN, et al. *Probl Endokrinol (Mosk)* 24(5):39-44, Sep-Oct 78 (Eng. Abstr.) (Rus)

### ETIOLOGY

Cushing's syndrome. Liddle GW. *Ann NY Acad Sci* 297:594-602, 28 Oct 77

Delayed cure of Cushing's disease after transsphenoidal surgery of pituitary microadenomas. Report of two cases. McDonald SD, et al. *J Neurosurg* 49(4):593-6, Oct 78

Surgical management of Cushing's syndrome. Delaney JP, et al. *Surgery* 84(4):465-70, Oct 78

Cushing's syndrome due to adrenocortical adenoma in a cat.

## CUSHING'S SYNDROME

Meijer JC, et al. *Tijdschr Diergeneesk* 103(20):1048-51, 15 Oct 78

[A case of Cushing's syndrome due to adrenal carcinoma (author's transl)] Nakajo M, et al. *Rinsho Hoshasen* 23(9):977-80, Sep 78 (Eng. Abstr.) (Jpn)

### PATHOLOGY

Adrenal cortical carcinoma with Cushing's syndrome, organic psychosis, and aphasia in a seventy-one-year-old woman. Friedland RP, et al. *Mt Sinai J Med (NY)* 45(4):509-23, Jul-Aug 78

### PHYSIOPATHOLOGY

Pituitary function after pituitary apoplexy. Pelkonen R, et al. *Am J Med* 65(5):773-8, Nov 78

The adrenal cortex. Milne FJ. *S Afr Med J* 53(24):969-74, 14 Jun 78

[Effect of endogenous glucocorticosteroids on TRH-induced TSH secretion] Naumczyk-Zaremba J, et al. *Endokrynol Pol* 29(4):289-5, Jul-Aug 78 (Eng. Abstr.) (Pol)

[Hypothalamo-hypophyseal-relationship in patients with Itsenko-Cushing disease treated with chloditan] Slavnov VN, et al. *Klin Med (Mosk)* 56(8):65-70, Aug 78 (Eng. Abstr.) (Rus)

[Mineralocorticoid function of the adrenal cortex and the renin-angiotensin system in Itsenko-Cushing's disease] Slavnov VN, et al. *Probl Endokrinol (Mosk)* 24(5):39-44, Sep-Oct 78 (Eng. Abstr.) (Rus)

### RADIOGRAPHY

The diagnostic significance of the various radiological examinations in adrenal disease. Sasaki T. *Nippon Igaku Hoshasen Gakkai Zasshi* 38(5):416-22, 25 May 78

### RADIONUCLIDE IMAGING

The diagnostic significance of the various radiological examinations in adrenal disease. Sasaki T. *Nippon Igaku Hoshasen Gakkai Zasshi* 38(5):416-22, 25 May 78

[A case of Cushing's syndrome due to adrenal carcinoma (author's transl)] Nakajo M, et al. *Rinsho Hoshasen* 23(9):977-80, Sep 78 (Eng. Abstr.) (Jpn)

### RADIOTHERAPY

Critique of article by Aristizabal et al [letter] Rider WD. *Int J Radiat Oncol Biol Phys* 4(5-6):543, May-Jun 78

### SURGERY

Delayed cure of Cushing's disease after transsphenoidal surgery of pituitary microadenomas. Report of two cases. McDonald SD, et al. *J Neurosurg* 49(4):593-6, Oct 78

Surgical management of Cushing's syndrome. Delaney JP, et al. *Surgery* 84(4):465-70, Oct 78

[Anesthesia and postoperative management in surgery for adrenal cortex neoplasms in children. Apropos of 24 cases] Dubousset AM, et al. *Anesth Analg (Paris)* 35(2):279-85, Mar-Apr 78 (Fre)

[Complications following treatment of ACTH-dependent Cushing's disease] Landau B, et al. *Harefuah* 95(2):77-8, 16 Jul 78 (Eng. Abstr.) (Heb)

[Patient management after bilateral total adrenalectomy] Butrova SA, et al. *Probl Endokrinol (Mosk)* 24(5):54-5, Sep-Oct 78 (Rus)

### THERAPY

Cushing's syndrome. Liddle GW. *Ann NY Acad Sci* 297:594-602, 28 Oct 77

[Complications following treatment of ACTH-dependent Cushing's disease] Landau B, et al. *Harefuah* 95(2):77-8, 16 Jul 78 (Eng. Abstr.) (Heb)

[Treatment of Cushing's disease] Shimizu N. *Nippon Rinsho Suppl*:1538-9, May 78 (Jpn)

[Complications following adrenalectomy] Przybyszowski A, et al. *Pol Przegl Chir* 50(5):363-8, May 78 (Eng. Abstr.) (Pol)

### VETERINARY

Cushing's syndrome due to adrenocortical adenoma in a cat. Meijer JC, et al. *Tijdschr Diergeneesk* 103(20):1048-51, 15 Oct 78

## ADRENAL

## HYPERALDOSTERONISM

[Bartter's syndrome (editorial)] Etzioni A, et al. *Harefuah* 95(1):38-9, 2 Jul 78 (Heb)

[Bartter's syndrome—abnormal prostaglandin production] Kono T. *Nippon Rinsho Suppl*:1530-1, May 78 (Jpn)

### BLOOD

Adrenocorticotropin and plasma aldosterone concentration and deoxycorticosterone in man. Biglieri EG, et al. *Ann NY Acad Sci* 297:361-72, 28 Oct 77

[The effect of cortisol infusion on plasma renin activity, aldosterone levels and 11-deoxycorticosterone levels in humans (author's transl)] Sugawara T. *Nippon Naibunpi Gakkai Zasshi* 54(5):710-8, 20 May 78 (Eng. Abstr.) (Jpn)

### CHEMICALLY INDUCED

[Aldosteronism after hypokalemia in diuretic therapy of systemic arterial hypertension] Sánchez Torres G, et al. *Arch Inst Cardiol Mex* 48(4):853-70, Jul-Aug 78 (Eng. Abstr.) (Spa)

### COMPLICATIONS

Hypertension induced by adrenocortical dysfunction—hypertension in 17 alpha-hydroxylase deficiency and metopirone-induced hypertension. Saruta T, et al. *Jpn Circ J* 42(5):621-31, May 78

[Cystinosis. Description of a case with hyperaldosteronism] Calandi C, et al. *Minerva Pediatr* 30(20):1611-20, 30 Oct 78 (Eng. Abstr.) (Ita)

[A case of hypokalemic myopathy in patient with primary aldosteronism and complicated with thyroid cancer (author's transl)] Ishikawa S, et al. *Rinsho Shinkeigaku* 18(8):455-61, Aug 78 (Eng. Abstr.) (Jpn)

[Livedo reticularis and primary adenomatous aldosteronism] Micić R, et al. *Srp Arh Celok Lek* 105(11):975-83, Nov 77 (Eng. Abstr.) (See)

[Chronic arterial hypertension in children (pathogenic mechanisms and treatment of the main causes of chronic arterial hypertension in children)] Norero C, et al. *Rev Chil Pediatr* 48(1):46-52, Jan-Feb 77 (Eng. Abstr.) (Spa)

### DIAGNOSIS

Hypokalemia—cause and treatment. *Heart Lung* 7(5):854-60, Sep-Oct 78

The adrenal cortex. Milne FJ. *S Afr Med J* 53(24):969-74, 14 Jun 78

[Primary aldosteronism and analogous diseases] Fukuchi S. *Nippon Rinsho Suppl*:1578-9, May 78 (Jpn)

[Renin-angiotensin-aldosterone system (author's transl)] Hama H, et al. *Rinsho Byori* 26(6):487-92, Jun 78 (Jpn)

[Aldosteronism after hypokalemia in diuretic therapy of systemic arterial hypertension] Sánchez Torres G, et al. *Arch Inst Cardiol Mex* 48(4):853-70, Jul-Aug 78 (Eng. Abstr.) (Spa)

### DRUG THERAPY

Bartter's syndrome without hyperplasia of the juxtaglomerular apparatus, treated with indomethacin. Kornerup HJ, et al. *Acta Med Scand* 204(3):235-9, 1978

Control of plasma aldosterone in a patient with Conn's syndrome before and during spironolactone medication. Vetter H, et al. *Klin Wochenschr* 53(8):391-3, 15 Apr 75

[Anesthesia-intensive care in surgery for Conn's syndrome] du Gres B, et al. *Anesth Analg (Paris)* 35(2):263-7, Mar-Apr 78 (Fre)

[Bartter's syndrome—abnormal prostaglandin production] Kono T. *Nippon Rinsho Suppl*:1530-1, May 78 (Jpn)

[Chronic arterial hypertension in children (pathogenic mechanisms and treatment of the main causes of chronic arterial hypertension in children)] Norero C, et al. *Rev Chil Pediatr* 48(1):46-52, Jan-Feb 77 (Eng. Abstr.) (Spa)

[Indomethacin in Bartter's syndrome] Valles M, et al. *Rev Clin Esp* 149(6):601-5, 30 Jun 78 (Spa)

### ETIOLOGY

[A case of Bartter's syndrome with special reference to the pathogenesis (author's transl)] Sasaki H, et al. *Nippon Naika Gakkai Zasshi* 66(2):193-204, 10 Feb 77 (Jpn)



## METABOLISM

[Bartter's syndrome—abnormal prostaglandin production]  
Kono T. *Nippon Rinsho Suppl*:1530-1, May 78 (Jpn)

## PHYSIOPATHOLOGY

Evidence for a prostaglandin-independent defect in chloride reabsorption in the loop of Henle as a proximal cause of Bartter's syndrome. Gill JR Jr, et al. *Am J Med* 65(5):766-72, Nov 78

[A case of Bartter's syndrome presenting unusual features (author's transl)] Saku A, et al.  
*Nippon Naika Gakkai Zasshi* 67(8):860-7, 10 Aug 78 (Jpn)

## RADIOGRAPHY

The diagnostic significance of the various radiological examinations in adrenal disease. Sasaki T.  
*Nippon Igaku Hoshasen Gakkai Zasshi* 38(5):416-22, 25 May 78

## RADIONUCLIDE IMAGING

The diagnostic significance of the various radiological examinations in adrenal disease. Sasaki T.  
*Nippon Igaku Hoshasen Gakkai Zasshi* 38(5):416-22, 25 May 78

[Adrenal scintigraphy in the patients with primary aldosteronism: localizing and differential diagnosis by dexamethasone suppression scintigraphy (author's transl)]  
Fukunaga M, et al. *Kaku Igaku* 15(4):545-51, Jun 78 (Eng. Abstr.) (Jpn)

## SURGERY

The adrenal cortex. Milne FJ. *S Afr Med J* 53(24):969-74, 14 Jun 78  
[Anesthesia-intensive care in surgery for Conn's syndrome]  
du Gres B, et al. *Anesth Analg (Paris)* 35(2):263-7, Mar-Apr 78 (Fre)

# ADRENAL

## III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs

### ADRENAL CORTEX HORMONES

Properties of an adrenal cytochrome P-450 (P-45011beta) for the hydroxylations of corticosteroids. Sato H, et al. *Arch Biochem Biophys* 190(1):307-14, Sep 78

#### ADMINISTRATION & DOSAGE

Higher corticosterone values at a fixed single timepoint in serum from mice 'trained' by prior handling. Smolensky MH, et al. *Chronobiologia* 5(1):1-13, Jan-Mar 78

Conductivity of drugs used for iontophoresis. Gangarosa LP, et al. *J Pharm Sci* 67(10):1439-43, Oct 78

Intrasynovial therapy with adreno-corticosteroid esters. McCarty DJ. *Wis Med J* 77(8):S75-6, Aug 78

[Use of corticosteroids in pediatrics, especially in children with congenital adrenal cortex hyperplasia (adrenogenital syndrome)] Visser HK. *Ned Tijdschr Geneesk* 122(38):1406-10, 23 Sep 78 (Dut)

[Iatrogenic aseptic necrosis of bone] Dezsó S. *Orv Hetil* 119(42):2553-6, 15 Oct 78 (Hun)

[Classification of corticosteroid drugs for dermatologic use] Agrup G, et al. *Tidsskr Nor Laegeforen* 98(25):1203-4, 10 Sep 78 (Eng. Abstr.) (Nor)

[Diagnosis and treatment of olfactory disorders] Kitsera AE. *Vestn Otorinolaringol* (5):48-52, Sep-Oct 78 (Eng. Abstr.) (Rus)

[Use of corticosteroids in rheumatology (author's transl)] Diaz-Jouanen E, et al. *Rev Invest Clin* 30(3):311-8, Jul-Sep 78 (Eng. Abstr.) (Spa)

#### ADVERSE EFFECTS

Secondary mania: manic syndromes associated with antecedent physical illness or drugs. Krauthammer C, et al. *Arch Gen Psychiatry* 35(11):1333-9, Nov 78

Aseptic necrosis of bone [letter] Eisenstadt HB. *Arch Intern Med* 138(10):1580, Oct 78

Reiter's syndrome, immunodepression and strongyloidiasis. Report of a fatal case. Jaramillo D, et al. *J Cutan Pathol* 5(4):200-8, Aug 78

[Drug-induced depression] Löö H, et al. *Rev Prat* 28(39):2989-94, 11 Sep 78 (Eng. Abstr.) (Fre)

[Results of surgical treatment of femur head epiphysiolysis] Münzenberg KJ, et al. *Z Orthop* 116(4):579-80, Aug 78 (Ger)

[Iatrogenic aseptic necrosis of bone] Dezsó S. *Orv Hetil* 119(42):2553-6, 15 Oct 78 (Hun)

[Chronic hepatitis—effects of adrenal cortex steroids] Suzuki H. *Nippon Rinsho Suppl*:2164-5, May 78 (Jpn)

[Systemic lupus erythematosus and necrotizing pancreatitis] Schweller OG, et al. *AMB* 24(6):205-6, Jun 78 (Eng. Abstr.) (Por)

[Pathogenesis of perioral dermatitis] Arievich AM, et al. *Vestn Dermatol Venerol* (9):62-6, Sep 78 (Eng. Abstr.) (Rus)

[Side effects and complications of the local corticosteroid therapy of dermatoses] Ivanov NA. *Vestn Dermatol Venerol* (10):27-31, Oct 78 (Rus)

[Functional and morphological changes in the liver during intravenous chemohormonotherapy] Kniazhetskaia EI. *Vrach Delo* (9):67-9, Sep 78 (Eng. Abstr.) (Rus)

[Etiopathogenic advances in peptic ulcer. III. The broken mucosal barrier; the ambient terrain] Herrerias JM, et al. *Rev Esp Enferm Apar Dig* 53(4):469-74, 15 May 78 (Eng. Abstr.) (Spa)

[Use of corticosteroids in rheumatology (author's transl)] Diaz-Jouanen E, et al. *Rev Invest Clin* 30(3):311-8, Jul-Sep 78 (Eng. Abstr.) (Spa)

#### ANALYSIS

Hypertension due to 17alpha-hydroxylase deficiency. Wang C, et al. *Aust NZ J Med* 8(3):295-9, Jun 78

#### ANTAGONISTS & INHIBITORS

Aminoglutethimide in treatment of metastatic breast carcinoma. Smith IE, et al. *Lancet* 2(8091):646-9, 23 Sep 78

### BIOSYNTHESIS

Effect of ACTH on cytochrome P450 systems of the adrenal cortex. Brownie AC, et al. *Ann NY Acad Sci* 297:349-60, 28 Oct 77

ACTH action on adrenal steroidogenesis. Koritz SB, et al. *Ann NY Acad Sci* 297:329-35, 28 Oct 77

Mode of action of peptide hormones. Neher R, et al. *Clin Endocrinol (Oxf)* 5 Suppl:29S-39S, 1976

Evidence of the in vitro formation of cortisol by the adrenal gland of embryonic and young chickens (*Gallus domesticus*). Nakamura T, et al. *Gen Comp Endocrinol* 35(3):302-8, Jul 78

Aminoglutethimide in treatment of metastatic breast carcinoma. Smith IE, et al. *Lancet* 2(8091):646-9, 23 Sep 78

Application of the Sousa (John Phillip) principles to medical research: the role of cyclic nucleotides in hormone and drug action. Bransome ED Jr. *Trans Am Clin Climatol Assoc* 89:172-83, 1977 (47 ref.)

[Antialdosterones and enzymes of the adrenal gland] Aupetit B, et al. *Arch Mal Coeur* 71 Spec No:53-9, Jul 78 (Eng. Abstr.) (Fre)

### BLOOD

Regulation of circadian periodicity of plasma ACTH levels. Krieger DT. *Ann NY Acad Sci* 297:561-7, 28 Oct 77

Electrical activity of hypothalamus during activation of pituitary-adrenocortical system. Filaretov AA, et al. *Brain Res* 156(1):67-74, 3 Nov 78

A sequential study of adrenocorticosteroid level in human pregnancy. Wintour EM, et al. *Clin Exp Pharmacol Physiol* 5(4):399-403, Jul-Aug 78

Concentrations of certain hormones in the blood of human males subjected to steady-state noise. pp. 270-3. Favino A.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.

Annual endocrine rhythms in healthy young adult men: their implication in human biology and medicine. pp. 113-21. Reinberg A, et al.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.

Partial inhibition of castration induced ventral prostate regression with actinomycin D and cycloheximide. Stanisic T, et al. *Invest Urol* 16(1):19-22, Jul 78

Studies of microhigh-performance liquid chromatography. IV. Application of the micro pre-column method to the analysis of corticosteroids in serum. Ishii D, et al. *J Chromatogr* 156(1):173-80, 21 Aug 78

Failure to detect an effect of prolactin on pulmonary surfactant and adrenal steroids in fetal sheep and rabbits. Ballard PL, et al. *J Clin Invest* 62(4):879-83, Oct 78

Foetal and maternal plasma concentrations of 13, 14-dihydro-15-oxo-prostaglandin F in the mare during late pregnancy and at parturition. Barnes RJ, et al. *J Endocrinol* 78(2):201-15, Aug 78

The psychobiology of premenstrual dysphoria: the role of prolactin. Carroll BJ, et al. *Psychoneuroendocrinology* 3(2):171-80, Apr 78

[Demonstration of pineal gland and pituitary involution in mice poisoned with carbon tetrachloride] Legait H, et al. *C R Soc Biol (Paris)* 172(2):289-92, 1978 (Eng. Abstr.) (Fre)

[Adrenal hormones and hemodynamics in experimental traumatic shock] Usvatova Ila, et al. *Patol Fiziol Eksp Ter* (4):9-15, Jul-Aug 78 (Eng. Abstr.) (Rus)

### CLASSIFICATION

[Classification of corticosteroid drugs for dermatologic use] Agrup G, et al. *Tidsskr Nor Laegeforen* 98(25):1203-4, 10 Sep 78 (Eng. Abstr.) (Nor)

### METABOLISM

Thermal activation of steroid binding principle in commercial bovine serum albumin. Agarwal MK, et al. *FEBS Lett* 93(1):129-32, 1 Sep 78

Steroid 17-hydroxylation and androgen production by



- incubated rat adrenal tissue. Vinson GP, et al.  
*J Steroid Biochem* 9(7):677-83, Jul 78
- Corticosteroid production in vitro by adrenal tissue from rats with inherited hypothalamic diabetes insipidus (Brattleboro strain). Vinson GP, et al. *J Steroid Biochem* 9(7):657-65, Jul 78
- Role of brain monoamines and histamine in regulation of anterior pituitary secretion. Weiner RI, et al.  
*Physiol Rev* 58(4):905-76, Oct 78 (509 ref.)
- Corticosteroid receptors in the avian kidney. Charest-Boulé L, et al. *Steroids* 32(1):109-26, Jul-Aug 78
- [Anorexia nervosa: disturbed endocrine regulation] Krans HM. *Ned Tijdschr Geneesk* 122(40):1531-3, 7 Oct 78 (Dut)
- [Thyroid and hypophyseal steroid secretion in hydatidiform mole] Decocq J, et al.  
*J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):744-6, Apr 78 (Fre)
- ['System of recognition' (or 'system of preference') for corticosteroids in the hepatocyte plasmatic membrane] Sergeev PV, et al. *Farmakol Toksikol* 41(5):597-601, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Liver and arterial hypertension] Rojo-Ortega JM, et al.  
*Rev Clin Esp* 149(5):419-22, 15 Jun 78 (Spa)

## PHARMACODYNAMICS

- Glucocorticoid receptors in the guinea pig. Hodgson AJ, et al. *Am J Physiol* 235(3):R115-20, Sep 78
- The permissive effect of cortical steroids on the induction of brain ornithine decarboxylase by nerve growth factor. Ikeno T, et al. *Biochem Biophys Res Commun* 82(3):957-63, 14 Jun 78
- Effect of glucocorticoid hormones in vitro on the structural integrity of nuclei in corticosteroid-sensitive and -resistant lines of lymphosarcoma P1798. Nicholson ML, et al.  
*Cancer Res* 38(11 Pt 1):3673-80, Nov 78
- Effect of corticosteroids on committed lymphocytes. Ramer SJ, et al. *Clin Exp Immunol* 32(3):545-53, Jun 78
- Brain 5-hydroxytryptamine metabolism: adaptive changes after long-term administration of psychotropic drugs. Rastogi RB, et al. *Gen Pharmacol* 9(5):307-14, 1978 (72 ref.)
- Hemodynamic alterations in isoproterenol-induced cardiac arrhythmias in corticoid-treated rats. Barletta MA, et al.  
*J Pharm Sci* 67(10):1390-4, Oct 78
- Sensitivity of corticosteroid-dependent insulin-resistant lipogenesis in marrow preadipocytes of obese-diabetic (db/db) mice. Greenberger JS. *Nature* 275(5682):752-4, 26 Oct 78
- Comparison of the effector cells in human spontaneous cellular cytotoxicity and antibody-dependent cellular cytotoxicity: differential sensitivity of effector cells in vivo and in vitro corticosteroids. Parrillo JE, et al. *Scand J Immunol* 8(2):99-107, 1978
- [Hypothalamic sensitivity to corticosteroids in the late period after irradiation] Prokudina EA. *Radiobiologija* 18(4):624-7, Jul-Aug 78 (Eng. Abstr.) (Rus)

## PHYSIOLOGY

- Adrenal steroid feedback on neuroendocrine tissues. McEwen BS. *Ann NY Acad Sci* 297:568-79, 28 Oct 77
- Some aspects of corticosteroid feedback actions. Smelik PG. *Ann NY Acad Sci* 297:580-90, 28 Oct 77
- Corticosteroid involvement in the changes in noradrenergic responsiveness of tissues from rats made hypertensive by short-term isolation. Bennett T, et al. *Br J Pharmacol* 64(1):129-36, Sep 78
- Feedback and facilitation in the adrenocortical system and the endocrine responses to repeated stimuli. pp. 252-9. Dallman MF, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Endocrine responses to malnutrition in animals with special reference to metabolic hormones. pp. 313-20. Leatham J.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Endocrine responses to elevated ambient pressure. pp. 276-82. Wehl AC.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- [The onset of labour. A reminder of its physiology (author's transl)] Lerat MF. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):702-11, Apr 78 (Eng. Abstr.) (Fre)

## THERAPEUTIC USE

- Pregnancy in a case of Nelson's syndrome. Leiba S, et al.  
*Acta Obstet Gynecol Scand* 57(4):373-5, 1978

- Osteoporosis: effects of calcium. Albanese AA, et al.  
*Am Fam Physician* 18(4):160-7, Oct 78
- Herpes zoster at the NIH: a 20 year experience. Mazur MH, et al. *Am J Med* 65(5):738-44, Nov 78
- Localized amyloidosis of the lower respiratory tract. Rubinow A, et al. *Am Rev Respir Dis* 118(3):603-11, Sep 78
- Angiosarcoma with pulmonary siderosis and persistent reticulocytosis. Steroid responsiveness suggests an immune basis. Rajdev N, et al. *Arch Intern Med* 138(10):1549-51, Oct 78
- The management of rheumatoid arthritis. Edmonds J.  
*Aust Fam Physician* 7(8):925-35, Aug 78
- Plasma cell leukemia (PCL): A report on 15 patients. Woodruff RK, et al. *Blood* 52(4):839-45, Oct 78
- Dermatology: psoriasis. Hardie RA, et al. *Br J Hosp Med* 20(1):13-23, Jul 78
- The preleukemic syndrome (hemopoietic dysplasia). Linman JW, et al. *Cancer* 42(2 Suppl):854-64, Aug 78 (43 ref.)
- Diffuse hair loss in women. Bergfeld WF. *Cutis* 22(2):190-5, Aug 78
- Adrenalectomy for palliation of metastatic breast cancer. Dao TL. *Int J Radiat Oncol Biol Phys* 4(5-6):473-6, May-Jun 78
- New role of endocrine therapy in breast cancer. Kennedy BJ. *Int J Radiat Oncol Biol Phys* 4(5-6):469-72, May-Jun 78
- Herpetic keratitis. Proctor Lecture. Kaufman HE.  
*Invest Ophthalmol Vis Sci* 17(10):941-57, Oct 78 (49 ref.)
- Management of salmonellosis in neonatal calves. Amstutz HE.  
*J Am Vet Med Assoc* 173(5 Pt 2):608-9, 1 Sep 78
- Chronic active hepatitis in the dog. Strombeck DR, et al.  
*J Am Vet Med Assoc* 173(4):380-6, 15 Aug 78
- Reiter's syndrome, immunodepression and strongyloidiasis. Report of a fatal case. Jaramillo D, et al.  
*J Cutan Pathol* 5(4):200-8, Aug 78
- Chronic hepatitis. Bedard CK, et al. *J Kans Med Soc* 79(9):516-9, Sep 78
- Attitudes toward respiratory illness and hospitalization in asthma. Relationships with personality, symptomatology, and treatment response. Staudenmayer H, et al.  
*J Nerv Ment Dis* 166(9):624-34, Sep 78
- Antimicrobial therapy in infants and children. Part II. Therapy of infectious conditions. McCracken GH Jr, et al.  
*J Pediatr* 93(3):357-77, Sep 78 (41 ref.)
- Vascular reactive diseases. Caputo RV, et al.  
*Major Probl Clin Pediatr* 19:404-32, 1978 (165 ref.)
- Lupus erythematosus. Furey NL, et al.  
*Major Probl Clin Pediatr* 19:367-403, 1978 (254 ref.)
- Post-traumatic adult respiratory distress syndrome. Amato JJ, et al. *Orthop Clin North Am* 9(3):693-713, Jul 78
- Fat embolism: current concepts of pathogenesis, diagnosis, and treatment. Oh WH, et al. *Orthop Clin North Am* 9(3):769-79, Jul 78 (43 ref.)
- Severe aortic incompetence caused by systemic lupus erythematosus. A case report. Thandroyen FT, et al.  
*S Afr Med J* 54(4):166-8, 22 Jul 78
- Chronic myelocytic leukemia in a young renal allografted patient. Stein AM, et al. *Transplantation* 26(4):271-3, Oct 78
- Intrasyovial therapy with adreno-corticosteroid esters. McCarty DJ. *Wis Med J* 77(8):S75-6, Aug 78
- [Modern concepts of shock caused by Gram-negative microorganisms] Trifonov D, et al. *Khirurgia (Sofia)* 31(3):242-8, 1978 (Bul)
- [Use of corticosteroids in pediatrics, especially in children with congenital adrenal cortex hyperplasia (adrenogenital syndrome)] Visser HK. *Ned Tijdschr Geneesk* 122(38):1406-10, 23 Sep 78 (Dut)
- [Serum angiotensin converting enzyme (ACE) activity in sarcoidosis] Grönhagen-Riska C, et al. *Duodecim* 94(19):1150-7, 1978 (Eng. Abstr.) (Fin)
- [Anesthetic technics and perioperative problems in pituitary gland surgery] Krivosic-Horber R, et al.  
*Anesth Analg (Paris)* 35(2):295-9, Mar-Apr 78 (Fre)
- [Orbital sarcoidosis (author's transl)] François J, et al.  
*J Fr Ophtalmol* 1(6-7):461-4, Jun-Jul 78 (Eng. Abstr.) (Fre)
- [Idiopathic facial paralysis and facial paralysis due to herpes zoster (follow-up and therapeutic indications)] Fleury P, et al. *Rev Laryngol Otol Rhinol (Bord)* 99(5-6):307-22, May-Jun 78 (Eng. Abstr.) (Fre)
- [Löfgren's syndrome (letter)] Wurm K.  
*Dtsch Med Wochenschr* 103(38):1472, 22 Sep 78 (Ger)
- [Polymyalgia arteriitica] Miehle W. *Fortschr Med* 96(37):1836-42, 5 Oct 78 (Eng. Abstr.) (Ger)
- [Unusual cold water and cold air contact hypersensitivity with reflex-like erythema formation] Petres J, et al. *Hautarzt* 29(8):420-4, Aug 78 (Ger)
- [Interstitial lung diseases of unknown etiology] Meier-Sydow J, et al. *Prax Klin Pneumol* 32(10):631-54, Oct 78 (84 ref.)



- (Ger)  
[Desquamative interstitial pneumonia. Peripheral eosinophilia in DIP: a new clinical aspect (author's transl)] Rubin R, et al. *Prax Klin Pneumol* 32(9):598-612, Sep 78 (49 ref.) (Eng. Abstr.) (Ger)  
[Chronic hepatitis: when and how to treat? (author's transl)] Paumgartner G. *Ther Umsch* 35(9):716-20, Sep 78 (35 ref.) (Eng. Abstr.) (Ger)  
[Immunological studies in drug allergy] Mészáros C, et al. *Z Hautkr* 53(18):638-40, 15 Sep 78 (Ger)  
[Chronic eosinophilic pneumonia] Glanz I, et al. *Harefuah* 95(2):66-9, 16 Jul 78 (Eng. Abstr.) (Heb)  
[Current criteria of treatment of angiomas] Scuderi N, et al. *Chir Ital* 30(5):569-74, Oct 78 (Eng. Abstr.) (Ita)  
[Polymorphous juvenile acne] Cerimele D, et al. *Minerva Med* 69(41):2765-71, 8 Sep 78 (Ita)  
[Chronic hepatitis—effects of adrenal cortex steroids] Suzuki H. *Nippon Rinsho Suppl*:2164-5, May 78 (Jpn)  
[First clinical experiences with high doses of adrenal steroids in the treatment of acute myocardial infarct] Kraska T, et al. *Kardiol Pol* 21(4):293-9, 1978 (Eng. Abstr.) (Pol)  
[Results of treatment of autoimmune hemolytic anemias] Zupańska B, et al. *Pol Tyg Lek* 33(26):1021-4, 26 Jun 78 (Eng. Abstr.) (Pol)  
[Systemic lupus erythematosus and necrotizing pancreatitis] Schweller OG, et al. *AMB* 24(6):205-6, Jun 78 (Eng. Abstr.) (Por)  
[Angitis caused by drugs: a warning] Stabel Neto O, et al. *AMB* 24(5):150-1, May 78 (Eng. Abstr.) (Por)  
[Phosphorus and calcium metabolism disorders in gastrectomized patients] Puşcaş I. *Rev Med Interna [Med Interna]* 30(4):289-98, Jul-Aug 78 (30 ref.) (Rum)  
[Clinical effectiveness of prednisolone therapy in a controlled study and the procedural questions of using corticosteroids in serum hepatitis] Matveev AA, et al. *Ter Arkh* 50(10):72-6, 1978 (Eng. Abstr.) (Rus)  
[Clinical evaluation of immunoglobulins in dermatoses] Butov IuS. *Vestn Dermatol Venerol* (8):82-5, Aug 78 (Eng. Abstr.) (Rus)  
[Therapy of chronic lupus erythematosus (late results)] Levkovskii NM. *Vestn Dermatol Venerol* (10):68-71, Oct 78 (Rus)  
[Current clinical aspects of bronchial asthma in children] Kaganov SI. *Vopr Okhr Materin Det* 23(10):19-24, Oct 78 (Rus)  
[Comprehensive treatment of pulmonary tuberculosis in old age] Iashchenko BP, et al. *Vrach Delo* (8):106-9, 1978 (Eng. Abstr.) (Rus)  
[Psychotic condition following sudden termination of steroid therapy] Hlaučo S, et al. *Vnitr Lek* 24(9):924-8, Sep 78 (Eng. Abstr.) (Slo)  
[Diagnosis and treatment of bronchiolitis (author's transl)] Frontera-Izquierdo P, et al. *An Esp Pediatr* 11(5):355-64, May 78 (Eng. Abstr.) (Spa)  
[Chronic hepatitis. Diagnosis, therapy and prognosis] Lundbergh P. *Lakartidningen* 75(42):3783-5, 18 Oct 78 (Eng. Abstr.) (Swe)

## ALDOSTERONE

## ANALOGS &amp; DERIVATIVES

- [Mineralocorticoid function of the adrenal cortex and the renin-angiotensin system in Itsenko-Cushing's disease] Slavnov VN, et al. *Probl Endokrinol (Mosk)* 24(5):39-44, Sep-Oct 78 (Eng. Abstr.) (Rus)

## ANALYSIS

- [Determination of aldosterone in urine and plasma (author's transl)] Herkner K, et al. *J Chromatogr* 146(2):273-81, 1 Sep 78 (Eng. Abstr.) (Ger)  
[Aldosteronism after hypokalemia in diuretic therapy of systemic arterial hypertension] Sánchez Torres G, et al. *Arch Inst Cardiol Mex* 48(4):853-70, Jul-Aug 78 (Eng. Abstr.) (Spa)

## BIOSYNTHESIS

- Angiotensin stimulates cortisol biosynthesis in human adrenal cells in vitro. McKenna TJ, et al. *Steroids* 32(1):127-36, Jul-Aug 78  
[Changes in the functional state and ultrastructure of the cells of the zona glomerulosa of the rat adrenal cortex under prolonged immobilization stress] Gordienko VM, et al. *Probl Endokrinol (Mosk)* 24(5):91-6, Sep-Oct 78 (Eng. Abstr.) (Rus)

## BLOOD

- Role of angiotensin III in the regulation of blood pressure, plasma aldosterone and plasma renin activity in rabbit. Saito I, et al. *Acta Endocrinol (Copenh)* 89(1):132-41, Sep 78  
Influence of sodium intake on hydrochlorothiazide-induced changes in blood pressure, serum electrolytes, renin and aldosterone in essential hypertension. van Brummelen P, et al. *Acta Med Scand* 204(3):151-7, 1978  
Desoxycorticosterone in normal pregnancy. I. Sequential studies of the secretory patterns of desoxycorticosterone, aldosterone, and cortisol. Nolten WE, et al. *Am J Obstet Gynecol* 132(4):414-20, 15 Oct 78  
Effect of the specific angiotensin antagonist (Sar1) (Ala8) angiotensin II on blood pressure and the renin-angiotensin system in the conscious pregnant ewe and fetus. Pipkin FB, et al. *Am J Obstet Gynecol* 132(1):7-15, 1 Sep 78  
Adrenocorticotropin and plasma aldosterone concentration and desoxycorticosterone in man. Biglieri EG, et al. *Ann NY Acad Sci* 297:361-72, 28 Oct 77  
Effect of endotoxic shock on renal and hormonal functions. Oyama T, et al. *Can Anaesth Soc J* 25(5):380-91, Sep 78  
Suppressor angiotensin infusion, renal sodium handling, and salt-induced hypertension in the dog. DeClue JW, et al. *Circ Res* 43(4):503-12, Oct 78  
Direct non-chromatographic radioimmunoassay of aldosterone: validation of a commercially available kit and observations on age-related changes in concentrations in plasma. Tan SY, et al. *Clin Chem* 24(9):1531-3, Sep 78  
Bromocriptine: lack of effect on the angiotensin II and aldosterone responses to sodium deprivation. Semple PF, et al. *Clin Endocrinol (Oxf)* 9(2):155-61, Aug 78  
Effect of angiotensin II and of an angiotensin II analogue (Sar1-Ile8-angiotensin II) on blood pressure, plasma aldosterone and plasma renin activity in the dog. Beckerhoff R, et al. *Clin Sci Mol Med* 48 Suppl 2:41s-44s, Jun 75  
The use of angiotensin-converting enzyme inhibitor in the diagnosis and treatment of hypertension. Gavras H, et al. *Clin Sci Mol Med* 48 Suppl 2:57s-60s, Jun 75  
The role of the renin-angiotensin-aldosterone system in cardiovascular homeostasis in normal man. Haber E, et al. *Clin Sci Mol Med* 48 Suppl 2:49s-52s, Jun 75  
Anti-hypertensive adrenergic-blocking agents: effects on sodium balance, the renin-angiotensin system and haemodynamics. Safar ME, et al. *Clin Sci Mol Med* 48 Suppl 2:93s-95s, Jun 75  
Effects of l-sar-8-ala-angiotensin II on arterial pressure, renin and aldosterone in hypertension. Fagard R, et al. *Contrib Nephrol* 11:175-8, 1978  
Plasma levels of 18-hydroxy-11-deoxycorticosterone in essential hypertension. Honda M, et al. *Endocrinol Jpn* 25(3):237-43, Jun 78  
Regulation of plasma aldosterone by glucose-induced paradoxical hyperkalemia in the presence of suppressed renin-angiotensin system. Radó JP. *Endokrinologie* 72(1):51-6, Apr 78  
The endocrine component of human adaptation to cold and heat. pp. 294-301. Collins KJ.  
In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
Control of plasma aldosterone in a patient with Conn's syndrome before and during spironolactone medication. Vetter H, et al. *Klin Wochenschr* 53(8):391-3, 15 Apr 75  
The manifestations, aetiology and assessment of ethanol-induced hangover. Anylian GH, et al. *S Afr Med J* 54(5):193-8, 29 Jul 78 (44 ref.)  
Aldosterone in primary hypertension relationship to plasma renin activity and urinary electrolytes and a comparison with normotensive subjects. Tolagen K.  
*Scand J Clin Lab Invest* 38(5):487-93, Sep 78  
[Biochemical basis for the study of steroid hormones (proceedings)] Degrelle H. *Ann Biol Clin (Paris)* 36(3):168-71, 1978 (Fre)  
[Determination of aldosterone in urine and plasma (author's transl)] Herkner K, et al. *J Chromatogr* 146(2):273-81, 1 Sep 78 (Eng. Abstr.) (Ger)  
[The effect of acute liver damage on inactivation of renin and aldosterone (author's transl)] Sonnenberg A, et al. *Z Gastroenterol* 16(10):652-6, Oct 78 (Eng. Abstr.) (Ger)  
[Effects of endotoxin shock on endocrine system and renal function in dogs (author's transl)] Kondo S. *Masui* 27(10):1036-46, Oct 78 (Eng. Abstr.) (Jpn)  
[Effect of steroids on hormones and renal function in endotoxin shock (author's transl)] Satoh Y. *Masui* 27(9):918-28, Sep 78 (Eng. Abstr.) (Jpn)  
[Effect of dopamine on renal and endocrine functions during canine endotoxin shock (author's transl)] Wakayama S. *Masui* 27(7):684-93, Jul 78 (Eng. Abstr.) (Jpn)  
[The effect of cortisol infusion on plasma renin activity, aldosterone levels and 11-deoxycorticosterone levels in



## ADRENAL

## ALDOSTERONE

humans [author's transl] Sugawara T.

*Nippon Nihunpi Gakkai Zasshi* 54(5):710-8, 20 May 78  
(Eng. Abstr.) (Jpn)

[A case of Bartter's syndrome with special reference to the pathogenesis (author's transl)] Sasaki H, et al.  
*Nippon Naika Gakkai Zasshi* 66(2):193-204, 10 Feb 77

(Jpn)  
[Changes in the functional state and ultrastructure of the cells of the zona glomerulosa of the rat adrenal cortex under prolonged immobilization stress] Gordienko VM, et al.  
*Probl Endokrinol (Mosk)* 24(5):91-6, Sep-Oct 78 (Eng. Abstr.) (Rus)

[Mineralocorticoid function of the adrenal cortex and the renin-angiotensin system in Itsenko-Cushing's disease] Slavnov VN, et al. *Probl Endokrinol (Mosk)* 24(5):39-44, Sep-Oct 78 (Eng. Abstr.) (Rus)

[Activity of adrenal hormones and kallikrein-kinin blood system in acute disorders of the heart rhythm in patients with myocardial infarct] Golikov AP, et al. *Sov Med* (9):62-7, Sep 78 (Eng. Abstr.) (Rus)

[Individual renal blood flow and activity of the renin-aldosterone system in patients with renovascular hypertension and hypertensive disease] Kutsenko AI, et al. *Vestn Akad Med Nauk SSSR* (10):82-9, 1978 (Eng. Abstr.) (Rus)

### DEFICIENCY

Unexplained hyperkalemia may signal renin-aldosterone defect [news] *Hosp Pract* 13(6):49, 51, Jun 78

### ISOLATION & PURIFICATION

Convenient system for the simultaneous separation of 11-deoxycortisol and aldosterone by Sephadex LH-20 multiple column chromatography. Sippell WG, et al.  
*J Chromatogr* 146(2):333-6, 1 Sep 78

### METABOLISM

Aldosterone receptor occupancy and sodium transport in the urinary bladder of *Bufo marinus*. Farman N, et al.  
*Am J Physiol* 235(3):C90-6, Sep 78

Binding of aldosterone to cytoplasmic and nuclear receptors of the urinary bladder epithelium of *Bufo marinus*. Kusch M, et al. *Am J Physiol* 235(3):C82-9, Sep 78

Role of renal prostaglandins in circulatory homeostasis. Staszewska-Barczak J. *Contrib Nephrol* 11:179-88, 1978

Reduction in [3H]-corticosterone binding to cytoplasmic receptors in the brain of diabetic rats. Fridman O, et al. *J Steroid Biochem* 9(7):609-14, Jul 78

Aldosterone in primary hypertension relationship to plasma renin activity and urinary electrolytes and a comparison with normotensive subjects. Tolagen K.

*Scand J Clin Lab Invest* 38(5):487-93, Sep 78  
Corticosteroid receptors in the avian kidney. Charest-Boulé L, et al. *Steroids* 32(1):109-26, Jul-Aug 78

### PHARMACODYNAMICS

The permissive effect of cortical steroids on the induction of brain ornithine decarboxylase by nerve growth factor. Ikeno T, et al. *Biochem Biophys Res Commun* 82(3):957-63, 14 Jun 78

Effects of aldosterone and deoxycorticosterone on the urinary excretion of kallikrein and of prostaglandin E-like substance in the rat. Colina-Chourio J, et al. *Contrib Nephrol* 12:126-31, 1978

Response of renal lipid metabolism to aldosterone. Kirsten R, et al. *Curr Probl Clin Biochem* 8:389-96, 23-26 Oct 77  
Channels in epithelial cell membranes and junctions. Diamond JM. *Fed Proc* 37(12):2639-43, Oct 78

Actinomycin D inhibits aldosterone-stimulated ammonia release from rat kidneys [proceedings] Snart RS.  
*J Physiol (Lond)* 281:25P-26P, Aug 78

Inhibition of dimethyl sulfoxide-stimulated Friend cell erythrodifferentiation by hydrocortisone and other steroids. Scher W, et al. *Proc Natl Acad Sci USA* 75(8):3851-5, Aug 78

[Influence of aldosterone on the responses of segments of the isolated hepatic artery to noradrenaline in the presence of pyrogallol] Bettini V, et al. *Boll Soc Ital Biol Sper* 54(4):305-9, 28 Feb 78 (Ita)

[Influence of aldosterone on responses of segments of isolated coronary artery to noradrenaline in the presence of pyrogallol] Bettini V, et al. *Boll Soc Ital Biol Sper* 54(4):315-8, 28 Feb 78 (Ita)

[Studies of pathogenesis in endotoxin shock (3), --changes of plasma catecholamine concentration (author's transl)] Ebata T, et al. *Masui* 27(7):700-4, Jul 78 (Eng. Abstr.) (Jpn)

### PHYSIOLOGY

Hormones and mammalian osmoregulation. pp. 240-50. Macfarlane WV.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (34 ref.)

Recent developments in urinary kallikrein research. Obika LF. *Life Sci* 23(8):765-73, 28 Aug 78 (102 ref.)

### SECRETION

Role of renin and aldosterone suppression in the antihypertensive mechanism of clonidine. Niarchos AP, et al. *Am J Med* 65(4):614-8, Oct 78

Inhibition of the pressor and aldosterone-releasing effects of angiotensin II. Bumpus FM, et al. *Clin Sci Mol Med* 48 Suppl 2:15s-18s, Jun 75

The second Volhard Lecture: The use of blocking agents to define the functions of the renin-angiotensin system. Davis JO. *Clin Sci Mol Med* 48 Suppl 2:3s-14s, Jun 75 (39 ref.)

Histochemical investigation of aldosterone-secreting cells adenoma of the adrenal cortex. Beskid M, et al. *Endokrinologie* 72(1):57-65, Apr 78

Control of plasma aldosterone in a patient with Conn's syndrome before and during spironolactone medication. Vetter H, et al. *Klin Wochenschr* 53(8):391-3, 15 Apr 75

Regulation of aldosterone secretion by the renin-angiotensin system during sodium restriction in rats. Aguilera G, et al. *Proc Natl Acad Sci USA* 75(8):4057-61, Aug 78

[Biochemical basis for the study of steroid hormones (proceedings)] Degrelle H. *Ann Biol Clin (Paris)* 36(3):168-71, 1978 (Fre)

[Anticipatory oro-vegetative reflexes in hydromineral and energy balance (author's transl)] Nicolaidis S.  
*J Physiol (Paris)* 74(1):1-19, 1978 (85 ref.) (Eng. Abstr.) (Fre)

[Circadian rhythms in man. Their incidence in endocrinology (author's transl)] Mainard F, et al. *Pathol Biol (Paris)* 26(5):255-64, May-Jun 78 (93 ref.) (Eng. Abstr.) (Fre)

[Regulation of the renin-angiotensin-aldosterone system. Role of the prostaglandins] Frisina N, et al. *Minerva Med* 69(42):2855-60, 15 Sep 78 (Eng. Abstr.) (Ita)

[The renin-angiotensin-aldosterone system in diabetics] Kokot F. *Pol Tyg Lek* 33(31):1235-6, 31 Jul 78 (25 ref.) (Pol)

[Mineralocorticoid function of the adrenal cortex and the renin-angiotensin system in Itsenko-Cushing's disease] Slavnov VN, et al. *Probl Endokrinol (Mosk)* 24(5):39-44, Sep-Oct 78 (Eng. Abstr.) (Rus)

### URINE

Use of diuretics in treatment of hypertension secondary to renal disease. Bank N, et al. *Arch Intern Med* 138(10):1524-9, Oct 78

Need for beta-blockade in hypertension reduced with long-term minoxidil. Brunner HR, et al. *Br Med J* 2(6134):385-8, 5 Aug 78

Antihypertensive effect of volume depletion: interrelation with renal prostaglandins. Düsing R, et al. *Contrib Nephrol* 12:41-53, 1978

Changes in urinary aldosterone excretion and plasma renin activity in response to dietary sodium chloride deprivation in man [proceedings] Gordon D, et al. *J Physiol (Lond)* 280:43P-44P, Jul 78

Implication of renal prostaglandin E in urinary sodium excretion. Yasujima M, et al. *Jpn Circ J* 42(5):565-9, May 78

Aldosterone in primary hypertension relationship to plasma renin activity and urinary electrolytes and a comparison with normotensive subjects. Tolagen K.

*Scand J Clin Lab Invest* 38(5):487-93, Sep 78  
[Determination of aldosterone in urine and plasma (author's transl)] Herkner K, et al. *J Chromatogr* 146(2):273-81, 1 Sep 78 (Eng. Abstr.) (Ger)

[Clinical and metabolic characteristics in diabetic ketoacidosis in children and pathogenic therapy] Kniazev IuA, et al. *Pediatrics* (9):12-7, Sep 78 (Eng. Abstr.) (Rus)

[Effect of aldosterone on the mineralocorticoid function of the adrenal cortex and the sodium and potassium content in the blood of middle-aged and elderly persons] Svechnikova NV, et al. *Vrach Delo* (8):49-52, 1978 (Eng. Abstr.) (Rus)

[Aldosteronism after hypokalemia in diuretic therapy of systemic arterial hypertension] Sánchez Torres G, et al. *Arch Inst Cardiol Mex* 48(4):853-70, Jul-Aug 78 (Eng. Abstr.) (Spa)

## ALDOSTERONE

### ALDOSTERONE ANTAGONISTS

#### PHARMACODYNAMICS

[Antialdosterones and enzymes of the adrenal gland] Aupetit B, et al. *Arch Mal Coeur* 71 Spec No:53-9, Jul 78 (Eng. Abstr.) (Fre)

#### THERAPEUTIC USE

[Antialdosterones and enzymes of the adrenal gland] Aupetit B, et al. *Arch Mal Coeur* 71 Spec No:53-9, Jul 78 (Eng. Abstr.) (Fre)

### ANDROSTENEDIONE

[Steroid converting enzymes from microorganisms. VIII. Effect of the organic solvent specific hydrophobicity of the binding on the affinity-matrix- affinity chromatography of a 4-en-3-oxo-steroid: (Acceptor)-1-en-oxidoreductase from *Nocardia opaca*] Atrat P, et al. *J Steroid Biochem* 9(7):691-4, Jul 78 (Eng. Abstr.) (Ger)

#### BIOSYNTHESIS

In vitro and in vivo studies on Leydig cell function in old rats. Pirke KM, et al. *Acta Endocrinol (Copenh)* 89(2):393-403, Oct 78  
Androgen biosynthesis in vitro by testes from amphibia. Kime DE, et al. *Gen Comp Endocrinol* 35(3):280-8, Jul 78

#### BLOOD

Effect of glucocorticoids on plasma testosterone in men. Schaison G, et al. *Acta Endocrinol (Copenh)* 89(1):126-31, Sep 78  
Production and origin of estrogen in two true hermaphrodites. Aiman J, et al. *Am J Obstet Gynecol* 132(4):401-9, 15 Oct 78  
Androgen-estrogen production rates in postmenopausal women with breast cancer. Kirschner MA, et al. *Cancer Res* 38(11 Pt 2):4029-35, Nov 78  
Serum steroids in normal males and patients with prostatic diseases. Hammond GL, et al. *Clin Endocrinol (Oxf)* 9(2):113-21, Aug 78  
Gynecomastia induced in normal males by spironolactone. Huffman DH, et al. *Clin Pharmacol Ther* 24(4):465-73, Oct 78  
Prostatic function in the brush-tailed possum, *Trichosurus vulpecula*. Cook B, et al. *J Reprod Fertil* 53(2):369-75, Jul 78  
Changes in androstenedione, testosterone and protein metabolism as a result of exercise. Dohm GL, et al. *Proc Soc Exp Biol Med* 158(4):622-5, Sep 78  
[Biochemical basis for the study of steroid hormones (proceedings)] Degrelle H. *Ann Biol Clin (Paris)* 36(3):168-71, 1978 (Fre)  
[Hirsutism (author's transl)] Kuttann F, et al. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):693-701, Apr 78 (Eng. Abstr.) (Fre)

#### METABOLISM

The metabolism of 4-androstene-3,17-dione by isolated rat hepatocytes. Maintenance of the sex differences in culture. Stenberg A, et al. *Biochim Biophys Acta* 530(3):412-9, 28 Sep 78  
Estrogen synthetase in choriocarcinoma cell culture. Stimulation by dibutyl cyclic adenosine monophosphate and theophylline. Bellino FL, et al. *Steroids* 32(1):37-44, Jul-Aug 78  
In vitro metabolism of androgens by mammalian cauda epididymal spermatozoa. Rajalakshmi M, et al. *Steroids* 31(6):747-60, Jun 78

#### PHARMACODYNAMICS

Effects of steroidal hormones on sexual, attack, and search behavior in the isolated male chick. Young CE, et al. *Horm Behav* 10(2):107-17, Apr 78

\*BECLOMETHASONE See page 102.

\*BETAMETHASONE 17-VALERATE

See page 102.

## ADRENAL

### ANDROSTERONE

#### BLOOD

Serum steroids in normal males and patients with prostatic diseases. Hammond GL, et al. *Clin Endocrinol (Oxf)* 9(2):113-21, Aug 78

#### METABOLISM

[Testosterone, its biosynthesis, transport and metabolism] Panaiotov D. *Vutr Boles* 17(4):15-21, 1978 (38 ref.) (Bul)

#### URINE

Additional data supporting sex differences in human urinary steroid metabolic profiles. Pfaffenberger CD, et al. *Anal Biochem* 88(2):689-94, 1 Aug 78  
Endocrine effects of cannabis in male rats. Maskarinec MP, et al. *Toxicol Appl Pharmacol* 45(2):617-28, Aug 78

\*

### BETAMETHASONE

#### BLOOD

[Radioimmunoassay for plasma betamethasone and its application for clinical study (author's transl)] Kano T, et al. *Nippon Naibunpi Gakkai Zasshi* 54(5):654-65, 20 May 78 (Eng. Abstr.) (Jpn)

#### METABOLISM

The transfer and metabolism of corticosteroids in the perfused human placenta. Levitz M, et al. *Am J Obstet Gynecol* 132(4):363-6, 15 Oct 78

#### PHARMACODYNAMICS

[A comparative study of effects of hydrocortisone, methylprednisolone and bethamethasone on isolated vascular smooth muscle of rabbit aorta (author's transl)] Kemmotsu O, et al. *Masui* 27(9):954-60, Sep 78 (Eng. Abstr.) (Jpn)

\*

### CORTICOSTERONE

#### ADMINISTRATION & DOSAGE

Influence of corticosterone on the development and display of androgen-dependent aggressive behavior in mice. Simon NG, et al. *Physiol Behav* 20(4):391-6, Apr 78

#### ANALYSIS

Adrenal steroid feedback on neuroendocrine tissues. McEwen BS. *Ann NY Acad Sci* 297:568-79, 28 Oct 77  
Bioassay of ACTH using isolated cortex cells. Applications: structure activity relationship for ACTH and analogues, assay of corticotropin-releasing factor, and assay of plasma ACTH. Sayers G. *Ann NY Acad Sci* 297:220-41, 28 Oct 77

#### BIOSYNTHESIS

Studies of the trophic action of ACTH. Ramachandran J, et al. *Ann NY Acad Sci* 297:336-48, 28 Oct 77  
Mechanisms of corticotropin action in rat adrenal cells. I. The effects of inhibitors of protein synthesis and of microfilament formation on corticosterone synthesis. Crivello JF, et al. *Biochim Biophys Acta* 542(2):315-29, 17 Aug 78  
Isolation, characterization, and synthesis of a corticotropin-inhibiting peptide from human pituitary glands. Li CH, et al. *Proc Natl Acad Sci USA* 75(9):4306-9, Sep 78

#### BLOOD

Changes in rat hypothalamic content of corticotropin-releasing factor (CRF) activity, plasma ACTH and corticosterone under stress and the effect of cycloheximide. Fujieda K, et al. *Acta Endocrinol (Copenh)* 89(1):10-9, Sep 78  
Increased sensitivity to 5-hydroxytryptamine due to intraventricular administration of 5,6-dihydroxytryptamine



- Kawa A, et al. *Acta Endocrinol (Copenh)* 89(3):432-7, Nov 78
- Extra-CNS corticotropin-releasing factors. Brodich A. *Ann NY Acad Sci* 297:420-35, 28 Oct 77
- Corticosteroid involvement in the changes in noradrenergic responsiveness of tissues from rats made hypertensive by short-term isolation. Bennett T, et al. *Br J Pharmacol* 64(1):129-36, Sep 78
- The diurnal variations of dopamine-beta-hydroxylase activity in the hypothalamus and locus coeruleus of the rat. Daiguji M, et al. *Brain Res* 155(2):409-12, 27 Oct 78
- Hypothalamic-pituitary responses to intracranial self-stimulation in the rat. Terry LC, et al. *Brain Res* 157(1):89-104, 17 Nov 78
- Central elevation of phenylethanolamine N-methyltransferase activity following stress. Turner BB, et al. *Brain Res* 153(2):419-22, 22 Sep 78
- Circadian susceptibility rhythms to some organophosphate compounds in the rat. Fatranská M, et al. *Chronobiologia* 5(1):39-44, Jan-Mar 78
- Higher corticosterone values at a fixed single timepoint in serum from mice 'trained' by prior handling. Smolensky MH, et al. *Chronobiologia* 5(1):1-13, Jan-Mar 78
- What makes the renin-angiotensin system a pathogenic factor? Dietz R, et al. *Contrib Nephrol* 12:16-26, 1978
- Neuroendocrine response patterns in dominant and subordinate mice. Ely DL, et al. *Horm Behav* 10(2):156-69, Apr 78
- Problems of re-entrainment of circadian rhythms: asymmetry effect, dissociation and partition. pp. 185-95. Aschoff J. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Feedback and facilitation in the adrenocortical system and the endocrine responses to repeated stimuli. pp. 252-9. Dallman MF, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Endocrine response in osmoregulation: hormonal adaptation in aquatic birds. pp. 230-9. Holmes WN. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (35 ref.)
- Role of brain monoamines in the regulation of the circadian variations of activity of some neuroendocrine axes. pp. 137-43. Scapagnini U, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Effects of ahemeral environmental periodicities on the rhythms of adrenocortical and locomotor functions in rats and Japanese quail. pp. 182-4. Szafarczyk A, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Responses of the diurnal locomotor and adrenocortical rhythms in rats exposed to a weekly 8-hour phase-shift of the Zeitgeber. pp. 200-1. Szafarczyk A, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- High altitude hypoxia and adrenal development in the rat: enzymes for biogenic amines. pp. 283-9. Vaccari A, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- The role of corticosterone in the ovulatory cycle of the hen. Sharp PJ, et al. *J Endocrinol* 78(2):195-200, Aug 78
- Suppression of the hypothalamic-pituitary-adrenal axis after oral hydrocortisone succinate ingestion in rats. Mims RB. *J Natl Med Assoc* 70(1):37-40, Jan 78
- Radioimmunoassay of corticosterone, cortisol and cortisone: their application to human cord and maternal plasma. Sulon J, et al. *J Steroid Biochem* 9(7):671-6, Jul 78
- Adrenal activity in isolated mice and mice of different social status. Benton D, et al. *Physiol Behav* 20(4):459-64, Apr 78
- Blockage of pituitary-adrenal activity does not affect conditioned suppression. Davis H, et al. *Physiol Behav* 20(4):423-5, Apr 78
- Effects of fenfluramine administration on activity of the pituitary-adrenal system in the rat. Heybach JP, et al. *Proc West Pharmacol Soc* 21:19-25, 1978
- Neuroendocrine responses to benzomorphans (cyclazocine, ketocyclazocine and WIN 35, 197-2) in the rat. Murray GM, et al. *Proc West Pharmacol Soc* 21:371-5, 1978
- Regional uptake of endogenous corticosterone by rat brain following stress. Kakihana R, et al. *Res Commun Chem Pathol Pharmacol* 21(2):213-22, Aug 78
- Fluctuated changes in the rat hypothalamic content of corticotropin releasing factor around the peak of the circadian rhythm. Sakakura M, et al. *Tohoku J Exp Med* 125(3):281-5, Jul 78
- [Effect of estrus cycle, ovariectomy and lactation on variations of basal corticosterone levels or aggression stress levels in rats] Audrain M, et al. *C R Soc Biol (Paris)* 172(1):33-7, 1978 (Eng. Abstr.) (Fre)
- [Hypothalamic sensitivity to corticosteroids in the late period after irradiation] Prokudina EA. *Radiobiologia* 18(4):624-7, Jul-Aug 78 (Eng. Abstr.) (Rus)

## METABOLISM

- Binding of aldosterone to cytoplasmic and nuclear receptors of the urinary bladder epithelium of *Bufo marinus*. Kusch M, et al. *Am J Physiol* 235(3):C82-9, Sep 78
- The use of high-pressure liquid chromatography in the simultaneous assay of 11beta-hydroxylase and 18-hydroxylase in zona fasciculata-reticularis tissue of the rat adrenal cortex. Gallant S, et al. *Anal Biochem* 89(1):196-202, 15 Aug 78
- Plasma corticosterone binding capacity in the partially decapitated chick embryo. Gasc JM, et al. *Gen Comp Endocrinol* 35(3):274-9, Jul 78
- Reduction in [3H]-corticosterone binding to cytoplasmic receptors in the brain of diabetic rats. Fridman O, et al. *J Steroid Biochem* 9(7):609-14, Jul 78
- The effect of sex and strain of rats on the in vitro response of adrenocortical tissue of ACTH stimulation. Vinson GP, et al. *J Steroid Biochem* 9(6):553-60, Jun 78
- Effect of intraventricular administration of noradrenaline and dopamine on the levels of corticosterone in rats and denervation hypersensitivity resulting from intraventricular administration of 6-hydroxydopamine. Kawa A, et al. *Life Sci* 23(9):991-7, 4 Sep 78
- Regulation of aldosterone secretion by the renin-angiotensin system during sodium restriction in rats. Aguilera G, et al. *Proc Natl Acad Sci USA* 75(8):4057-61, Aug 78
- Regional uptake of endogenous corticosterone by rat brain following stress. Kakihana R, et al. *Res Commun Chem Pathol Pharmacol* 21(2):213-22, Aug 78
- Endotoxin-glucocorticoid interactions with hormone specific receptors in the rat. Agarwal MK. *Toxicol Suppl* (1):857-68, 1978

## PHARMACODYNAMICS

- Adrenal involvement in the timing of puberty in female rats: interaction with serum prolactin levels. Gelato MC, et al. *Acta Endocrinol (Copenh)* 89(3):590-8, Nov 78
- The permissive effect of cortical steroids on the induction of brain ornithine decarboxylase by nerve growth factor. Ikeno T, et al. *Biochem Biophys Res Commun* 82(3):957-63, 14 Jun 78
- Evidence for the zonation of interrenal tissue in the adrenal gland of the duck (*Anas platyrhynchos*). Pearce RB, et al. *Cell Tissue Res* 192(3):363-79, 26 Sep 78
- Development of glucogenesis from galactose by fetal rat liver explants in organ culture. Simkins RA, et al. *Dev Biol* 66(2):353-60, Oct 78
- The role of corticosterone in the ovulatory cycle of the hen. Sharp PJ, et al. *J Endocrinol* 78(2):195-200, Aug 78
- Mouse brain tyrosine hydroxylase and glutamic acid decarboxylase following treatment with adrenocorticotrophic hormone, vasopressin or corticosterone. Dunn AJ, et al. *J Neurochem* 31(4):977-82, Oct 78
- Mouse brain deoxyglucose uptake after footshock, ACTH analogs, alpha-MSH, corticosterone or lysine vasopressin. Delanoy RL, et al. *Pharmacol Biochem Behav* 9(1):21-6, Jul 78
- Glucosamine incorporation into rat cerebrum: effect of adrenalectomy, corticosterone, exercise, and training. Irwin LN, et al. *Pharmacol Biochem Behav* 9(1):333-7, Jul 78
- Influence of corticosterone on the development and display of androgen-dependent aggressive behavior in mice. Simon NG, et al. *Physiol Behav* 20(4):391-6, Apr 78
- Inhibition of dimethyl sulfoxide-stimulated Friend cell erythroidifferentiation by hydrocortisone and other steroids. Scher W, et al. *Proc Natl Acad Sci USA* 75(8):3851-5, Aug 78
- Effects of ACTH and the adrenals on serum and antral gastrin levels in the rat. Sander LD, et al. *Proc Soc Exp Biol Med* 158(4):609-13, Sep 78
- Modulation of high affinity GABA uptake into hippocampal synaptosomes by glucocorticoids. Miller AL, et al. *Psychoneuroendocrinology* 3(2):155-64, Apr 78
- The effect of progesterone analogues, naturally occurring steroids, and contraceptive progestins on hypothalamic and anterior pituitary delta4-steroid (progesterone) 5alpha-reductase. Krause JE, et al. *Steroids* 31(6):823-39, Jun 78



## CORTICOSTERONE

### PHYSIOLOGY

- Development of the circadian rhythm of jejunal sucrase activity in the weanling rat. Beam HE, et al.  
*Am J Physiol* 235(4):E437-42, Oct 78
- The role of corticosterone in the ovulatory cycle of the hen. Sharp PJ, et al. *J Endocrinol* 78(2):195-200, Aug 78

### SECRETION

- Episodic GH secretion: evidence for a hypothalamic dopaminergic mechanism. Willoughby JO, et al.  
*Curr Top Mol Endocrinol* 3:303-20, 1976

### URINE

- Urinary steroid excretion in 17 alpha-hydroxylase deficiency. Honour JW, et al. *J Steroid Biochem* 9(6):495-505, Jun 78

## CORTISONE

- The effect of dexamethasone on the activity of 11beta-hydroxysteroid dehydrogenase in the foetal rabbit lung during the final stage of gestation. Lugg MA, et al. *J Pharm Pharmacol* 30(9):587-9, Sep 78
- Genetic and environmental factors in cortisone induced cleft palate. Tyan ML, et al. *Proc Soc Exp Biol Med* 158(4):618-21, Sep 78

### ADMINISTRATION & DOSAGE

- [Prolapse of the iris through spontaneous perforation of the cornea and pathological costal fracture after cortisone therapy for rheumatoid arthritis (author's transl)] Loffredo A, et al. *J Fr Ophtalmol* 1(6-7):427-38, Jun-Jul 78 (Eng. Abstr.) (Fre)

### ADVERSE EFFECTS

- Estimation of *Absidia ramosa* infection in the brain and kidneys of cortisone-treated mice by chitin assay. White LO, et al. *Mycopathologia* 63(3):177-9, 10 Aug 78
- [Prolapse of the iris through spontaneous perforation of the cornea and pathological costal fracture after cortisone therapy for rheumatoid arthritis (author's transl)] Loffredo A, et al. *J Fr Ophtalmol* 1(6-7):427-38, Jun-Jul 78 (Eng. Abstr.) (Fre)

### BLOOD

- Radioimmunoassay of corticosterone, cortisol and cortisone: their application to human cord and maternal plasma. Sulon J, et al. *J Steroid Biochem* 9(7):671-6, Jul 78

### METABOLISM

- The hepatic catabolism of cortisol in teleost fish--adrenal origin of 11-oxotestosterone precursors. Kime DE. *Gen Comp Endocrinol* 35(3):322-8, Jul 78
- ['System of recognition' (or 'system of preference') for corticosteroids in the hepatocyte plasmatic membrane] Sergeev PV, et al. *Farmakol Toksikol* 41(5):597-601, Sep-Oct 78 (Eng. Abstr.) (Rus)

### PHARMACODYNAMICS

- Procoagulant activity of peritoneal leukocytes: effects of cortisone and endotoxin. Robinson AJ, et al. *Am J Physiol* 235(3):H333-7, Sep 78
- Differential effects of cyclophosphamide and cortisone acetate on bronchoalveolar phagocytic cell populations. Pennington JE. *Am Rev Respir Dis* 118(2):319-24, Aug 78
- Quantitation of endotoxin in cell-free rumen fluid of cattle. Nagaraja TG, et al. *J Anim Sci* 46(6):1759-67, Jun 78
- Rapid germination of *Aspergillus fumigatus* conidia in mouse kidneys and a kidney extract. Lehmann PF, et al. *Sabouraudia* 16(3):203-9, Sep 78
- Effect of immunosuppression on the growth of six murine tumors. Pavelić K, et al. *Z Krebsforsch* 92(2):147-56, 28 Sep 78
- [The influence of calcitonin and cortisone on experimental fractures (author's transl)] Kolár J, et al. *Acta Chir Orthop Traumatol Cech* 45(3):255-62, Jun 78 (Eng. Abstr.) (Cze)
- [Quantitative interrelationships between the T- and B-cell populations of mouse lymphoid organs] Iarilin AA, et al. *Tsitologiia* 20(7):802-7, Jul 78 (Eng. Abstr.) (Rus)

## ADRENAL

### THERAPEUTIC USE

- Differential effects of cyclophosphamide and cortisone acetate on bronchoalveolar phagocytic cell populations. Pennington JE. *Am Rev Respir Dis* 118(2):319-24, Aug 78
- A possible ACTH secreting tumour of the pituitary developing in a conventionally treated case of Addison's disease. Himsworth RL, et al. *Clin Endocrinol (Oxf)* 9(2):131-9, Aug 78
- Cytogenetic effects of chemotherapy and cranial irradiation on the peripheral blood lymphocytes of children with leukaemia. pp. 247-57. Fischer P, et al.  
 In: Evans HJ, Lloyd DC, ed. *Mutagen-induced chromosome damage in man*. Edinburgh, Univ Press, 1978. QH 462.A1 M992 1977.
- Giant cell arteritis (cranial arteritis, polymyalgia rheumatica). Mumenthaler M. *J Neurol* 218(4):219-36, 25 Aug 78 (130 ref.)
- Trichophyton ajelloi isolated from a child. Presbury DG, et al. *Sabouraudia* 16(3):233-5, Sep 78
- [The influence of calcitonin and cortisone on experimental fractures (author's transl)] Kolár J, et al. *Acta Chir Orthop Traumatol Cech* 45(3):255-62, Jun 78 (Eng. Abstr.) (Cze)
- [Anesthesia-intensive care in pituitary gland surgery. Hormonal preparation and preoperative water-electrolyte equilibration] Fossati P, et al. *Anesth Analg (Paris)* 35(2):287-92, Mar-Apr 78 (Fre)
- [Anesthesia and intensive care in surgery for congenital virilizing adrenal hyperplasia] Ghnassia MD, et al. *Anesth Analg (Paris)* 35(2):269-78, Mar-Apr 78 (Fre)
- [Prolapse of the iris through spontaneous perforation of the cornea and pathological costal fracture after cortisone therapy for rheumatoid arthritis (author's transl)] Loffredo A, et al. *J Fr Ophtalmol* 1(6-7):427-38, Jun-Jul 78 (Eng. Abstr.) (Fre)
- [Antihistaminics in urticaria therapy] Illig L, et al. *Hautarzt* 29(8):407-15, Aug 78 (45 ref.) (Ger)
- [Tarsal tunnel syndrome] Martucci E, et al. *Chir Organi Mov* 63(6):593-7, 1977 (Ita)
- [Lysosomes, cyclic nucleotides and retinal degeneration] Riding GV. *Vestn Akad Med Nauk SSSR* (10):8-12, 1978 (40 ref.) (Eng. Abstr.) (Rus)

## DEHYDROEPIANDROSTERONE

### ADMINISTRATION & DOSAGE

- Assessment of placental function in uncomplicated and complicated late pregnancy by estimation of unconjugated oestrogens in plasma after an intravenous injection of dehydroepiandrosterone sulphate. Axelsson O, et al. *Acta Endocrinol (Copenh)* 89(2):359-71, Oct 78

### ANALOGS & DERIVATIVES

- Study of the kinetics of conversion of maternal plasma dehydroisoandrosterone sulfate to 16 alpha-hydroxydehydroisoandrosterone sulfate, estradiol, and estriol. Madden JD, et al. *Am J Obstet Gynecol* 132(4):392-5, 15 Oct 78

### BLOOD

- The effect of oral contraceptive treatment on the serum concentration of dehydroisoandrosterone sulfate. Madden JD, et al. *Am J Obstet Gynecol* 132(4):380-4, 15 Oct 78
- Study of the kinetics of conversion of maternal plasma dehydroisoandrosterone sulfate to 16 alpha-hydroxydehydroisoandrosterone sulfate, estradiol, and estriol. Madden JD, et al. *Am J Obstet Gynecol* 132(4):392-5, 15 Oct 78
- Androgen and cortisol responses to ACTH stimulation in women with hyperprolactinaemia. Kandeel FR, et al. *Clin Endocrinol (Oxf)* 9(2):123-30, Aug 78
- Plasma dehydroepiandrosterone sulfate concentration in essential hypertension. Holland OB, et al. *J Steroid Biochem* 9(7):667-9, Jul 78

### DIAGNOSTIC USE

- Assessment of placental function in uncomplicated and complicated late pregnancy by estimation of unconjugated oestrogens in plasma after an intravenous injection of dehydroepiandrosterone sulphate. Axelsson O, et al. *Acta Endocrinol (Copenh)* 89(2):359-71, Oct 78



## METABOLISM

- Concurrent hypertension and pregnancy. Welt SI, et al. *Clin Obstet Gynecol* 21(3):619-48, Sep 78 (80 ref.)  
 In vitro metabolism of androgens by mammalian cauda epididymal spermatozoa. Rajalakshmi M, et al. *Steroids* 31(6):747-60, Jun 78

## PHARMACODYNAMICS

- Role of thiol group(s) in the enzymatic activity of the membrane-bound delta5-3beta-hydroxysteroid dehydrogenase from bovine adrenal cortex microsomes. Vincent M, et al. *Biochim Biophys Acta* 525(1):1-8, 7 Jul 78  
 Adrenal dehydroepiandrosterone and human mammary cancer. Adams JB, et al. *Cancer Res* 38(11 Pt 2):4036-40, Nov 78  
 Adrenocortical responses to sex hormonal administration in three avian species: the parakeet *Psittacula krameri*, the quail *Coturnix coturnix* & the common Myna *acridotheres tristis*. Manna CK. *Indian J Exp Biol* 16(6):645-7, Jun 78

## PHYSIOLOGY

- Adrenal dehydroepiandrosterone and human mammary cancer. Adams JB, et al. *Cancer Res* 38(11 Pt 2):4036-40, Nov 78

## URINE

- Excretion and conjugation pattern of urinary 17-ketosteroids in surgical patients. Singh RK, et al. *Indian J Med Res* 67:397-400, Mar 78

## DESOXYCORTICOSTERONE

- K<sup>+</sup> deprivation potentiates the renal alkalosis-producing effect of mineralocorticoid. Hulter HN, et al. *Am J Physiol* 235(4):F298-309, Oct 78  
 Effects of hypertension and its reversal on aortic metabolism in the rat. Brecher P, et al. *Circ Res* 43(4):561-9, Oct 78

## ADMINISTRATION &amp; DOSAGE

- [Patient management after bilateral total adrenalectomy] Butrova SA, et al. *Probl Endokrinol (Mosk)* 24(5):54-5, Sep-Oct 78 (Rus)

## ANALOGS &amp; DERIVATIVES

- Plasma levels of 18-hydroxy-11-deoxycorticosterone in essential hypertension. Honda M, et al. *Endocrinol Jpn* 25(3):237-43, Jun 78

## ANTAGONISTS &amp; INHIBITORS

- [Action of morphine and amidopyrine against a background of mineralocorticoid hormone and its antagonist] El'tsova ZI, et al. *Farmakol Toksikol* 41(5):541-4, Sep-Oct 78 (Eng. Abstr.) (Rus)

## BLOOD

- Desoxycorticosterone in normal pregnancy. I. Sequential studies of the secretory patterns of desoxycorticosterone, aldosterone, and cortisol. Nolten WE, et al. *Am J Obstet Gynecol* 132(4):414-20, 15 Oct 78  
 Adrenocorticotropin and plasma aldosterone concentration and desoxycorticosterone in man. Biglieri EG, et al. *Ann NY Acad Sci* 297:361-72, 28 Oct 77  
 Hypertension induced by adrenocortical dysfunction--hypertension in 17 alpha-hydroxylase deficiency and metopirone-induced hypertension. Saruta T, et al. *Jpn Circ J* 42(5):621-31, May 78  
 [The effect of cortisol infusion on plasma renin activity, aldosterone levels and 11-deoxycorticosterone levels in humans (author's transl)] Sugawara T. *Nippon Naibunpi Gakkai Zasshi* 54(5):710-8, 20 May 78 (Eng. Abstr.) (Jpn)

## METABOLISM

- The use of high-pressure liquid chromatography in the simultaneous assay of 11beta-hydroxylase and 18-hydroxylase in zona fasciculata-reticularis tissue of the rat adrenal cortex. Gallant S, et al. *Anal Biochem* 89(1):196-202, 15 Aug 78

- The intracellular localization of adrenal 3beta-hydroxysteroid dehydrogenase/delta5-isomerase by density gradient perturbation. Headon DR, et al. *Biochem Biophys Res Commun* 82(3):1006-12, 14 Jun 78

## PHARMACODYNAMICS

- Effects of Aldactazide and DOCA injections on saline preference in Gerbils (*Meriones unguiculatus*). Wong R, et al. *Behav Biol* 23(4):460-8, Aug 78  
 Alterations in levels of vascular histamine in the DOCA-hypertensive rat. Holcslaw TL, et al. *Clin Exp Pharmacol Physiol* 5(4):405-9, Jul-Aug 78  
 Effects of aldosterone and deoxycorticosterone on the urinary excretion of kallikrein and of prostaglandin E-like substance in the rat. Colina-Chourio J, et al. *Contrib Nephrol* 12:126-31, 1978  
 Hemodynamic alterations in isoproterenol-induced cardiac arrhythmias in corticoid-treated rats. Barletta MA, et al. *J Pharm Sci* 67(10):1390-4, Oct 78  
 Inhibition of dimethyl sulfoxide-stimulated Friend cell erythroid differentiation by hydrocortisone and other steroids. Scher W, et al. *Proc Natl Acad Sci USA* 75(8):3851-5, Aug 78  
 Potentiation of isoproterenol cardiotoxicity by corticoids. Guideri G, et al. *Res Commun Chem Pathol Pharmacol* 21(2):197-212, Aug 78  
 [Action of morphine and amidopyrine against a background of mineralocorticoid hormone and its antagonist] El'tsova ZI, et al. *Farmakol Toksikol* 41(5):541-4, Sep-Oct 78 (Eng. Abstr.) (Rus)

## URINE

- Urinary steroid excretion in 17 alpha-hydroxylase deficiency. Honour JW, et al. *J Steroid Biochem* 9(6):495-505, Jun 78

## DEXAMETHASONE

## ADMINISTRATION &amp; DOSAGE

- Differences in inducibility by glucocorticoids of rat liver TO and TAT. Voigt J, et al. *Am J Physiol* 235(4):E374-80, Oct 78

## DIAGNOSTIC USE

- Plasma levels of 18-hydroxy-11-deoxycorticosterone in essential hypertension. Honda M, et al. *Endocrinol Jpn* 25(3):237-43, Jun 78  
 Dexamethasone test in alcoholics [letter] Oxenkrug GF. *Lancet* 2(8093):795, 7 Oct 78

## METABOLISM

- The transfer and metabolism of corticosteroids in the perfused human placenta. Levitz M, et al. *Am J Obstet Gynecol* 132(4):363-6, 15 Oct 78  
 Glucocorticoid receptors in the guinea pig. Hodgson AJ, et al. *Am J Physiol* 235(3):R115-20, Sep 78  
 Binding of aldosterone to cytoplasmic and nuclear receptors of the urinary bladder epithelium of *Bufo marinus*. Kusch M, et al. *Am J Physiol* 235(3):C82-9, Sep 78  
 Adrenal steroid feedback on neuroendocrine tissues. McEwen BS. *Ann NY Acad Sci* 297:568-79, 28 Oct 77  
 Glucocorticoid binding and [3H]thymidine incorporation into DNA in embryonic chick cell cultures. Fodge DW, et al. *Cancer Res* 38(10):3391-7, Oct 78  
 Structure requirements and affinity of steroids to bind with receptor for induction of differentiation of cultured mouse myeloid leukemia cells. Honma Y, et al. *Gan* 68(4):405-12, Aug 77

## PHARMACODYNAMICS

- Effect of glucocorticoids on plasma testosterone in men. Schaison G, et al. *Acta Endocrinol (Copenh)* 89(1):126-31, Sep 78  
 Desoxycorticosterone in normal pregnancy. I. Sequential studies of the secretory patterns of desoxycorticosterone, aldosterone, and cortisol. Nolten WE, et al. *Am J Obstet Gynecol* 132(4):414-20, 15 Oct 78  
 Differences in inducibility by glucocorticoids of rat liver TO and TAT. Voigt J, et al. *Am J Physiol* 235(4):E374-80, Oct 78  
 Catecholamines: effects of ACTH and adrenal corticoids. Axelrod J. *Ann NY Acad Sci* 297:275-83, 28 Oct 77  
 Effect of ACTH on cytochrome P450 systems of the adrenal

- cortex. Brownie AC, et al. *Ann NY Acad Sci* 297:349-60, 28 Oct 77
- Coordinate repression of cholesterol biosynthesis and cytoplasmic 3-hydroxy-3-methylglutaryl coenzyme A synthase by glucocorticoids in HeLa cells. Ramachandran CK, et al. *Arch Biochem Biophys* 189(1):205-11, Jul 78
- The permissive effect of cortical steroids on the induction of brain ornithine decarboxylase by nerve growth factor. Ikeno T, et al. *Biochem Biophys Res Commun* 82(3):957-63, 14 Jun 78
- Effect of endotoxic shock on renal and hormonal functions. Oyama T, et al. *Can Anaesth Soc J* 25(5):380-91, Sep 78
- Effect of glucocorticoid hormones in vitro on the structural integrity of nuclei in corticosteroid-sensitive and -resistant lines of lymphosarcoma P1798. Nicholson ML, et al. *Cancer Res* 38(11 Pt 1):3673-80, Nov 78
- Development of glucogenesis from galactose by fetal rat liver explants in organ culture. Simkins RA, et al. *Dev Biol* 66(2):353-60, Oct 78
- Structure requirements and affinity of steroids to bind with receptor for induction of differentiation of cultured mouse myeloid leukemia cells. Honma Y, et al. *Gan* 68(4):405-12, Aug 77
- Feedback and facilitation in the adrenocortical system and the endocrine responses to repeated stimuli. pp. 252-9. Dallman MF, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Glucocorticoid induction of hepatic alpha<sub>2</sub>-globulin synthesis and messenger RNA level in castrated male rats in vivo. Kurtz DT, et al. *J Biol Chem* 253(21):7886-90, 10 Nov 78
- Steroid hormone alteration of herpes simplex virus type 1 replication. Notter MF, et al. *J Med Virol* 2(3):247-52, 1978
- The effect of dexamethasone on the activity of 11beta-hydroxysteroid dehydrogenase in the foetal rabbit lung during the final stage of gestation. Lugg MA, et al. *J Pharm Pharmacol* 30(9):587-9, Sep 78
- Estrogen-like compounds and progesterone in male and female rats before puberty--II. Effects of administration of ACTH, steroidogenesis inhibitors, dexamethasone and hCG. Audi L, et al. *J Steroid Biochem* 9(7):631-5, Jul 78
- Hypertension induced by adrenocortical dysfunction--hypertension in 17 alpha-hydroxylase deficiency and metopirone-induced hypertension. Saruta T, et al. *Jpn Circ J* 42(5):621-31, May 78
- Effect of intraventricular administration of noradrenaline and dopamine on the levels of corticosterone in rats and denervation hypersensitivity resulting from intraventricular administration of 6-hydroxydopamine. Kawa A, et al. *Life Sci* 23(9):991-7, 4 Sep 78
- Inhibition of dimethyl sulfoxide-stimulated Friend cell erythroid differentiation by hydrocortisone and other steroids. Scher W, et al. *Proc Natl Acad Sci USA* 75(8):3851-5, Aug 78
- Comparison of the effector cells in human spontaneous cellular cytotoxicity and antibody-dependent cellular cytotoxicity: differential sensitivity of effector cells to in vivo and in vitro corticosteroids. Parrillo JE, et al. *Scand J Immunol* 8(2):99-107, 1978
- Angiotensin stimulates cortisol biosynthesis in human adrenal cells in vitro. McKenna TJ, et al. *Steroids* 32(1):127-36, Jul-Aug 78
- [Studies of pathogenesis in endotoxin shock (3). --changes of plasma catecholamine concentration (author's transl)] Ebata T, et al. *Masui* 27(7):700-4, Jul 78 (Eng. Abstr.) (Jpn)
- [Hypothalamic sensitivity to corticosteroids in the late period after irradiation] Prokudina EA. *Radiobiologia* 18(4):624-7, Jul-Aug 78 (Eng. Abstr.) (Rus)

## THERAPEUTIC USE

- A possible ACTH secreting tumour of the pituitary developing in a conventionally treated case of Addison's disease. Himsworth RL, et al. *Clin Endocrinol (Oxf)* 9(2):131-9, Aug 78
- The evaluation of topical anti-inflammatory activity on rat ears subjected to thermal injury. Bronaugh RL, et al. *J Invest Dermatol* 71(4):263-5, Oct 78

## ESTRONE

- IV. Synthesis and assay of analogs of adenosine 3',5'-diphosphate as inhibitors of bovine adrenal estrogen sulfotransferase. Horwitz JP, et al. *Biochim Biophys Acta* 525(2):364-72, 7 Aug 78
- Adrenal dehydroepiandrosterone and human mammary

cancer. Adams JB, et al. *Cancer Res* 38(11 Pt 2):4036-40, Nov 78

## ADMINISTRATION &amp; DOSAGE

- Circulatory responses to systemic infusions of estrone and estradiol-17alpha in nonpregnant, oophorectomized ewes. Rosenfeld CR, et al. *Am J Obstet Gynecol* 132(4):442-8, 15 Oct 78
- Steroid estrogen conjugates in hens' urine II. Identifications of some minor conversion products of intramuscularly injected [4-(<sup>14</sup>C)]estrone. Baker SJ, et al. *Steroids* 32(1):95-107, Jul-Aug 78

## ANALOGS &amp; DERIVATIVES

- Conjugated and unconjugated estrogens in fetal and maternal fluids of the pregnant ewe: a possible role for estrone sulfate during early pregnancy. Carnegie JA, et al. *Biol Reprod* 19(1):202-11, Aug 78

## ANALYSIS

- Detection of estrogen-like compounds by thin-layer chromatography. Wortberg B, et al. *J Chromatogr* 156(1):205-10, 21 Aug 78

## BIOSYNTHESIS

- Metabolism of 17beta-estradiol during receptor-mediated nuclear migration in breast cancer cells. Brooks SC, et al. *Cancer Res* 38(11 Pt 2):4238-42, Nov 78
- Androgen-estrogen production rates in postmenopausal women with breast cancer. Kirschner MA, et al. *Cancer Res* 38(11 Pt 2):4029-35, Nov 78
- Adipose tissue and aetiology of breast cancer [letter] Adami HO, et al. *Lancet* 2(8091):677-8, 23 Sep 78

## BLOOD

- Assessment of placental function in uncomplicated and complicated late pregnancy by estimation of unconjugated oestrogens in plasma after an intravenous injection of dehydroepiandrosterone sulphate. Axelsson O, et al. *Acta Endocrinol (Copenh)* 89(2):359-71, Oct 78
- Daily assessment of ocular and hormonal variables throughout the menstrual cycle. Feldman F, et al. *Arch Ophthalmol* 96(10):1835-8, Oct 78
- Plasma hormone profiles of young women at risk for familial breast cancer. Fishman J, et al. *Cancer Res* 38(11 Pt 2):4006-11, Nov 78
- Androgen-estrogen production rates in postmenopausal women with breast cancer. Kirschner MA, et al. *Cancer Res* 38(11 Pt 2):4029-35, Nov 78
- Relationship between urine and plasma estrogen ratios. Longcope C, et al. *Cancer Res* 38(11 Pt 2):4025-8, Nov 78
- Estradiol and progesterone receptor levels in human breast adenocarcinoma in relation to plasma estrogen and progesterone levels. Saez S, et al. *Cancer Res* 38(10):3468-73, Oct 78
- Estrogen-like compounds and progesterone in male and female rats before puberty--I. Pattern and origin. Morera AM, et al. *J Steroid Biochem* 9(7):623-9, Jul 78
- Release of prostaglandin F<sub>2</sub>alpha during the bovine periparturient period. Edqvist LE, et al. *Prostaglandins* 16(1):111-9, Jul 78
- Serum hormone levels in benign prostatic hyperplasia. Sköldefors H, et al. *Scand J Urol Nephrol* 12(2):111-4, 1978

## METABOLISM

- Production and origin of estrogen in two true hermaphrodites. Aiman J, et al. *Am J Obstet Gynecol* 132(4):401-9, 15 Oct 78
- Conjugated and unconjugated estrogens in fetal and maternal fluids of the pregnant ewe: a possible role for estrone sulfate during early pregnancy. Carnegie JA, et al. *Biol Reprod* 19(1):202-11, Aug 78
- Metabolism of 17beta-estradiol during receptor-mediated nuclear migration in breast cancer cells. Brooks SC, et al. *Cancer Res* 38(11 Pt 2):4238-42, Nov 78
- Investigation of hormone-receptor interactions by means of fluorescence labeling. Dandliker WB, et al. *Cancer Res* 38(11 Pt 2):4212-24, Nov 78
- Specific binding of estrogens in different fetal tissues of guinea pig during fetal development. Pasqualini JR, et al. *Cancer Res* 38(11 Pt 2):4246-50, Nov 78
- Covalent binding of ethinylestradiol and estrone to rat liver DNA in vivo. Jaggi W, et al. *Chem Biol Interact* 23(1):13-8,



## ADRENAL

## GLUCOCORTICOIDS

Oct 78

Determination of the binding properties of estradiol-17 $\beta$  within the cytoplasmic and nuclear fractions of rat ventral prostate. Armstrong EG Jr, et al. *J Steroid Biochem* 9(6):507-13, Jun 78

Estrogen-like compounds and progesterone in male and female rats before puberty—II. Effects of administration of ACTH, steroidogenesis inhibitors, dexamethasone and hCG. Audi L, et al. *J Steroid Biochem* 9(7):631-5, Jul 78

Rat alpha-fetoprotein-estrogen interaction. Aussel C, et al. *J Steroid Biochem* 9(6):547-51, Jun 78

Effect of a steroidal alkylating agent (estramustine phosphate) in rat ventral prostate. Høisæter PA.

*Scand J Urol Nephrol [Suppl]* (46):1-72, 1977  
[‘System of recognition’ (or ‘system of preference’) for corticosteroids in the hepatocyte plasmatic membrane] Sergeev PV, et al. *Farmakol Toksikol* 41(5):597-601, Sep-Oct 78 (Eng. Abstr.) (Rus)

### PHARMACODYNAMICS

Circulatory responses to systemic infusions of estrone and estradiol-17 $\alpha$  in nonpregnant, oophorectomized ewes. Rosenfeld CR, et al. *Am J Obstet Gynecol* 132(4):442-8, 15 Oct 78

Effects of fracture trauma, estrone treatment, and 2-G environment on the epiphyseal cartilage zones of developing avian radii. Negulesco JA. *Aviat Space Environ Med* 49(10):1219-24, Oct 78

[Influence of estrogens on the response of the isolated hepatic artery to noradrenaline in the presence of pyrogallol] Bettini V, et al. *Boll Soc Ital Biol Sper* 54(4):311-4, 28 Feb 78 (Ita)

[Effects of gestagen on pregnancy maintenance and uterine contraction—experimental studies] Kato H. *Horumon To Rinsho* 26(1):79-84, Jan 78 (Jpn)

### PHYSIOLOGY

Steroid hormones and endometrial cancer. Siiteri PK. *Cancer Res* 38(11 Pt 2):4360-6, Nov 78 (74 ref.)

### URINE

Steroid estrogen conjugates in hens' urine II. Identifications of some minor conversion products of intramuscularly injected [4-(14C)]estrone. Baker SJ, et al. *Steroids* 32(1):95-107, Jul-Aug 78

## ETIOCHOLANOLONE

### DIAGNOSTIC USE

Defect of bone marrow granulocyte reserve in liver cirrhosis evaluated with etiocholanolone. Cambiaghi G, et al. *Acta Haematol (Basel)* 60(5):291-5, 1978

### METABOLISM

[Testosterone, its biosynthesis, transport and metabolism] Panalotov D. *Vutr Boles* 17(4):15-21, 1978 (38 ref.) (Bul)

### URINE

Additional data supporting sex differences in human urinary steroid metabolic profiles. Pfaffenberger CD, et al. *Anal Biochem* 88(2):689-94, 1 Aug 78

Urinary etiocholanolone and prognosis in early carcinoma of the breast. Prescott RJ, et al. *J Surg Oncol* 10(4):347-51, 1978

## FLUDROCORTISONE

### THERAPEUTIC USE

A possible ACTH secreting tumour of the pituitary developing in a conventionally treated case of Addison's disease. Himsworth RL, et al. *Clin Endocrinol (Oxf)* 9(2):131-9, Aug 78

## FLUCINOLONE ACETONIDE

### ADMINISTRATION & DOSAGE

Flunisolide nasal spray in the treatment of perennial rhinitis. Horan JD, et al. *Can Med Assoc J* 119(4):334-8, 26 Aug 78

### ANALOGS & DERIVATIVES

Flunisolide nasal spray in the treatment of perennial rhinitis. Horan JD, et al. *Can Med Assoc J* 119(4):334-8, 26 Aug 78

### PHARMACODYNAMICS

Effect of glucocorticoids on calcium binding to plasma membranes of livers during regeneration. Kagawa K, et al. *Biochem Biophys Res Commun* 83(4):1299-305, 29 Aug 78

## GLUCOCORTICOIDS

### ADMINISTRATION & DOSAGE

Glucocorticoid therapy in ocular herpes simplex. II. Advantages. Pavan-Langston D, et al. *Surv Ophthalmol* 23(1):35, 43-7, Jul-Aug 78

Glucocorticoid therapy in ocular herpes simplex. Editor's comment. Waring GO 3d. *Surv Ophthalmol* 23(1):48, Jul-Aug 78

[Steroid therapy of autoimmune diseases (including pulse therapy)] Ichikawa Y, et al. *Nippon Rinsho Suppl*:1192-3, May 78 (Jpn)

[Effect of androgenic hormones on treatment of aplastic anemia—retrospective study (author's transl)] Toyama K. *Rinsho Ketsueki* 19(7):964-70, Jul 78 (Eng. Abstr.) (Jpn)

### ADVERSE EFFECTS

Glucorticoid therapy in ocular herpes simplex. I. Limitations. Ostler HB. *Surv Ophthalmol* 23(1):35-43, Jul-Aug 78  
[Steroid diabetes] Maksimova MV. *Med Sestra* 37(7):31-2, Jul 78 (Rus)

### ANTAGONISTS & INHIBITORS

The mediation of endotoxemic effects. Berry LJ. *Toxicon Suppl* (1):869-87, 1978 (50 ref.)  
Cell mediators of endotoxic effects. Moore RN, et al. *Toxicon Suppl* (1):899-905, 1978

### BLOOD

Antibody titers and plasma glucocorticoid concentrations near weaning in steer and heifer calves. Gwazdauskas FC, et al. *Can Vet J* 19(6):150-4, Jun 78

### DEFICIENCY

Role of plasma vasopressin in impaired water excretion of glucocorticoid deficiency. Boykin J, et al. *J Clin Invest* 62(4):738-44, Oct 78

[ACTH unresponsiveness] Tsuruhara T, et al. *Nippon Rinsho Suppl*:1508-9, May 78 (Jpn)

### METABOLISM

Molecular mechanisms of steroid hormone action. Higgins SJ, et al. *Adv Cancer Res* 28:313-97, 1978 (458 ref.)

Some aspects of the hormonal control of cellular calcium metabolism. Rasmussen H, et al. *Ann NY Acad Sci* 307:391-401, 28 Apr 78

The mode of action of immunosuppressive agents. Bach JF. *Front Biol* 41:1-374, 1975

Endotoxin-glucocorticoid interactions with hormone specific receptors in the rat. Agarwal MK. *Toxicon Suppl* (1):857-68, 1978

[Induction of glucocorticoid hormone receptors in continuous human T-lymphocyte cultures (proceedings)] Bonnard GD, et al. *Schweiz Med Wochenschr* 108(41):1603, 14 Oct 78 (Eng. Abstr.) (Fre)

[Sex chromatin and glucocorticoid hormone metabolism in breast cancer patients] Smiller RR, et al. *Vopr Onkol* 24(8):91-3, 1978 (Eng. Abstr.) (Rus)

## PHARMACODYNAMICS

- Molecular mechanisms of steroid hormone action. Higgins SJ, et al. *Adv Cancer Res* 28:313-97, 1978 (458 ref.)
- Differences in inducibility by glucocorticoids of rat liver TO and TAT. Voigt J, et al. *Am J Physiol* 235(4):E374-80, Oct 78
- Catecholamines: effects of ACTH and adrenal corticoids. Axelrod J. *Ann NY Acad Sci* 297:275-83, 28 Oct 77
- The cells of origin of ACTH in man. Halmi NS, et al. *Ann NY Acad Sci* 297:167-82, 28 Oct 77
- Coordinate repression of cholesterol biosynthesis and cytoplasmic 3-hydroxy-3-methylglutaryl coenzyme A synthase by glucocorticoids in HeLa cells. Ramachandran CK, et al. *Arch Biochem Biophys* 189(1):205-11, Jul 78
- Effect of glucocorticoids on calcium binding to plasma membranes of livers during regeneration. Kagawa K, et al. *Biochem Biophys Res Commun* 83(4):1299-305, 29 Aug 78
- Interactions of anti-inflammatory steroids with PG system in adipose tissue. Lewis GP, et al. *Biochem Pharmacol* 27(10):1409-12, 15 May 78 (24 ref.)
- Prostaglandin production by macrophages and the effect of anti-inflammatory drugs. Bray MA, et al. *Br J Pharmacol* 63(4):635-42, Aug 78
- The effect of cholinesterase inhibitors and corticosteroids on rat nerve-muscle preparations treated with hemicholinium-3. Leeuw RS, et al. *Eur J Pharmacol* 50(4):393-401, 15 Aug 78
- The mode of action of immunosuppressive agents. Bach JF. *Front Biol* 41:1-374, 1975
- A macrophage tumor cell line and plasminogen activator. A potential model system for macrophage regulation of enzyme production. Hamilton JA, et al. *J Exp Med* 148(3):811-6, 1 Sep 78
- Glucocorticoid inhibits elevated polyamine biosynthesis in psoriasis. Russell DH, et al. *J Invest Dermatol* 71(3):177-81, Sep 78
- Glucocorticoids and intestinal cell proliferation [letter] Scott J, et al. *N Engl J Med* 299(16):901, 19 Oct 78
- [Regulation of transcription in mammary gland during lactogenesis (author's trans)] Chomczyński P. *Postepy Biochem* 24(2):195-219, 1978 (Pol)
- [Sex differences in brain functioning and effects related to them] Vunder PA. *Usp Sovrem Biol* 86(1):129-42, Jul-Aug 78 (104 ref.) (Rus)
- [The mechanism of the effect of glucocorticoids] Alexandrová M. *Cesk Fysiol* 27(4):317-31, 1978 (Slo)

## PHYSIOLOGY

- Adrenal steroid feedback on neuroendocrine tissues. McEwen BS. *Ann NY Acad Sci* 297:568-79, 28 Oct 77
- Induction of cleft palates by triamcinolone acetate: re-examination of the problem. Bekhor I, et al. *Cleft Palate J* 15(3):220-32, Jul 78 (76 ref.)
- Alcohol induced changes of carbohydrate metabolism [author's transl] Ishii H, et al. *Leber Magen Darm* 8(5):247-54, Oct 78 (Eng. Abstr.) (Ger)
- [Effect of endogenous glucocorticosteroids on TRH-induced TSH secretion] Naumczyk-Zaremba J, et al. *Endokrynol Pol* 29(4):289-5, Jul-Aug 78 (Eng. Abstr.) (Pol)

## THERAPEUTIC USE

- Management of recurrent aphthous stomatitis. A review. Rostas A, et al. *Cutis* 22(2):183-9, Aug 78 (30 ref.)
- Glucorticoid therapy in ocular herpes simplex. I. Limitations. Ostler HB. *Surv Ophthalmol* 23(1):35-43, Jul-Aug 78
- Glucorticoid therapy in ocular herpes simplex. II. Advantages. Pavan-Langston D, et al. *Surv Ophthalmol* 23(1):35, 43-7, Jul-Aug 78
- Glucorticoid therapy in ocular herpes simplex. Editor's comment. Waring GO 3d. *Surv Ophthalmol* 23(1):48, Jul-Aug 78
- [Chronic inflammatory intestinal diseases in childhood (editorial)] Binder V. *Ugeskr Laeger* 140(30):1831-2, 24 Jul 78 (Dan)
- [Meningitis therapy (letter)] Kaiser H. *Dtsch Med Wochenschr* 103(42):1642, 20 Oct 78 (Ger)
- [Roundtable conference: 'Interactions of anti-rheumatic drugs'] Jesserer H, et al. *Verh Dtsch Ges Rheumatol* 5:283-7, 1978 (Ger)
- [Effect of androgenic hormones on treatment of aplastic anemia--retrospective study (author's transl)] Toyama K. *Rinsho Ketsueki* 19(7):964-70, Jul 78 (Eng. Abstr.) (Jpn)
- [Complex treatment of demyelinating diseases of the nervous system in children and adolescents] Bondarenko ES, et al. *Sov Med* (7):74-9, Jul 78 (Eng. Abstr.) (Rus)
- [Experience with glucocorticosteroids and magnetic fields in

the intensive therapy of severe viral hepatitis] Il'inskii IuA, et al. *Sov Med* (9):72-4, Sep 78 (Eng. Abstr.) (Rus)

## URINE

- [Steroid balance in patients with breast hyperplasia] Samundzhan EM, et al. *Vopr Onkol* 24(8):83-7, 1978 (Eng. Abstr.) (Rus)
- [Glucocorticoid activity of the adrenal cortex in sexual disorders in men] Imshinetskaia LP. *Vrach Delo* (8):46-9, 1978 (Eng. Abstr.) (Rus)
- [Adrenal glucocorticoid and mineralocorticoid functions in postthyrotoxic encephalopathy] Romashkan NV, et al. *Vrach Delo* (9):94-7, Sep 78 (Eng. Abstr.) (Rus)

## HYDROCORTISONE

- Interactions of immunoglobulins with liposomes: an ESR and diffusion study demonstrating protection by hydrocortisone. Schieren H, et al. *Biochem Biophys Res Commun* 82(4):1160-7, 29 Jun 78
- Hydrocortisone revisited. An historical and experimental evaluation. Kligman AM, et al. *Cutis* 22(2):232-44, Aug 78 (52 ref.)
- Mathematical models for the release of drugs from matrix tablets. Cobby J. *J Biomed Mater Res* 12(5):627-34, Sep 78
- Simultaneous solubilization of steroid hormones I: estrogens and C21 steroids. Lövgren T, et al. *J Pharm Sci* 67(10):1419-22, Oct 78
- [Reversible conformational changes in components of the transcortin-steroid complex] Akhram AA, et al. *Dokl Akad Nauk SSSR* 241(5):1207-9, 11 Aug 78 (Rus)

## ADMINISTRATION &amp; DOSAGE

- Effects of cortisol administration on components of the hepatic microsomal mixed function oxidase system (MFO) of immature rainbow trout (*Salmo gairdnerii* Rich.). Hansson T, et al. *Acta Pharmacol Toxicol (Copenh)* 43(1):6-12, Jul 78
- Differences in inducibility by glucocorticoids of rat liver TO and TAT. Voigt J, et al. *Am J Physiol* 235(4):E374-80, Oct 78
- Electrical activity of hypothalamus during activation of pituitary-adrenocortical system. Filaretov AA, et al. *Brain Res* 156(1):67-74, 3 Nov 78
- Hydrocortisone revisited. An historical and experimental evaluation. Kligman AM, et al. *Cutis* 22(2):232-44, Aug 78 (52 ref.)
- Effects of hydrocortisone and prednisolone on the diuretic and antidiuretic effects of prostaglandin E2 in rats. Fujimoto S. *Jpn J Pharmacol* 28(2):329-31, Apr 78
- [Experience with heparin and hydrocortisone administration during the 1st phase of myocardial infarct] Lupinek Z, et al. *Vnitř Lek* 24(10):987-91, Oct 78 (Eng. Abstr.) (Cze)
- [Use of corticosteroids in pediatrics, especially in children with congenital adrenal cortex hyperplasia (adrenogenital syndrome)] Visser HK. *Ned Tijdschr Geneesk* 122(38):1406-10, 23 Sep 78 (Dut)
- [Anesthesia and postoperative management in surgery for adrenal cortex neoplasms in children. Apropos of 24 cases] Dubousset AM, et al. *Anesth Analg (Paris)* 35(2):279-85, Mar-Apr 78 (Fre)
- [The effect of cortisol infusion on plasma renin activity, aldosterone levels and 11-deoxycorticosterone levels in humans (author's transl)] Sugawara T. *Nippon Naibunpi Gakkai Zasshi* 54(5):710-8, 20 May 78 (Eng. Abstr.) (Jpn)
- [Systemic and local administration of oxytetracycline in the treatment of acne vulgaris] Silny W, et al. *Przegl Dermatol* 65(3):305-10, May-Jun 78 (Eng. Abstr.) (Pol)
- [Personal method of endotubal therapy] Chirileanu C. *Rev Chir [Otorinolaringol]* 23(3):181-4, Jul-Sep 78 (Rum)
- [Patient management after bilateral total adrenalectomy] Butrova SA, et al. *Probl Endokrinol (Mosk)* 24(5):54-5, Sep-Oct 78 (Rus)

## ADVERSE EFFECTS

- Hydrocortisone revisited. An historical and experimental evaluation. Kligman AM, et al. *Cutis* 22(2):232-44, Aug 78 (52 ref.)
- Prolonged lifespan and high incidence of neoplasms in NZB/NZW mice treated with hydrocortisone sodium succinate. Walker SE, et al. *Kidney Int* 14(2):151-7, Aug 78



## ANALOGS &amp; DERIVATIVES

- Relationships between conformation of antigen and specificity of antibody in radioimmunoassay for steroid hormone. III. Highly specific cortisol-antibody against 6 $\alpha$ - and 6 $\beta$ -hydroxycortisol 6-hemisuccinate-bovine serum albumin conjugates. Sone H, et al. *Chem Pharm Bull (Tokyo)* 26(9):2819-23, Sep 78
- Suppression of the hypothalamic-pituitary-adrenal axis after oral hydrocortisone succinate ingestion in rats. Mims RB. *J Natl Med Assoc* 70(1):37-40, Jan 78
- Enzyme immunoassay for cortisol in serum using cortisol 21-amine. Kobayashi Y, et al. *Steroids* 32(1):137-44, Jul-Aug 78
- [Clinical trial with hydrocortisone-17-butyrate in reactive dermatitis of the face and mucosa] Ahumada Padilla M, et al. *Alergia* 25(1):23-31, Jan 78 (Eng. Abstr.) (Spa)

## ANALYSIS

- Detecting and treating dental phobic children: part I, detection. Keys J. *ASDC J Dent Child* 45(4):296-300, Jul-Aug 78
- Detection of bovine serum albumin interference in radioimmunoassay systems [letter] Shearer MR, et al. *Clin Chem* 24(10):1857-8, Oct 78
- Adrenal status assessed by direct radioimmunoassay of cortisol in whole saliva or parotid saliva. Walker RF, et al. *Clin Chem* 24(9):1460-3, Sep 78

## BIOSYNTHESIS

- Evidence of the in vitro formation of cortisol by the adrenal gland of embryonic and young chickens (*Gallus domesticus*). Nakamura T, et al. *Gen Comp Endocrinol* 35(3):302-8, Jul 78
- Maternal and fetal plasma steroid hormone levels in vaginal delivery with and without ACTH infusion. Miyakawa I, et al. *Int J Gynaecol Obstet* 15(6):539-44, 1978
- Angiotensin stimulates cortisol biosynthesis in human adrenal cells in vitro. McKenna TJ, et al. *Steroids* 32(1):127-36, Jul-Aug 78

## BLOOD

- ACTH and cortisol response to bromocriptine, and results of long-term therapy, in Cushing's disease. Kennedy AL, et al. *Acta Endocrinol (Copenh)* 89(3):461-8, Nov 78
- Effect of glucocorticoids on plasma testosterone in men. Schaison G, et al. *Acta Endocrinol (Copenh)* 89(1):126-31, Sep 78
- Effects of cortisol administration on components of the hepatic microsomal mixed function oxidase system (MFO) of immature rainbow trout (*Salmo gairdnerii* Rich.). Hansson T, et al. *Acta Pharmacol Toxicol (Copenh)* 43(1):6-12, Jul 78
- Reproducibility of mean values of duplicate specimens in the Basic Ligand Assay Survey. Haven GT, et al. *Am J Clin Pathol* 70(3 Suppl):532-8, Sep 78
- First 24 hours of acute pancreatitis. A biochemical and endocrine evaluation of initial versus repeated attacks. Drew SI, et al. *Am J Gastroenterol* 70(1):66-72, Jul 78
- The effect of oral contraceptive treatment on the serum concentration of dehydroisoandrosterone sulfate. Madden JD, et al. *Am J Obstet Gynecol* 132(4):380-4, 15 Oct 78
- Desoxycorticosterone in normal pregnancy. I. Sequential studies of the secretory patterns of desoxycorticosterone, aldosterone, and cortisol. Nolten WE, et al. *Am J Obstet Gynecol* 132(4):414-20, 15 Oct 78
- Plasma cortisol in the chronic rhesus monkey preparation (*Macaca mulatta*). Socol ML, et al. *Am J Obstet Gynecol* 132(4):421-4, 15 Oct 78
- The cytochemical bioassay of corticotropin (ACTH). Daly JR, et al. *Ann NY Acad Sci* 297:242-59, 28 Oct 77
- Withdrawal from long-term high-dose desipramine therapy. Clinical and biological changes. Brown GM, et al. *Arch Gen Psychiatry* 35(10):1261-4, Oct 78
- Detecting and treating dental phobic children: part I, detection. Keys J. *ASDC J Dent Child* 45(4):296-300, Jul-Aug 78
- Hormonal responses of sedentary and exercising men to recurrent heat exposure. Francesconi RP, et al. *Aviat Space Environ Med* 49(9):1102-6, Sep 78
- Effect of endotoxic shock on renal and hormonal functions. Oyama T, et al. *Can Anaesth Soc J* 25(5):380-91, Sep 78
- Flunisolide nasal spray in the treatment of perennial rhinitis. Horan JD, et al. *Can Med Assoc J* 119(4):334-8, 26 Aug 78
- A convenient method for the determination of non-specific binding in commercially available solid phase iodine labeled radioimmunoassay kits. Carter P. *Clin Biochem* 11(3):97-100, Jun 78
- Direct solid-phase <sup>125</sup>I radioimmunoassay of serum cortisol. Brock P, et al. *Clin Chem* 24(9):1595-8, Sep 78
- Simple radioimmunoassay of cortisol in diluted samples of human plasma. Connolly TM, et al. *Clin Chem* 24(9):1468-72, Sep 78
- Androgen and cortisol responses to ACTH stimulation in women with hyperprolactinaemia. Kandeel FR, et al. *Clin Endocrinol (Oxf)* 9(2):123-30, Aug 78
- Neuroendocrine correlates of clinical response during withdrawal from chlorthalidopoxide. Brown WA, et al. *Commun Psychopharmacol* 2(3):251-4, 1978
- The regulation of plasma ketone body concentration by counter-regulatory hormones in man. II. Effects of growth hormone in diabetic man. Schade DS, et al. *Diabetes* 27(9):916-24, Sep 78
- Adrenal function and ascorbic acid concentrations in elderly women. Dubin B, et al. *Gerontology* 24(6):473-6, 1978
- Endocrine responses to malnutrition in man. pp. 321-9. Jaya Rao KS. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (38 ref.)
- Endocrine responses to malnutrition in animals with special reference to metabolic hormones. pp. 313-20. Leatham J. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (35 ref.)
- Endocrine concomitants of the sleep-wake rhythm in man. pp. 124-31. Quabbe HJ. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (34 ref.)
- Annual endocrine rhythms in healthy young adult men: their implication in human biology and medicine. pp. 113-21. Reinberg A, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (34 ref.)
- Maternal and fetal plasma steroid hormone levels in vaginal delivery with and without ACTH infusion. Miyakawa I, et al. *Int J Gynaecol Obstet* 15(6):539-44, 1978
- Stress and menstrual distress. Sommer B. *J Human Stress* 4(3):5-10, 41-7, Sep 78 (86 ref.)
- The adrenal response to exogenous adrenocorticotrophin in patients with infections due to *Neisseria meningitidis*. Wajchenberg B, et al. *J Infect Dis* 138(3):387-91, Sep 78
- Radioimmunoassay of corticosterone, cortisol and cortisone: their application to human cord and maternal plasma. Sulon J, et al. *J Steroid Biochem* 9(7):671-6, Jul 78
- Successful canine adrenal autotransplantation. Prinz RA, et al. *J Surg Res* 25(3):217-21, Sep 78
- Control of plasma aldosterone in a patient with Conn's syndrome before and during spironolactone medication. Vetter H, et al. *Klin Wochenschr* 53(8):391-3, 15 Apr 75
- Hormonal response to stress in the squirrel monkey (*Saimiri sciureus*). Coe CL, et al. *Neuroendocrinology* 26(6):367-77, 1978
- Unconjugated estriol and cortisol in maternal and cord serum and amniotic fluid in normal and abnormal pregnancy. Goldkrand JW. *Obstet Gynecol* 52(3):264-71, Sep 78
- On the mechanism of hyperglycemia and stimulation of growth hormone secretion by L-dopa. Hampshire J, et al. *Pharmacology* 17(3):138-48, 1978
- Impairment of vigilance and performance under lithium-treatment. Studies in patients and normal volunteers. Müller-Oerlinghausen B, et al. *Pharmakopsychiatr Neuropsychopharmakol* 10(2):67-78, Mar 77
- Ultrastructural changes in the placenta of the ewe after fetal pituitary stalk section. Steven DH, et al. *Q J Exp Physiol* 63(3):221-9, Jul 78
- The manifestations, aetiology and assessment of ethanol-induced hangover. Anylian GH, et al. *S Afr Med J* 54(5):193-8, 29 Jul 78 (44 ref.)
- Enzyme immunoassay for cortisol in serum using cortisol 21-amine. Kobayashi Y, et al. *Steroids* 32(1):137-44, Jul-Aug 78
- Angiotensin stimulates cortisol biosynthesis in human adrenal cells in vitro. McKenna TJ, et al. *Steroids* 32(1):127-36, Jul-Aug 78
- The effect of the administration of spironolactone on the concentration of plasma testosterone, estradiol and cortisol in male dogs (1). Menard RH, et al. *Steroids* 31(6):771-82, Jun 78



## HYDROCORTISONE

## ADRENAL

- [Biochemical basis for the study of steroid hormones (proceedings)] Degrelle H. *Ann Biol Clin (Paris)* 36(3):168-71, 1978 (Fre)
- [Adaptation of blood sugar regulation during muscular activity. Effects of training] Bopp J, et al. *C R Soc Biol (Paris)* 172(2):245-50, 1978 (Eng. Abstr.) (Fre)
- [Investigations of the plasma cortisol in psychiatric diagnostic groups (author's transl)] Diebold K, et al. *Arch Psychiatr Nervenkr* 226(1):29-35, 9 Oct 78 (Eng. Abstr.) (Ger)
- [Behavior of some hormones in pregnancy and their influence on carbohydrate metabolism] Cappa F, et al. *Boll Soc Ital Biol Sper* 54(7):647-50, 15 Apr 78 (Ita)
- [Plasma cortisol response to trimethaphan (Arfonad) induced hypotension anesthesia (author's transl)] Takiguchi M, et al. *Masui* 27(8):829-34, Aug 78 (Eng. Abstr.) (Jpn)
- [Effect of dopamine on renal and endocrine functions during canine endotoxin shock (author's transl)] Wakayama S. *Masui* 27(7):684-93, Jul 78 (Eng. Abstr.) (Jpn)
- [Radioimmunoassay for plasma betamethasone and its application for clinical study (author's transl)] Kano T, et al. *Nippon Naibunpi Gakkai Zasshi* 54(5):654-65, 20 May 78 (Eng. Abstr.) (Jpn)
- [Plasma cortisol level in patients with affective disturbances and its correlation with tryptophan and 5-hydroxyindoleacetic acid. (preliminary communication)] Taracha E, et al. *Psychiatr Pol* 12(3):317-23, May-Jun 78 (Eng. Abstr.) (Pol)
- [Radiocompetitive assay of cortisol and plasma protein binding capacity of cortisol in the course of surgical treatment of hyperactive struma] Puchalski Z. *Rocz Akad Med Białymstoku* 22:108-40, 1977 (Eng. Abstr.) (Pol)
- [Changes in the quality of hormones in blood plasma and ischemic heart disease risk factors in 40-59-year-old men] Gerasimova EN, et al. *Vopr Med Khim* 24(5):657-66, Sep-Oct 78 (Eng. Abstr.) (Rus)

### CHEMICAL SYNTHESIS

- Enzyme immunoassay for cortisol in serum using cortisol 21-amine. Kobayashi Y, et al. *Steroids* 32(1):137-44, Jul-Aug 78

### DIAGNOSTIC USE

- Enzyme immunoassay for cortisol in serum using cortisol 21-amine. Kobayashi Y, et al. *Steroids* 32(1):137-44, Jul-Aug 78
- [Study of granulocytic reserve of the bone marrow with the aid of the hydrocortisone test] Osadchaia TI. *Lab Delo* (8):471-4, 1978 (Eng. Abstr.) (Rus)

### IMMUNOLOGY

- Relationships between conformation of antigen and specificity of antibody in radioimmunoassay for steroid hormone. III. Highly specific cortisol-antibody against 6alpha- and 6beta-hydroxycortisol 6-hemisuccinate-bovine serum albumin conjugates. Sone H, et al. *Chem Pharm Bull (Tokyo)* 26(9):2819-23, Sep 78

### METABOLISM

- The transfer and metabolism of corticosteroids in the perfused human placenta. Levitz M, et al. *Am J Obstet Gynecol* 132(4):363-6, 15 Oct 78
- Binding of aldosterone to cytoplasmic and nuclear receptors of the urinary bladder epithelium of *Bufo marinus*. Kusch M, et al. *Am J Physiol* 235(3):C82-9, Sep 78
- Thermal activation of steroid binding principle in commercial bovine serum albumin. Agarwal MK, et al. *FEBS Lett* 93(1):129-32, 1 Sep 78
- Structure requirements and affinity of steroids to bind with receptor for induction of differentiation of cultured mouse myeloid leukemia cells. Honma Y, et al. *Gan* 68(4):405-12, Aug 77
- The hepatic catabolism of cortisol in teleost fish—adrenal origin of 11-oxotestosterone precursors. Kime DE. *Gen Comp Endocrinol* 35(3):322-8, Jul 78
- Effects of ascorbic acid deficiency on adrenal mitochondrial hydroxylations in guinea pigs. Björkhem I, et al. *J Lipid Res* 19(6):695-704, Aug 78
- Unconjugated estriol and cortisol in maternal and cord serum and amniotic fluid in normal and abnormal pregnancy. Goldkrand JW. *Obstet Gynecol* 52(3):264-71, Sep 78
- [Radiocompetitive assay of cortisol and plasma protein binding capacity of cortisol in the course of surgical treatment of hyperactive struma] Puchalski Z.

- Rocz Akad Med Białymstoku* 22:108-40, 1977 (Eng. Abstr.) (Pol)
- [System of recognition] (or 'system of preference') for corticosteroids in the hepatocyte plasmatic membrane] Sergeev PV, et al. *Farmakol Toksikol* 41(5):597-601, Sep-Oct 78 (Eng. Abstr.) (Rus)

### PHARMACODYNAMICS

- Effects of cortisol administration on components of the hepatic microsomal mixed function oxidase system (MFO) of immature rainbow trout (*Salmo gairdnerii* Rich.). Hansson T, et al. *Acta Pharmacol Toxicol (Copenh)* 43(1):6-12, Jul 78
- Pathogenesis of hypercalcemia in lymphosarcoma cell leukemia. Role of an osteoclast activating factor-like substance and a mechanism of action for glucocorticoid therapy. Mundy GR, et al. *Am J Med* 65(4):600-6, Oct 78
- Differences in inducibility by glucocorticoids of rat liver TO and TAT. Voigt J, et al. *Am J Physiol* 235(4):E374-80, Oct 78
- Effect of graded doses of cortisol on total body calcium in rats. Yasumura S, et al. *Am J Physiol* 231(6):1760-3, Dec 76
- Effect of hydrocortisone on the response of rat lymphocytes to phytohemagglutinin. Mansour A, et al. *Aust J Exp Biol Med Sci* 56(3):301-11, Jun 78
- Effect of glucocorticoids on calcium binding to plasma membranes of livers during regeneration. Kagawa K, et al. *Biochem Biophys Res Commun* 83(4):1299-305, 29 Aug 78
- Effect of adrenalectomy on acceleration of gluconeogenesis by calcium ions, adenosine 3':5'-cyclic monophosphate and adrenaline in rat kidney tubules. MacDonald DW, et al. *Biochem J* 174(2):641-6, 15 Aug 78
- Effects of morphine on isoenzymes of pyruvate kinase and tyrosine aminotransferase in rat. Wong SC, et al. *Biochem Pharmacol* 27(9):1347-51, 1 May 78
- Effects of administration of hydrocortisone, actinomycin D and puromycin on carbamoylphosphate synthetase-I and ornithine carbamoyltransferase activities in fetal rat liver. Gautier C, et al. *Biol Neonate* 33(5-6):289-96, 1978
- Effect of hydrocortisone on phenylhydrazine-induced Heinz-body anemia. Jain SK, et al. *Can J Physiol Pharmacol* 56(4):677-9, Aug 78
- Glucocorticoid binding and [3H]thymidine incorporation into DNA in embryonic chick cell cultures. Fodge DW, et al. *Cancer Res* 38(10):3391-7, Oct 78
- Relation between steroid receptor content and the response to hormone addition in isolated human breast cancer cells in short-term culture. Israel N, et al. *Cancer Res* 38(11 Pt 2):4314-7, Nov 78
- Effect of glucocorticoid hormones in vitro on the structural integrity of nuclei in corticosteroid-sensitive and -resistant lines of lymphosarcoma P1798. Nicholson ML, et al. *Cancer Res* 38(11 Pt 1):3673-80, Nov 78
- Serial cultivation of strains of human epidermal keratinocytes: the formation of keratinizing colonies from single cells. Rheinwald JG, et al. *Cell* 6(3):331-43, Nov 75
- Formation of a keratinizing epithelium in culture by a cloned cell line derived from a teratoma. Rheinwald JG, et al. *Cell* 6(3):317-30, Nov 75
- Regulatory function of T lymphocytes in the immune response to polyvinyl pyrrolidone. II. Characterization of the intrinsic suppressor and the induced suppressor. Inaba K, et al. *Cell Immunol* 39(2):276-88, Sep 78
- Inhibition of polyclonal B-cell activation by suppressor monocytes in patients with sarcoidosis. Katz P, et al. *Clin Exp Immunol* 32(3):554-62, Jun 78
- Effect of drugs on the stimulation threshold of the human heart. Svorčík C, et al. *Cor Vasa* 20(3):184-95, 1978
- Lack of effect of prolonged hydrocortisone administration on the percentage of liver histone fractions in guinea pigs. Grabowska-Bochenek R, et al. *Endokrynol Pol* 29(4):339-42, Jul-Aug 78
- The effect of drugs on enzyme release from the hypoxic myocardium. Hearse DJ, et al. *Eur J Cardiol* 7(5-6):421-36, Jul 78
- Antigen-specific suppression of cytotoxic T cell responses in mice. I. Suppressor T cells are not cytotoxic cells. Al-Adra AR, et al. *Eur J Immunol* 8(7):504-11, Jul 78
- Inhibition of absorption capacity of HLA antigens on in vitro hormone-treated lymphocytes. Májský A, et al. *Folia Haematol (Leipz)* 105(3):302-5, 1978
- Structure requirements and affinity of steroids to bind with receptor for induction of differentiation of cultured mouse myeloid leukemia cells. Honma Y, et al. *Gan* 68(4):405-12, Aug 77
- Effect of cortisol on the metabolism of the eel, *Anguilla japonica*. Chan DK, et al. *Gen Comp Endocrinol* 35(3):205-15, Jul 78



- Endocrine response in osmoregulation: hormonal adaptation in aquatic birds. pp. 230-9. Holmes WN.  
In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (35 ref.)
- Some mechanisms involved in cancer cell detachment by necrotic material. Weiss L. *Int J Cancer* 22(2):196-203, 15 Aug 78
- Effect of diet on adenylosuccinase activity in various organs of rat and chicken. Brand LM, et al. *J Biol Chem* 253(19):6872-8, 10 Oct 78
- Effects of adrenalectomy on the amino acid and glucose metabolism of perfused rat hindlimbs. Caldwell MD, et al. *J Biol Chem* 253(19):6837-44, 10 Oct 78
- Glucocorticoid induction of hepatic alpha2u-globulin synthesis and messenger RNA level in castrated male rats in vivo. Kurtz DT, et al. *J Biol Chem* 253(21):7886-90, 10 Nov 78
- Differential effects of hydrocortisone on both growth and collagen metabolism of human fibroblasts from normal and keloid tissue. Russell JD, et al. *J Cell Physiol* 97(2):221-9, Nov 78
- Secretion of casein in cultures of mouse mammary epithelial cells on floating collagen gels. Enami J, et al. *J Dairy Sci* 61(6):729-32, Jun 78
- Selective sensitivity to hydrocortisone of regulatory functions that determine the magnitude of the antibody response to type III pneumococcal polysaccharide. Markham RB, et al. *J Immunol* 121(3):829-34, Sep 78
- Opposing reactivities of subpopulations of T lymphocytes toward syngeneic tumor cells: separation of early thymocytes. Small M. *J Immunol* 121(3):1167-72, Sep 78
- The stability of vitamin A-induced metaplasia of mouse vibrissa follicles in vitro. Hardy MH, et al. *J Invest Dermatol* 71(4):236-41, Oct 78
- Steroid hormone alteration of herpes simplex virus type 1 replication. Notter MF, et al. *J Med Virol* 2(3):247-52, 1978
- Primary culture of rat mammary epithelial cells. I. Effect of plating density, hormones, and serum on DNA synthesis. Richards J, et al. *J Natl Cancer Inst* 61(3):765-71, Sep 78
- Suppression of the hypothalamic-pituitary-adrenal axis after oral hydrocortisone succinate ingestion in rats. Mims RB. *J Natl Med Assoc* 70(1):37-40, Jan 78
- Induction of sulfolactosylceramide (sulfatide) synthesis by hydrocortisone (cortisol) in mouse G-26 oligodendrogloma cell strains. Dawson G, et al. *J Neurochem* 31(4):1091-4, Oct 78
- Effect of cross-clamp time, temperature, and cardioplegic agents on myocardial function after induced arrest. Kay HR, et al. *J Thorac Cardiovasc Surg* 76(5):590-603, Nov 78
- Effects of hydrocortisone and prednisolone on the diuretic and antidiuretic effects of prostaglandin E2 in rats. Fujimoto S. *Jpn J Pharmacol* 28(2):329-31, Apr 78
- Prolonged lifespan and high incidence of neoplasms in NZB/NZW mice treated with hydrocortisone sodium succinate. Walker SE, et al. *Kidney Int* 14(2):151-7, Aug 78
- Effect of quenching agents on the activity of nystatin against *Candida albicans*. Elkhoul AE. *Mykosen* 21(9):300-6, Sep 78
- Influence of exogenous cortisol and triglyceride feeding on glucose homeostasis in the fasted newborn rat. Ferre P, et al. *Pediatr Res* 12(7):751-6, Jul 78
- Changes in membrane potential of human granulocytes antecede the metabolic responses to surface stimulation. Korchak HM, et al. *Proc Natl Acad Sci USA* 75(8):3818-22, Aug 78
- Inhibition of dimethyl sulfoxide-stimulated Friend cell erythroid differentiation by hydrocortisone and other steroids. Scher W, et al. *Proc Natl Acad Sci USA* 75(8):3851-5, Aug 78
- Effects of ACTH and the adrenals on serum and antral gastrin levels in the rat. Sander LD, et al. *Proc Soc Exp Biol Med* 158(4):609-13, Sep 78
- Pituitary stalk-section and some of its effects on endocrine function in the fetal lamb. Abel MH, et al. *Q J Exp Physiol* 63(3):211-9, Jul 78
- Effect of hydrocortisone on the elimination of fibrin from the pulmonary vessels in the rat. Diffang C, et al. *Thromb Res* 13(1):25-36, Jul 78
- Pharmacologic reversal of selected effects of endotoxin. Goodrum KJ, et al. *Toxicol Suppl* (1):889-97, 1978
- Cell mediators of endotoxic effects. Moore RN, et al. *Toxicol Suppl* (1):899-905, 1978
- Mechanism of induction of tyrosine in rat liver by phenothiazine derivatives and related chemical compounds] Amory C, et al. *C R Acad Sci [D] (Paris)* 287(3):173-6, 17 Jul 78 (Eng. Abstr.) (Fre)
- [Decreased motility of bone marrow neutrophils, a further disorder in pernicious anemia] Deubelbeiss KA, et al. *Schweiz Med Wochenschr* 108(41):1588, 14 Oct 78 (Ger)
- [In vitro penetration of drugs into the pulp by diffusion] Esztári I, et al. *Fogorv Sz* 71(8):247-50, Aug 78 (Eng. Abstr.) (Hun)
- [Influence of hydrocortisone on the response of isolated coronary arteries to noradrenaline] Bettini V, et al. *Boll Soc Ital Biol Sper* 54(3):240-3, 15 Feb 78 (Ita)
- [A comparative study of effects of hydrocortisone, methylprednisolone and bethamethasone on isolated vascular smooth muscle of rabbit aorta (author's transl)] Kemmotsu O, et al. *Masui* 27(9):954-60, Sep 78 (Eng. Abstr.) (Jpn)
- [The effect of cortisol infusion on plasma renin activity, aldosterone levels and 11-deoxycorticosterone levels in humans (author's transl)] Sugawara T. *Nippon Naibunpi Gakkai Zasshi* 54(5):710-8, 20 May 78 (Eng. Abstr.) (Jpn)
- [Hydrocortisone and prednisolone solubilization in aqueous solutions of glyciram] Krasova TG, et al. *Farmatsiia* 27(5):32-5, Sep-Oct 78 (Rus)
- [Effect of hydrocortisone on the sodium and potassium content and distribution in rat hippocampus sections] Emel'ianov NA, et al. *Probl Endokrinol (Mosk)* 24(5):87-91, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Effect of immunosuppressive agents on the immunity organs during development of destructive pulmonary tuberculosis] Selitskaia RP, et al. *Probl Tuberk* (8):56-63, Aug 78 (Eng. Abstr.) (Rus)
- [Effect of hydrocortisone on the radiosensitivity of hematopoietic stem cells] Shvets VN. *Radiobiologiya* 18(4):529-34, Jul-Aug 78 (Eng. Abstr.) (Rus)
- [Glycogen distribution in intact and regenerating dog and piglet epidermis under different experimental conditions] Iakovleva ND. *Vestn Dermatol Venerol* (8):56-60, Aug 78 (Eng. Abstr.) (Rus)
- [Osmotic resistance of erythrocytes in guinea pigs treated simultaneously with thyroxine and hydrocortisone] Skerović Dj, et al. *Srp Arh Celok Lek* 105(9):713-7, Sep 77 (Eng. Abstr.) (Scc)

## PHYSIOLOGY

- Hormonal control of sodium transport by the gills of teleost fish. pp. 204-9. Evans DH.  
In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Maternal and fetal plasma steroid hormone levels in vaginal delivery with and without ACTH infusion. Miyakawa I, et al. *Int J Gynaecol Obstet* 15(6):539-44, 1978
- [Behavior of some hormones in pregnancy and their influence on carbohydrate metabolism] Cappa F, et al. *Boll Soc Ital Biol Sper* 54(7):647-50, 15 Apr 78 (Ita)

## SECRETION

- Effect of ACTH on cytochrome P450 systems of the adrenal cortex. Brownie AC, et al. *Ann NY Acad Sci* 297:349-60, 28 Oct 77
- ACTH and cortisol secretion in psychiatric disease. Sachar EJ. *Ann NY Acad Sci* 297:621-7, 28 Oct 77
- Growth hormone, prolactin and cortisol responses and growth patterns in hyperkinetic children treated with dextro-amphetamine. Preliminary findings. Puig-Antich J, et al. *J Am Acad Child Psychiatry* 17(3):457-75, Summer 78
- [Biochemical basis for the study of steroid hormones (proceedings)] Degrelle H. *Ann Biol Clin (Paris)* 36(3):168-71, 1978 (Fre)
- [Circadian rhythms in man. Their incidence in endocrinology (author's transl)] Mainard F, et al. *Pathol Biol (Paris)* 26(5):255-64, May-Jun 78 (93 ref.) (Eng. Abstr.) (Fre)

## THERAPEUTIC USE

- Isoproterenol as a potential pulmonary vasodilator in primary pulmonary hypertension. Daoud FS, et al. *Am J Cardiol* 42(5):817-22, Nov 78
- A possible ACTH secreting tumour of the pituitary developing in a conventionally treated case of Addison's disease. Himsworth RL, et al. *Clin Endocrinol (Oxf)* 9(2):131-9, Aug 78
- Hydrocortisone revisited. An historical and experimental evaluation. Kligman AM, et al. *Cutis* 22(2):232-44, Aug 78 (52 ref.)
- Prolonged lifespan and high incidence of neoplasms in NZB/NZW mice treated with hydrocortisone sodium succinate. Walker SE, et al. *Kidney Int* 14(2):151-7, Aug 78
- [Malignant hyperthermia in a black child. A case report] Hugo JM, et al. *S Afr Med J* 53(20):807-10, 20 May 78 (Eng.

## HYDROCORTISONE

## ADRENAL

- Abstr.) (Afr)  
[Use of corticosteroids in pediatrics, especially in children with congenital adrenal cortex hyperplasia (adrenogenital syndrome)] Visser HK. *Ned Tijdschr Geneesk* 122(38):1406-10, 23 Sep 78 (Dut)  
[Anesthesia-intensive care in pituitary gland surgery. Hormonal preparation and preoperative water-electrolyte equilibration] Fossati P, et al. *Anesth Analg* (Paris) 35(2):287-92, Mar-Apr 78 (Fre)  
[Anesthesia and intensive care in surgery for congenital virilizing adrenal hyperplasia] Ghnassia MD, et al. *Anesth Analg* (Paris) 35(2):269-78, Mar-Apr 78 (Fre)  
[Comparative study of the peripheral lymphocyte count in controls and in patients with chronic lymphocytic leukemias 4 hours after injection of hydrocortisone (author's transl)] Dighiero G, et al. *Nouv Rev Fr Hematol Blood Cells* 20(2):317-22, 10 Jun 78 (Eng. Abstr.) (Fre)  
[Assessment of a new combination drug (locoid-c) for the local treatment of inflammatory dermatoses in a dermatological practice (author's transl)] Straehl B. *Praxis* 67(40):1478-80, 3 Oct 78 (Eng. Abstr.) (Ger)  
[Comparative evaluation of the results of adnexitis treatment with steroid and non-steroid anti-inflammatory agents] Czauderna J, et al. *Wiad Lek* 31(12):829-34, 15 Jun 78 (Eng. Abstr.) (Pol)  
[Personal method of endotubal therapy] Chirileanu C. *Rev Chir [Otorinolaringol]* 23(3):181-4, Jul-Sep 78 (Rum)

### URINE

- Urinary steroid excretion in 17 alpha-hydroxylase deficiency. Honour JW, et al. *J Steroid Biochem* 9(6):495-505, Jun 78

## HYDROCORTISONE, TOPICAL

### ADMINISTRATION & DOSAGE

- [Effect of ultrasonic or hydrocortisone ointment phonophoresis treatment on the noncapsulated skin receptors in chronic vulvar dystrophies (according to electron microscopic data)] Burgudzhieva T, et al. *Vopr Kurortol Fizioter Lech Fiz Kult* (4):75-8, Jul-Aug 78 (Rus)

### METABOLISM

- [Evaluation of the topical bioavailability of hydrocortisone acetate] Aiache JM, et al. *Pharm Acta Helv* 53(3-4):110-20, 1978 (Fre)  
[Pharmacokinetic study of ophthalmic ointments of hydrocortisone acetate in combination with sodium sulfapyridazine] Attia MA, et al. *Farmatsiia* 27(5):28-30, Sep-Oct 78 (Eng. Abstr.) (Rus)

### THERAPEUTIC USE

- The evaluation of topical anti-inflammatory activity on rat ears subjected to thermal injury. Bronaugh RL, et al. *J Invest Dermatol* 71(4):263-5, Oct 78 (Rus)  
[Phonophoresis in various skin diseases] Kulaga VV, et al. *Vestn Dermatol Venerol* (7):80-5, Jul 78 (Rus)  
[Clinical trial with hydrocortisone-17-butyrate in reactive dermatitis of the face and mucosa] Ahumada Padilla M, et al. *Alergia* 25(1):23-31, Jan 78 (Eng. Abstr.) (Spa)

## HYDROXYCORTICOSTEROIDS

### METABOLISM

- [Indices of the sympathetic-adrenal and hypophyseal-adrenocortical system reactions in myocardial infarct patients during physical rehabilitation] Shverina TA, et al. *Kardiologiia* 18(9):93-100, Sep 78 (Eng. Abstr.) (Rus)

## 11-HYDROXYCORTICOSTEROIDS

### BLOOD

- Dexamethasone test in alcoholics [letter] Oxenkrug GF. *Lancet* 2(8093):795, 7 Oct 78  
[Effect of chronic pyrogenal stress on the mitotic regime and quantity of DNA-synthesizing cells in the epithelium of the cornea and tongue of white rats] Timoshin SS, et al.

- Biull Eksp Biol Med* 86(8):248-50, Aug 78 (Eng. Abstr.) (Rus)  
[Activity of adrenal hormones and kallikrein-kinin blood system in acute disorders of the heart rhythm in patients with myocardial infarct] Golikov AP, et al. *Sov Med* (9):62-7, Sep 78 (Eng. Abstr.) (Rus)  
[Mechanisms of the immunodepression caused by ortho-aminoazotoluene and its noncarcinogenic analog in mice] Kaledin VI, et al. *Vopr Onkol* 24(9):46-52, 1978 (Eng. Abstr.) (Rus)

### URINE

- Excretory patterns of urinary free 11-hydroxycorticosteroids and total oestrogens throughout the normal menstrual cycle. Walker MS, et al. *Ann Clin Biochem* 15(4):201-2, Jul 78

## 17-HYDROXYCORTICOSTEROIDS

### BLOOD

- [Adrenal cortex function in patients with Far East scarlatina-like fever (pseudotuberculosis)] Malyi VP, et al. *Klin Med (Mosk)* 56(8):100-1, Aug 78 (Rus)  
[Glucocorticoids and various biogenic amines in acute pyelonephritis] Mazin VV, et al. *Urol Nefrol (Mosk)* (5):12-5, Sep-Oct 78 (Eng. Abstr.) (Rus)

### ISOLATION & PURIFICATION

- Convenient system for the simultaneous separation of 11-deoxycortisol and aldosterone by Sephadex LH-20 multiple column chromatography. Sippell WG, et al. *J Chromatogr* 146(2):333-6, 1 Sep 78

### METABOLISM

- Detecting and treating dental phobic children: part I, detection. Keys J. *ASDC J Dent Child* 45(4):296-300, Jul-Aug 78  
Individual steroid hormones in schizophrenic males. Varma VK, et al. *Indian J Med Res* 67:443-52, Mar 78

### URINE

- [Circadian rhythm of catecholamine and glucocorticoid excretion in the presence of hypothalamic lesions] Dinaburg AD, et al. *Fiziol Zh* 24(5):692-8, Sep-Oct 78 (Eng. Abstr.) (Rus)  
[Glucocorticoid activity of the adrenal cortex in sexual disorders in men] Imshinetskaia LP. *Vrach Delo* (8):46-9, 1978 (Eng. Abstr.) (Rus)  
[Adrenal glucocorticoid and mineralocorticoid functions in postthyrototoxic encephalophthalmopathy] Romashkan NV, et al. *Vrach Delo* (9):94-7, Sep 78 (Eng. Abstr.) (Rus)  
[Male pseudohermaphroditism and arterial hypertension: defect in the 17-alpha hydroxylation] Santillana López T, et al. *Rev Clin Esp* 149(5):499-505, 15 Jun 78 (Spa)

## 18-HYDROXYCORTICOSTERONE

### BLOOD

- Bromocriptine: lack of effect on the angiotensin II and aldosterone responses to sodium deprivation. Semple PF, et al. *Clin Endocrinol (Oxf)* 9(2):155-61, Aug 78

## 18-HYDROXYDESOXYCORTICOSTERONE

### BLOOD

- Plasma levels of 18-hydroxy-11-deoxycorticosterone in essential hypertension. Honda M, et al. *Endocrinol Jpn* 25(3):237-43, Jun 78

### METABOLISM

- The use of high-pressure liquid chromatography in the simultaneous assay of 11beta-hydroxylase and 18-hydroxylase in zona fasciculata-reticularis tissue of the rat adrenal cortex. Gallant S, et al. *Anal Biochem* 89(1):196-202, 15 Aug 78  
The effect of sex and strain of rats on the in vitro response of adrenocortical tissue of ACTH stimulation. Vinson GP,



## ADRENAL

et al. *J Steroid Biochem* 9(6):553-60, Jun 78

### KETOSTEROIDS

- [Steroid metabolizing enzymes from microorganisms. VII. The nature of the biospecific binding to an affinity matrix-affinity chromatography of 4-en-3-oxo-steroid: (acceptor)-1-en-oxidoreductase from *Nocardia opaca*] Atrat P, et al. *J Steroid Biochem* 9(6):579-82, Jun 78 (Eng. Abstr.) (Ger)
- [Steroid converting enzymes from microorganisms. VIII. Effect of the organic solvent specific hydrophobicity of the binding on the affinity-matrix-affinity chromatography of a 4-en-3-oxo-steroid: (Accepter)-1-en-oxidoreductase from *Nocardia opaca*] Atrat P, et al. *J Steroid Biochem* 9(7):691-4, Jul 78 (Eng. Abstr.) (Ger)
- [Steroid transforming enzymes from microorganisms. V. Purification of a 4-en-3-oxosteroid: (acceptor)-1-en-oxidoreductase from *Nocardia opaca* and characterization of the prosthetic group] Lestrovaja NN, et al. *Z Allg Mikrobiol* 18(3):189-96, 1978 (Ger)

### BIOSYNTHESIS

- The hepatic catabolism of cortisol in teleost fish--adrenal origin of 11-oxotestosterone precursors. Kime DE. *Gen Comp Endocrinol* 35(3):322-8, Jul 78

### PHARMACODYNAMICS

- Effects of steroidal hormones on sexual, attack, and search behavior in the isolated male chick. Young CE, et al. *Horm Behav* 10(2):107-17, Apr 78

### URINE

- Use of a sulfate: hydrogen sulfate buffer to preserve urine for steroid analysis. Metcalf MG. *Clin Biochem* 11(3):101-2, Jun 78

## 17-KETOSTEROIDS

### BLOOD

- Normalized androgen ratio: an index of free 17beta-hydroxysteroid concentration in serum. Gilliland JM, et al. *Clin Chem* 24(9):1500-3, Sep 78

### METABOLISM

- Individual steroid hormones in schizophrenic males. Varma VK, et al. *Indian J Med Res* 67:443-52, Mar 78

### SECRETION

- An inhibitory effect of melatonin on the luteinizing hormone releasing activity of luteinizing hormone releasing hormone in immature male dogs. Mieno M, et al. *J Endocrinol* 78(2):283-4, Aug 78

### URINE

- The CAP Urine Chemistry Survey Program for 1977. Glenn GC. *Am J Clin Pathol* 70(3 Suppl):513-5, Sep 78
- Excretion and conjugation pattern of urinary 17-ketosteroids in surgical patients. Singh RK, et al. *Indian J Med Res* 67:397-400, Mar 78
- Psychiatric and biochemical correlates of respiratory decompensation in a terminal and non-terminal chronic pulmonary disease patient. Dudley DL, et al. *Int J Psychiatry Med* 8(4):347-59, 1977-78
- Urinary steroid excretion in 17 alpha-hydroxylase deficiency. Honour JW, et al. *J Steroid Biochem* 9(6):495-505, Jun 78

## METHYLPREDNISOLONE

### PHARMACODYNAMICS

- Effect of hydrocortisone on the response of rat lymphocytes to phytohaemagglutinin. Mansour A, et al. *Aust J Exp Biol Med Sci* 56(3):301-11, Jun 78
- Effect of endotoxin shock on renal and hormonal functions. Oyama T, et al. *Can Anaesth Soc J* 25(5):380-91, Sep 78
- Effect of corticosteroids on committed lymphocytes. Ramer

## PREDNISOLONE

- SJ, et al. *Clin Exp Immunol* 32(3):545-53, Jun 78
- Changes in membrane potential of human granulocytes antecede the metabolic responses to surface stimulation. Korchak HM, et al. *Proc Natl Acad Sci USA* 75(8):3818-22, Aug 78
- [A comparative study of effects of hydrocortisone, methylprednisolone and bethamethasone on isolated vascular smooth muscle of rabbit aorta (author's transl)] Kemmotsu O, et al. *Masui* 27(9):954-60, Sep 78 (Eng. Abstr.) (Jpn)

### MINERALOCORTICIDS

#### ADVERSE EFFECTS

- The adrenal cortex. Milne FJ. *S Afr Med J* 53(24):969-74, 14 Jun 78

#### PHYSIOLOGY

- [Mineralocorticoid function of the adrenal cortex and the renin-angiotensin system in Itsenko-Cushing's disease] Slavnov VN, et al. *Probl Endokrinol (Mosk)* 24(5):39-44, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Effect of aldactone on the mineralocorticoid function of the adrenal cortex and the sodium and potassium content in the blood of middle-aged and elderly persons] Svechnikova NV, et al. *Vrach Delo* (8):49-52, 1978 (Eng. Abstr.) (Rus)

#### SECRETION

- The adrenal cortex. Milne FJ. *S Afr Med J* 53(24):969-74, 14 Jun 78

#### URINE

- [Adrenal glucocorticoid and mineralocorticoid functions in postthyrotoxic encephalopathy] Romashkan NV, et al. *Vrach Delo* (9):94-7, Sep 78 (Eng. Abstr.) (Rus)

## PREDNISOLONE

### ADMINISTRATION & DOSAGE

- Effects of hydrocortisone and prednisolone on the diuretic and antidiuretic effects of prostaglandin E2 in rats. Fujimoto S. *Jpn J Pharmacol* 28(2):329-31, Apr 78
- [Use of corticosteroids in pediatrics, especially in children with congenital adrenal cortex hyperplasia (adrenogenital syndrome)] Visser HK. *Ned Tijdschr Geneesk* 122(38):1406-10, 23 Sep 78 (Dut)
- [Clinical effectiveness of prednisolone therapy in a controlled study and the procedural questions of using corticosteroids in serum hepatitis] Matveev AA, et al. *Ter Arkh* 50(10):72-6, 1978 (Eng. Abstr.) (Rus)

### METABOLISM

- The transfer and metabolism of corticosteroids in the perfused human placenta. Levitz M, et al. *Am J Obstet Gynecol* 132(4):363-6, 15 Oct 78

### PHARMACODYNAMICS

- Steroid hormone alteration of herpes simplex virus type 1 replication. Notter MF, et al. *J Med Virol* 2(3):247-52, 1978
- Effects of hydrocortisone and prednisolone on the diuretic and antidiuretic effects of prostaglandin E2 in rats. Fujimoto S. *Jpn J Pharmacol* 28(2):329-31, Apr 78
- [Hydrocortisone and prednisolone solubilization in aqueous solutions of glycerol] Krasova TG, et al. *Farmatsiia* 27(5):32-5, Sep-Oct 78 (Rus)

### THERAPEUTIC USE

- [Use of corticosteroids in pediatrics, especially in children with congenital adrenal cortex hyperplasia (adrenogenital syndrome)] Visser HK. *Ned Tijdschr Geneesk* 122(38):1406-10, 23 Sep 78 (Dut)
- [Chronic hepatitis: when and how to treat? (author's transl)] Paumgartner G. *Ther Umsch* 35(9):716-20, Sep 78 (35 ref.) (Eng. Abstr.) (Ger)

## PREDNISOLONE, TOPICAL

## ADRENAL

## PREDNISOLONE, TOPICAL

### THERAPEUTIC USE

The evaluation of topical anti-inflammatory activity on rat ears subjected to thermal injury. Bronaugh RL, et al. *J Invest Dermatol* 71(4):263-5, Oct 78  
[Pulp protection with antibiotic-corticoid-calcium hydroxide] Azagra ER. *Rev Esp Estomatol* 25(6):409-18, Nov-Dec 77 (Spa)

## PREDNISONE

### PHARMACODYNAMICS

Effect of drugs on the stimulation threshold of the human heart. Svorčík C, et al. *Cor Vasa* 20(3):184-95, 1978  
Potentiation of isoproterenol cardiotoxicity by corticoids. Guideri G, et al. *Res Commun Chem Pathol Pharmacol* 21(2):197-212, Aug 78

### THERAPEUTIC USE

[Results of treatment of autoimmune hemolytic anemias] Zupańska B, et al. *Pol Tyg Lek* 33(26):1021-4, 26 Jun 78 (Eng. Abstr.) (Pol)

## TETRAHYDROCORTISOL

### ANALOGS & DERIVATIVES

Additional data supporting sex differences in human urinary steroid metabolic profiles. Pfaffenberger CD, et al. *Anal Biochem* 88(2):689-94, 1 Aug 78

### URINE

Additional data supporting sex differences in human urinary steroid metabolic profiles. Pfaffenberger CD, et al. *Anal Biochem* 88(2):689-94, 1 Aug 78

## TRIAMCINOLONE

### PHARMACODYNAMICS

Development of glucogenesis from galactose by fetal rat liver explants in organ culture. Simkins RA, et al. *Dev Biol* 66(2):353-60, Oct 78

## TRIAMCINOLONE ACETONIDE

Induction of cleft palates by triamcinolone acetonide: re-examination of the problem. Bekhor I, et al. *Cleft Palate J* 15(3):220-32, Jul 78 (76 ref.)

### METABOLISM

Endotoxin-glucocorticoid interactions with hormone specific receptors in the rat. Agarwal MK. *Toxicon Suppl* (1):857-68, 1978

### THERAPEUTIC USE

The evaluation of topical anti-inflammatory activity on rat ears subjected to thermal injury. Bronaugh RL, et al. *J Invest Dermatol* 71(4):263-5, Oct 78

## BECLOMETHASONE

Treatment of chronic childhood asthma with beclomethasone dipropionate aerosols: II Effect on pituitary-adrenal function after substitution for oral corticosteroids. Kershner H, et al. *Pediatrics* 62(2):189-97, Aug 78

## BETAMETHASONE 17-VALERATE

(Systemic effects of externally applied steroid preparations). Shimao S, et al. *Nippon Rinsho Suppl* : 2398-9, May 78 (Jpn)

Adverse reaction to a topical steroid transferred by physical contact. Stankler L, et al. *Br Med J* 2(6134): 399-400, 5 Aug 78



# ADRENAL

## IV. Related Topics

### AMINOGLUTETHIMIDE

#### ADMINISTRATION & DOSAGE

Aminoglutethimide in treatment of metastatic breast carcinoma. Smith IE, et al. *Lancet* 2(8091):646-9, 23 Sep 78

#### ADVERSE EFFECTS

Aminoglutethimide in treatment of metastatic breast carcinoma. Smith IE, et al. *Lancet* 2(8091):646-9, 23 Sep 78

#### PHARMACODYNAMICS

Inhibition of steroidogenic response to corticotropin in mouse adrenal tumor cells (Y-1) by the ionophore A23187. Role of protein biosynthesis. Nakamura M, et al. *Biochim Biophys Acta* 542(2):330-9, 17 Aug 78

Estrogen-like compounds and progesterone in male and female rats before puberty—II. Effects of administration of ACTH, steroidogenesis inhibitors, dexamethasone and hCG. Audi L, et al. *J Steroid Biochem* 9(7):631-5, Jul 78

#### THERAPEUTIC USE

New role of endocrine therapy in breast cancer. Kennedy BJ. *Int J Radiat Oncol Biol Phys* 4(5-6):469-72, May-Jun 78

Aminoglutethimide in treatment of metastatic breast carcinoma. Smith IE, et al. *Lancet* 2(8091):646-9, 23 Sep 78

### METYRAPONE

#### DIAGNOSTIC USE

Diagnosis of Sheehan's syndrome using a sequential pituitary stimulation test. DiZerega G, et al. *Am J Obstet Gynecol* 132(4):348-53, 15 Oct 78

Cushing's syndrome. Liddle GW. *Ann NY Acad Sci* 297:594-602, 28 Oct 77

Plasma ACTH radioimmunoassays in the diagnosis of pituitary-adrenal dysfunction. West CD, et al. *Ann NY Acad Sci* 297:205-19, 28 Oct 77

Pathogenesis of essential hypertension with low renin: responses of plasma renin activity to various stimulation tests in essential hypertension. Honda M, et al. *Jpn Circ J* 42(5):613-9, May 78

Hypertension induced by adrenocortical dysfunction—hypertension in 17 alpha-hydroxylase deficiency and metopirone-induced hypertension. Saruta T, et al. *Jpn Circ J* 42(5):621-31, May 78

Surgical management of Cushing's syndrome. Delaney JP, et al. *Surgery* 84(4):465-70, Oct 78

#### PHARMACODYNAMICS

Effect of glucocorticoids on plasma testosterone in men. Schaison G, et al. *Acta Endocrinol (Copenh)* 89(1):126-31, Sep 78

The use of high-pressure liquid chromatography in the simultaneous assay of 11beta-hydroxylase and 18-hydroxylase in zona fasciculata-reticularis tissue of the rat adrenal cortex. Gallant S, et al. *Anal Biochem* 89(1):196-202, 15 Aug 78

Properties of an adrenal cytochrome P-450 (P-45011beta) for the hydroxylations of corticosteroids. Sato H, et al. *Arch Biochem Biophys* 190(1):307-14, Sep 78

Inhibition by metyrapone of the accumulation of nicotine-14C in bronchial epithelium of mice. Waddell WJ, et al. *Arch Int Pharmacodyn Ther* 234(2):294-307, Aug 78

Microfluorimetric analysis of the cytochrome P448 associated, ethoxyresorufin O-deethylase activities of individual isolated rat hepatocytes. Burke MD, et al. *Biochem Pharmacol* 27(11):1539-44, 1978

Microsomal metabolism of cyclohexene. Hydroxylation in the

allylic position. Leibman KC, et al. *Drug Metab Dispos* 6(4):375-8, Jul-Aug 78

Polychlorinated dibenzofurans—potent inducers of rat hepatic drug-metabolizing enzymes. Kawano S, et al. *Jpn J Pharmacol* 28(2):305-15, Apr 78

Enhancement in vivo of drug oxidations following administration of benzphetamine, acetone, metyrapone and dimethylsulfoxide. Kitada M, et al. *Jpn J Pharmacol* 28(2):213-21, Apr 78

[Role played by the adrenal cortex on the luteotrophic action of estrogens during the rat estrus cycle] Hassani M. *C R Soc Biol (Paris)* 172(1):167-71, 1978 (Eng. Abstr.) (Fre)

#### THERAPEUTIC USE

ACTH and cortisol response to bromocriptine, and results of long-term therapy, in Cushing's disease. Kennedy AL, et al. *Acta Endocrinol (Copenh)* 89(3):461-8, Nov 78

### PITUITARY-ADRENAL SYSTEM

Adrenal involvement in the timing of puberty in female rats: interaction with serum prolactin levels. Gelato MC, et al. *Acta Endocrinol (Copenh)* 89(3):590-8, Nov 78

#### DRUG EFFECTS

Increased sensitivity to 5-hydroxytryptamine due to intraventricular administration of 5,6-dihydroxytryptamine. Kawa A, et al. *Acta Endocrinol (Copenh)* 89(3):432-7, Nov 78

Endocrine effects of alcohol. Wright J. *Clin Endocrinol Metab* 7(2):351-67, Jul 78

The effects of reserpine on hypothalamo-pituitary adrenocortical function. Vellucci SV. *Gen Pharmacol* 9(5):275-85, 1978 (98 ref.)

Suppression of the hypothalamic-pituitary-adrenal axis after oral hydrocortisone succinate ingestion in rats. Mims RB. *J Natl Med Assoc* 70(1):37-40, Jan 78

Effects of fenfluramine administration on activity of the pituitary-adrenal system in the rat. Heybach JP, et al. *Proc West Pharmacol Soc* 21:19-25, 1978

[Corticotrophic testing during long-term beclomethasone dipropionate treatment in asthmatic children] Dutau G, et al. *Poumon Coeur* 34(4):247-53, 1978 (Eng. Abstr.) (Fre)

#### INNERVATION

The neural regulation of compensatory adrenal growth. Dallman MF, et al. *Ann NY Acad Sci* 297:373-92, 28 Oct 77

Neural pathways involved in ACTH regulation. Palkovits M. *Ann NY Acad Sci* 297:455-76, 28 Oct 77

#### METABOLISM

Effects of fenfluramine administration on activity of the pituitary-adrenal system in the rat. Heybach JP, et al. *Proc West Pharmacol Soc* 21:19-25, 1978

#### PHYSIOLOGY

ACTH and related peptides: structure, regulation, and action. *Ann NY Acad Sci* 297:1-664, 28 Oct 77

Extra-CNS corticotropin-releasing factors. Brodish A. *Ann NY Acad Sci* 297:420-35, 28 Oct 77

Serotonin regulation of ACTH secretion. Krieger DT. *Ann NY Acad Sci* 297:527-35, 28 Oct 77

Some aspects of corticosteroid feedback actions. Smelik PG. *Ann NY Acad Sci* 297:580-90, 28 Oct 77

Serotonin involvement in pituitary-adrenal function. Vernikos-Danellis J, et al. *Ann NY Acad Sci* 297:518-26, 28 Oct 77

Vasopressin and corticotropin-releasing factor: an axonal pathway to portal capillaries in the zona externa of the median eminence containing vasopressin and its interaction with adrenal corticoids. Zimmerman EA, et al. *Ann NY Acad Sci* 297:405-19, 28 Oct 77

Electrical activity of hypothalamus during activation of

- pituitary-adrenocortical system. Filaretov AA, et al. *Brain Res* 156(1):67-74, 3 Nov 78
- Endocrine effects of alcohol. Wright J. *Clin Endocrinol Metab* 7(2):351-67, Jul 78
- Role of brain monoamines in the regulation of the circadian variations of activity of some neuroendocrine axes. pp. 137-43. Scapagnini U, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- The role of the pituitary-adrenal system in the development of behavioural arousal. McKelvey GW. *Ir J Med Sci* 147 Suppl 1:49-52, Aug 78
- Studies on the regulation mechanism of circadian rhythm of the pituitary-adrenal system [proceedings] Morimoto Y. *Med J Osaka Univ* 28(2):169, Dec 77
- Blockage of pituitary-adrenal activity does not affect conditioned suppression. Davis H, et al. *Physiol Behav* 20(4):423-5, Apr 78
- [Regulation of ACTH secretion] Ervin S. *Orv Hetil* 119(42):2543-52, 15 Oct 78 (Hun)
- [Advances in neuroendocrinology] Valverde R C. *Neurol Neurocir Psiquiatr* 16(1):25-48, 1975 (Eng. Abstr.) (Spa)

## PHYSIOPATHOLOGY

- [Indices of the sympathetic-adrenal and hypophyseal-adrenocortical system reactions in myocardial infarct patients during physical rehabilitation] Shverina TA, et al. *Kardiologia* 18(9):93-100, Sep 78 (Eng. Abstr.) (Rus)
- [State of the hypothalamo-pituitary-adrenal system in rabbits infected with tuberculosis and treated with etimizol] Ertevisian LN, et al. *Probl Tuberk* (8):70-5, Aug 78 (Eng. Abstr.) (Rus)
- [Extragenital endocrine factors in sterility and fertility] Pumarino H, et al. *Rev Chil Obstet Ginecol* 42(4):209-26, 1977 (Spa)

## RENIN

## ANTAGONISTS &amp; INHIBITORS

- Petide antagonists of the renin-angiotensin system in the characterisation of receptors for angiotensin-induced drinking. Fitzsimons JT, et al. *Brain Res* 153(2):319-31, 22 Sep 78
- The second Volhard Lecture: The use of blocking agents to define the functions of the renin-angiotensin system. Davis JO. *Clin Sci Mol Med* 48 Suppl 2:3s-14s, Jun 75 (39 ref.)

## BLOOD

- Role of angiotensin III in the regulation of blood pressure, plasma aldosterone and plasma renin activity in rabbit. Saito I, et al. *Acta Endocrinol (Copenh)* 89(1):132-41, Sep 78
- Renin release in relation to plasma noradrenaline during supine exercise in cardiac patients. Hesse B, et al. *Acta Med Scand* 204(3):185-9, 1978
- Influence of sodium intake on hydrochlorothiazide-induced changes in blood pressure, serum electrolytes, renin and aldosterone in essential hypertension. van Brummelen P, et al. *Acta Med Scand* 204(3):151-7, 1978
- Enhancement of urine prostaglandin excretion by chlorazanol in dogs. Olsen UB, et al. *Acta Pharmacol Toxicol (Copenh)* 43(3):233-9, Sep 78
- Decreased angiotensin-converting enzyme in the adult respiratory distress syndrome. Bedrossian CW, et al. *Am J Clin Pathol* 70(2):244-7, Aug 78
- Role of renin and aldosterone suppression in the antihypertensive mechanism of clonidine. Niarchos AP, et al. *Am J Med* 65(4):614-8, Oct 78
- Effect of the specific angiotensin antagonist (Sar1) (Ala8) angiotensin II on blood pressure and the renin-angiotensin system in the conscious pregnant ewe and fetus. Pipkin FB, et al. *Am J Obstet Gynecol* 132(1):7-15, 1 Sep 78
- Separate renal function studies in conscious dogs with renovascular hypertension. DeForrest JM, et al. *Am J Physiol* 235(4):F310-6, Oct 78
- Mild hypertension—appropriate diagnostic work-up. Hawthorne EW, et al. *Ann NY Acad Sci* 304:363-72, 30 Mar 78 (56 ref.)
- Renin as a predictor of hypertensive complications: discussion. Kannel WB. *Ann NY Acad Sci* 304:161-4, 30 Mar 78
- Renin as a predictor of hypertensive complications. Kirkendall WM, et al. *Ann NY Acad Sci* 304:147-60, 30 Mar 78 (54 ref.)
- Renin as a predictor of hypertensive complications: discussion.

- Laragh JH. *Ann NY Acad Sci* 304:165-77, 30 Mar 78
- The beta-adrenoceptor controlling renin release. Oates HF, et al. *Arch Int Pharmacodyn Ther* 234(2):205-13, Aug 78
- Cryoactivation of renin in human plasma [proceedings] Lijnen PJ, et al. *Arch Int Physiol Biochim* 86(2):437-9, May 78
- Use of diuretics in treatment of hypertension secondary to renal disease. Bank N, et al. *Arch Intern Med* 138(10):1524-9, Oct 78
- A composite analysis of renin classification methods. Holle R, et al. *Arch Intern Med* 138(10):1514-9, Oct 78
- Need for beta-blockade in hypertension reduced with long-term minoxidil. Brunner HR, et al. *Br Med J* 2(6134):385-8, 5 Aug 78
- Treatment of dissecting aortic aneurysm and renin-induced hypertension with sodium nitroprusside. Hillman K, et al. *Br Med J* 2(6140):799, 16 Sep 78
- Subpressor angiotensin infusion, renal sodium handling, and salt-induced hypertension in the dog. DeClue JW, et al. *Circ Res* 43(4):503-12, Oct 78
- Role of the renin-angiotensin system in the systemic vasoconstriction of chronic congestive heart failure. Curtis C, et al. *Circulation* 58(5):763-70, Nov 78
- Radioimmunoassay of angiotensin II in unextracted plasma. Lijnen PJ, et al. *Clin Chim Acta* 88(2):403-12, 1 Sep 78
- Bromocriptine: lack of effect on the angiotensin II and aldosterone responses to sodium deprivation. Semple PF, et al. *Clin Endocrinol (Oxf)* 9(2):155-61, Aug 78
- Antihypertensive responses to spironolactone in normal renin hypertension. Ogilvie RI, et al. *Clin Pharmacol Ther* 24(5):525-30, Nov 78
- An international collaborative study of renin assay: establishment of the international reference preparation of human renin. Bangham DR, et al. *Clin Sci Mol Med* 48 Suppl 2:135a-159s, Jun 75
- Partial characterization of aortic renin in the spontaneously hypertensive rat and its interrelationship with plasma renin, blood pressure and sodium balance. Barrett JD, et al. *Clin Sci Mol Med* 55(3):261-70, Sep 78
- Effect of angiotensin II and of an angiotensin II analogue (Sar1-Ile8-angiotensin II) on blood pressure, plasma aldosterone and plasma renin activity in the dog. Beckerhoff R, et al. *Clin Sci Mol Med* 48 Suppl 2:41s-44s, Jun 75
- Renin-suppressive potency of various beta-adrenergic blocking agents at supine rest and during upright exercise. Bühler FR, et al. *Clin Sci Mol Med* 48 Suppl 2:61s-64s, Jun 75
- Plasma renin, urinary sodium excretion and vascular disease. Doyle AE, et al. *Clin Sci Mol Med* 48 Suppl 2:127s-129s, Jun 75
- The use of angiotensin-converting enzyme inhibitor in the diagnosis and treatment of hypertension. Gavras H, et al. *Clin Sci Mol Med* 48 Suppl 2:57s-60s, Jun 75
- A comparison of propranolol and compound RO3-4787 in the treatment of arterial hypertension in man. George CF, et al. *Clin Sci Mol Med* 48 Suppl 2:65s-67s, Jun 75
- Effect of volume depletion and subsequent propranolol treatment on blood pressure and plasma renin activity in patients with essential and with renovascular hypertension. Geyskes GG, et al. *Clin Sci Mol Med* 48 Suppl 2:69s-71s, Jun 75
- The response of the renin-angiotensin systems in rats to the injection of angiotensin II antibodies. Hackenthal E, et al. *Clin Sci Mol Med* 48 Suppl 2:27s-30s, Jun 75
- Vasopressin effects on plasma renin activity in male and female rats. Henderson IW, et al. *Clin Sci Mol Med* 55(3):301-7, Sep 78
- Plasma renin activity and cardiovascular disease. Hickler RB, et al. *Clin Sci Mol Med* 48 Suppl 2:131s-133s, Jun 75
- beta-blocking drugs and renin secretion in the anaesthetized dog. Imbs JL, et al. *Clin Sci Mol Med* 48 Suppl 2:105s-107s, Jun 75
- Treatment of patients with severe hypertension by inhibition of angiotensin-converting enzyme. Johnson JG, et al. *Clin Sci Mol Med* 48 Suppl 2:53s-56s, Jun 75
- Role of the autonomic nervous system in mild human hypertension. Julius S, et al. *Clin Sci Mol Med* 48 Suppl 2:243s-252s, Jun 75
- Differential effect of prostaglandin A1 in hypertensive patients with low, normal and high renin. Krakoff LR, et al. *Clin Sci Mol Med* 48 Suppl 2:311s-313s, Jun 75
- Blood pressure decrease and responsiveness to renin-releasing stimuli under increasing doses of propranolol in patients with essential hypertension. Leonetti G, et al. *Clin Sci Mol Med* 48 Suppl 2:77s-79s, Jun 75
- Long-term propranolol treatment of resistant arterial hypertension in haemodialysed patients. Maggiore Q, et al. *Clin Sci Mol Med* 48 Suppl 2:73s-75s, Jun 75
- Changes in plasma renin activity and blood pressure after acute and chronic administration of beta-adrenergic receptor-blocking drugs. Morgan T, et al.



- Clin Sci Mol Med 48 Suppl 2:81s-83s, Jun 75
- Effect of oxprenolol on catecholamines and plasma renin activity: acute response to frusemide in hypertensive patients. Muiesan G, et al. Clin Sci Mol Med 48 Suppl 2:85s-88s, Jun 75
- Abnormalities of renal transport of sodium o-[131I]iodohippurate (Hippuran) in essential hypertension. Reeve J, et al. Clin Sci Mol Med 55(3):241-7, Sep 78
- Anti-hypertensive adrenergic-blocking agents: effects on sodium balance, the renin-angiotensin system and haemodynamics. Safar ME, et al. Clin Sci Mol Med 48 Suppl 2:93s-95s, Jun 75
- Postural changes of plasma renin activity after renal transplantation. Salvetti A, et al. Clin Sci Mol Med 48 Suppl 2:283s-286s, Jun 75
- beta-Adrenergic receptors and renin release: studies with beta-adrenoreceptor-blocking agents in the conscious rabbit. Weber MA, et al. Clin Sci Mol Med 48 Suppl 2:89s-91s, Jun 75
- Relationships between plasma renin activity and urinary and plasma catecholamines. Werner U, et al. Clin Sci Mol Med 48 Suppl 2:287s-290s, Jun 75
- Effects of saralasin on blood pressure, renin and renal blood flow in unilateral renovascular hypertension. Arlart IP, et al. Contrib Nephrol 11:170-4, 1978
- Observations on the use and limitations of renal vein renins in hypertensive patients. Aurell M, et al. Contrib Nephrol 11:146-9, 1978
- Renal secretion of inactive renin. Derx FH, et al. Contrib Nephrol 11:160-3, 1978
- Antihypertensive effect of volume depletion: interrelation with renal prostaglandins. Düsing R, et al. Contrib Nephrol 12:41-53, 1978
- Effects of l-sar-8-ala-angiotensin II on arterial pressure, renin and aldosterone in hypertension. Fagard R, et al. Contrib Nephrol 11:175-8, 1978
- Prostaglandins in renovascular and renal hypertension. Hornyk A, et al. Contrib Nephrol 11:189-96, 1978
- Prostaglandins and renal function. McGiff JC, et al. Contrib Nephrol 12:27-40, 1978
- Plasma renin activity in renal veins of renovascular patients. Salvetti A, et al. Contrib Nephrol 11:150-4, 1978
- Renal prostaglandins in the control of renin. Weber PC. Contrib Nephrol 12:92-105, 1978
- Correlation between evolution and treatment of hypertension in unilateral renal disease and values of renin activity in renal venous blood. Zech P, et al. Contrib Nephrol 11:155-9, 1978
- Adrenergic mechanisms coordinating circulatory and excretory functions by mediation of renin secretion. Branchevsky LL. Cor Vasa 20(2):152-8, 1972
- Plasma volume in men with low-, normal- and high-renin essential hypertension. Krupa-Wojciechowska B, et al. Cor Vasa 20(3):196-201, 1978
- Regulation of plasma aldosterone by glucose-induced paradoxical hyperkalemia in the presence of suppressed renin-angiotensin system. Radó JP. Endokrinologie 72(1):51-6, Apr 78
- Hypotension induced by inhibition of angiotensin-converting enzyme in pentobarbital-anesthetized dogs. Vollmer RR, et al. Eur J Pharmacol 51(1):39-45, 1 Sep 78
- Annual endocrine rhythms in healthy young adult men: their implication in human biology and medicine. pp. 113-21. Reinberg A, et al.
- In: Assenmacher I, Farner DS, ed. Environmental endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Effect of clonidine (Haemiton) on plasma renin level and angiotensin sensitivity in man. Gachályi B, et al. Int J Clin Pharmacol Biopharm 16(9):433-6, Sep 78
- Effects of angiotensin antagonism at rest and during exercise in sodium-deplete man. Fagard R, et al. J Appl Physiol 45(3):403-7, Sep 78
- Renin response to stimulation of cardiopulmonary mechanoreceptors in man. Kiowski W, et al. J Clin Invest 62(3):656-63, Sep 78
- Studies on the activity of the sympathetic nervous system in essential hypertension. Chobanian AV, et al. J Human Stress 4(3):22-8, Sep 78
- Changes in urinary aldosterone excretion and plasma renin activity in response to dietary sodium chloride deprivation in man [proceedings] Gordon D, et al. J Physiol (Lond) 280:43P-44P, Jul 78
- Pathogenesis of essential hypertension with low renin: responses of plasma renin activity to various stimulation tests in essential hypertension. Honda M, et al. Jpn Circ J 42(5):613-9, May 78
- Sympathetic nerve activity in patients with essential hypertension—a comparison of the activity among patients with labile and stable, or low, normal and high renin essential hypertension. Iimura O, et al. Jpn Circ J 42(5):599-607, May 78
- Hemodynamic and left ventricular volumic alteration in response to isometric handgrip exercise. Ishise S. Jpn Circ J 42(4):411-6, Apr 78
- Hypertension induced by adrenocortical dysfunction—hypertension in 17 alpha-hydroxylase deficiency and metopirone-induced hypertension. Saruta T, et al. Jpn Circ J 42(5):621-31, May 78
- Implication of renal prostaglandin E in urinary sodium excretion. Yasujima M, et al. Jpn Circ J 42(5):565-9, May 78
- Control of plasma aldosterone in a patient with Conn's syndrome before and during spironolactone medication. Vetter H, et al. Klin Wochenschr 53(8):391-3, 15 Apr 75
- Human urinary kallikrein converts inactive to active renin and is a possible physiological activator of renin. Sealey JE, et al. Nature 275(5676):144-5, 14 Sep 78
- The role of plasma volume, plasma renin and the sympathetic nervous system in the posture-induced decline in renal lithium clearance in man. Smith DF, et al. Neuropsychobiology 4(6):328-32, 1978
- Effect of meclofenamate on renal vascular resistance in early Goldblatt hypertension in conscious and anesthetized dog. Zimmerman BG. Prostaglandins 15(6):1027-33, Jun 78
- A new, simple test for renin sampling. D'Souza VJ, et al. Radiology 129(2):351-5, Nov 78
- Renovascular hypertension in children and adolescents. Stanley P, et al. Radiology 129(1):123-31, Oct 78
- The manifestations, aetiology and assessment of ethanol-induced hangover. Anylian GH, et al. S Afr Med J 54(5):193-8, 29 Jul 78 (44 ref.)
- Hypertension and renal parenchymatous disease. Meyers AM. S Afr Med J 53(24):983-5, 14 Jun 78
- Renovascular hypertension. Milne J. S Afr Med J 53(24):978-81, 14 Jun 78
- The renin-angiotensin system. Zamit R. S Afr Med J 53(24):974-8, 14 Jun 78
- Aldosterone in primary hypertension relationship to plasma renin activity and urinary electrolytes and a comparison with normotensive subjects. Tolagen K. Scand J Clin Lab Invest 38(5):487-93, Sep 78
- A longitudinal study of arterial blood pressure in chronic haemodialysis patients with different levels of plasma renin concentration. Kornerup HJ, et al. Scand J Urol Nephrol 12(2):161-5, 1978
- Elevated plasma renin activity in patients with acute pyelonephritis. Kaneda H, et al. Tohoku J Exp Med 125(2):169-76, Jun 78
- Hypertension and unilateral vascular occlusion. Diagnosis and surgical intervention. Viol GW, et al. Urology 12(2):190-4, Aug 78
- [Exercise blood pressure increases and plasma renin activity (author's transl)] Slabý A, et al. Cas Lek Cesk 117(29-30):928-30, 28 Jul 78 (Eng. Abstr.) (Cze)
- [Renovascular hypertension, still a problem] Schalekamp MA. Ned Tijdschr Geneesk 122(38):1393-6, 23 Sep 78 (Dut)
- [Effect of clonidine on three types of experimental hypertension and on plasma renin activity in dogs] Montastruc P, et al. C R Soc Biol (Paris) 172(1):200-7, 1978 (Eng. Abstr.) (Fre)
- [Treatment of essential hypertension with a combination of propranolol, spironolactone-thiazide and dihydralazine (author's transl)] Ebel H, et al. Dtsch Med Wochenschr 103(42):1650-5, 20 Oct 78 (Eng. Abstr.) (Ger)
- [The potential of beta-blockers in the management of hypertension] Bühler FR, et al. Internist (Berlin) 19(9):510-9, Sep 78 (Ger)
- [The effect of acute liver damage on inactivation of renin and aldosterone (author's transl)] Sonnenberg A, et al. Z Gastroenterol 16(10):652-6, Oct 78 (Eng. Abstr.) (Ger)
- [Effects of endotoxin shock on endocrine system and renal function in dogs (author's transl)] Kondo S. Masui 27(10):1036-46, Oct 78 (Eng. Abstr.) (Jpn)
- [Effect of steroids on hormones and renal function in endotoxin shock (author's transl)] Satoh Y. Masui 27(9):918-28, Sep 78 (Eng. Abstr.) (Jpn)
- [Effect of dopamine on renal and endocrine functions during canine endotoxin shock (author's transl)] Wakayama S. Masui 27(7):684-93, Jul 78 (Eng. Abstr.) (Jpn)
- [Surgical treatment of renovascular hypertension associated with bilateral renal artery stenosis. 2. Experimental study (author's transl)] Osada Y. Nippon Hinyokika Gakkai Zasshi 69(6):762-74, Jun 78 (Eng. Abstr.) (Jpn)
- [The effect of cortisol infusion on plasma renin activity, aldosterone levels and 11-deoxycorticosterone levels in humans (author's transl)] Sugawara T. Nippon Nihunpi Gakkai Zasshi 54(5):710-8, 20 May 78 (Eng. Abstr.) (Jpn)
- [Current status of drug therapy of essential hypertension

## RENIN

- (author's transl)] Murakami M.  
Nippon Naika Gakkai Zasshi 66(2):165-70, 10 Feb 77 (15 ref.) (Jpn)
- [A case of Bartter's syndrome with special reference to the pathogenesis (author's transl)] Sasaki H, et al.  
Nippon Naika Gakkai Zasshi 66(2):193-204, 10 Feb 77 (Jpn)
- [Low renin hypertension] Arakawa K, et al.  
Nippon Rinsho Suppl:2022-3, May 78 (Jpn)
- [Primary aldosteronism and analogous diseases] Fukuchi S.  
Nippon Rinsho Suppl:1578-9, May 78 (Jpn)
- [Juxtaglomerular cell tumor (Robertson-Kihara syndrome)] Kihara I. Nippon Rinsho Suppl:2324-5, May 78 (Jpn)
- [Renin-angiotensin-aldosterone system (author's transl)] Hama H, et al. Rinsho Byori 26(6):487-92, Jun 78 (Jpn)
- [Change in renin activity in the venous blood plasma of dogs under the influence of furosemide, novurit, ethacrynic acid and mannitol] Simerzina LV. Farmakol Toksikol 41(5):583-6, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Arterial hypertension, central and renal hemodynamics and plasma renin activity in patients with hemorrhagic fever and renal syndrome] Sirotin BZ, et al. Klin Med (Mosk) 56(9):68-73, Sep 78 (Eng. Abstr.) (Rus)
- [Mineralocorticoid function of the adrenal cortex and the renin-angiotensin system in Itsenko-Cushing's disease] Slavnov VN, et al. Probl Endokrinol (Mosk) 24(5):39-44, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Individual renal blood flow and activity of the renin-aldosterone system in patients with renovascular hypertension and hypertensive disease] Kutsenko AI, et al. Vestn Akad Med Nauk SSSR 10(8):2-9, 1978 (Eng. Abstr.) (Rus)
- [Methodological features of renal vein catheterization during sample collection for the determination of renin activity and for directed phlebography in patients with arterial hypertension] Grekov P, et al. Vnitř Lek 24(9):856-60, Sep 78 (Eng. Abstr.) (Slo)
- [Plasma renin activity in normal pregnancy and in pregnancy toxemias] García-Ramos JL, et al. Rev Clin Esp 149(5):441-3, 15 Jun 78 (Eng. Abstr.) (Spa)

## DEFICIENCY

- Unexplained hyperkalemia may signal renin-aldosterone defect [news] Hosp Pract 13(6):49, 51, Jun 78

## ISOLATION & PURIFICATION

- Purification of human renin. Yokosawa H, et al.  
Biochem Biophys Res Commun 83(1):306-12, 14 Jul 78

## METABOLISM

- Immunocytochemical localization of renin in the submandibular gland of the mouse during postnatal development. Gresik EW, et al. Am J Anat 153(3):443-9, Nov 78
- The beta-adrenoceptor controlling renin release. Oates HF, et al. Arch Int Pharmacodyn Ther 234(2):205-13, Aug 78
- Purification of human renin. Yokosawa H, et al.  
Biochem Biophys Res Commun 83(1):306-12, 14 Jul 78
- Report on Round Table on renin as a risk factor in hypertension. Clin Sci Mol Med 48 Suppl 2:117s-126s, Jun 75
- Partial characterization of aortic renin in the spontaneously hypertensive rat and its interrelationship with plasma renin, blood pressure and sodium balance. Barrett JD, et al. Clin Sci Mol Med 55(3):261-70, Sep 78
- Effect of prostaglandins (E2 and A2) on the enzymatic reaction of human renin in isolated homologous system and with added normal and hypertensive plasma. Eggena P, et al. Clin Sci Mol Med 48 Suppl 2:307s-309s, Jun 75
- Role of renal prostaglandins in circulatory homeostasis. Staszewska-Barczak J. Contrib Nephrol 11:179-88, 1978
- Diazoxide. Paulsian R. Int Anesthesiol Clin 16(2):201-37, Summer 78 (136 ref.)
- Storage form of renin in the dog kidney. Funakawa S, et al. Jpn Circ J 42(5):633-7, May 78
- Tubuloglomerular feedback and autoregulation of glomerular filtration rate in Wistar-Kyoto spontaneously hypertensive rats. Ploth DW, et al. Pflügers Arch 375(3):261-7, Aug 78
- Diurnal variations of renin-like activity in pineal gland, hypophysis and hypothalamus of the rat. Hăuică I, et al. Rev Med Chir Soc Med Nat Iasi 82(2):283-90, Apr-Jun 78

## PHARMACODYNAMICS

- Petide antagonists of the renin-angiotensin system in the characterisation of receptors for angiotensin-induced

## ADRENAL

- drinking. Fitzsimons JT, et al. Brain Res 153(2):319-31, 22 Sep 78
- Mechanism of the dipsogenic action of tetradecapeptide renin substrate. Simpson JB, et al. Brain Res 157(1):63-72, 17 Nov 78

## PHYSIOLOGY

- Effect of the specific angiotensin antagonist (Sar1) (Ala8) angiotensin II on blood pressure and the renin-angiotensin system in the conscious pregnant ewe and fetus. Pipkin FB, et al. Am J Obstet Gynecol 132(1):7-15, 1 Sep 78
- Tubuloglomerular feedback: effect of dietary NaCl intake. Kaufman JS, et al. Am J Physiol 231(6):1744-9, Dec 76
- Renin as a predictor of hypertensive complications. Kirkendall WM, et al. Ann NY Acad Sci 304:147-60, 30 Mar 78 (54 ref.)
- Role of the renin-angiotensin system in the systemic vasoconstriction of chronic congestive heart failure. Curtiss C, et al. Circulation 58(5):763-70, Nov 78
- Report on Round Table on renin suppression and the hypotensive action of beta-adrenergic-blocking drugs. Clin Sci Mol Med 48 Suppl 2:109s-115s, Jun 75
- The second Volhard Lecture: The use of blocking agents to define the functions of the renin-angiotensin system. Davis JO. Clin Sci Mol Med 48 Suppl 2:3s-14s, Jun 75 (39 ref.)
- The role of the renin-angiotensin-aldosterone system in cardiovascular homeostasis in normal man. Haber E, et al. Clin Sci Mol Med 48 Suppl 2:49s-52s, Jun 75
- Vasoactive renal hormones. Brod J. Contrib Nephrol 12:1-4, 1978
- What makes the renin-angiotensin system a pathogenic factor? Dietz R, et al. Contrib Nephrol 12:16-26, 1978
- Renal prostaglandins in the control of renin. Weber PC. Contrib Nephrol 12:92-105, 1978
- Negative saralasin response in correctable renovascular hypertension. Trainin EB, et al. J Pediatr 93(3):460-2, Sep 78
- Kinins and blood-pressure [editorial] Lancet 2(8091):663-5, 23 Sep 78
- Recent developments in urinary kallikrein research. Obika LF. Life Sci 23(8):765-73, 28 Aug 78 (102 ref.)
- Regulation of aldosterone secretion by the renin-angiotensin system during sodium restriction in rats. Aguilera G, et al. Proc Natl Acad Sci USA 75(8):4057-61, Aug 78
- The renin-angiotensin system. Zamit R. S Afr Med J 53(24):974-8, 14 Jun 78
- Climate, thirst and renin. Flinn RB. Trans Am Clin Climatol Assoc 89:130-40, 1977

## SECRETION

- Renal vasoconstriction in glycerol-induced acute renal failure. Studies in the isolated perfused rat kidney. Hofbauer KG, et al. Clin Sci Mol Med 55(3):249-52, Sep 78
- Blockade of renin release by lanthanum. Logan AG, et al. Clin Sci Mol Med 48 Suppl 2:31s-32s, Jun 75
- Angiotensin blockade in studies of the feedback control of renin release in rats and rabbits. Stokes GS, et al. Clin Sci Mol Med 48 Suppl 2:33s-36s, Jun 75
- Neural control of renin release. Zanchetti A, et al. Clin Sci Mol Med 48 Suppl 2:215s-223s, Jun 75 (63 ref.)
- Renal secretion of inactive renin. Derx FH, et al. Contrib Nephrol 11:160-3, 1978
- Intra-renal factors in renin release. Peart WS. Contrib Nephrol 12:5-15, 1978 (60 ref.)
- Adrenergic mechanisms coordinating circulatory and excretory functions by meditation of renin secretion. Branchevsky LL. Cor Vasa 20(2):152-8, 1972
- Renin response to stimulation of cardiopulmonary mechanoreceptors in man. Kiowski W, et al. J Clin Invest 62(3):656-63, Sep 78
- Inappropriate renin secretion unmasked by captopril (SQ 14 225) in hypertension of chronic renal failure. Brunner HR, et al. Lancet 2(8092 Pt 1):704-7, 30 Sep 78
- Role of prostaglandins in the control of renin secretion in the dog (II). Yun JC, et al. Life Sci 23(9):945-52, 4 Sep 78
- The renin-angiotensin system. Zamit R. S Afr Med J 53(24):974-8, 14 Jun 78
- [Regulation of the renin-angiotensin-aldosterone system. Role of the prostaglandins] Frisina N, et al. Minerva Med 69(42):2855-60, 15 Sep 78 (Eng. Abstr.) (Ita)
- [The renin-angiotensin-aldosterone system in diabetics] Kokot F. Pol Tyg Lek 33(31):1235-6, 31 Jul 78 (25 ref.) (Pol)
- [Effect of alpha, beta blocker, labetalol on the angiotensin renin system in arterial hypertension] Sánchez Torres G, et al. Arch Inst Cardiol Mex 48(3):549-61, May-Jun 78 (Eng. Abstr.) (Spa)
- [Renin dependent arterial hypertension in an infant with renal



## ADRENAL

## TRANSCORTIN

- hypoplasia] Norero C, et al. *Rev Chil Pediatr* 48(1):51-6, Jan-Feb 77 (Eng. Abstr.) (Spa)  
 [Chronic arterial hypertension in children (pathogenic mechanisms and treatment of the main causes of chronic arterial hypertension in children] Norero C, et al. *Rev Chil Pediatr* 48(1):46-52, Jan-Feb 77 (Eng. Abstr.) (Spa)

### STANDARDS

An international collaborative study of renin assay: establishment of the international reference preparation of human renin. Bingham DR, et al. *Clin Sci Mol Med* 48 Suppl 2:135a-159s, Jun 75

## SPIRONOLACTONE

Stability of pediatric liquid dosage forms of ethacrynic acid, indomethacin, methylodopate hydrochloride, prednisone and spironolactone. Das Gupta V, et al. *Am J Hosp Pharm* 35(11):1382-5, Nov 78

### ADMINISTRATION & DOSAGE

[Anesthesia-intensive care in surgery for Conn's syndrome] du Gres B, et al. *Anesth Analg (Paris)* 35(2):263-7, Mar-Apr 78 (Fre)

### ADVERSE EFFECTS

Drug treatment of mild hypertension: adverse consequences. Moses C. *Ann NY Acad Sci* 304:84-98, 30 Mar 78  
 Antihypertensive responses to spironolactone in normal renin hypertension. Ogilvie RI, et al. *Clin Pharmacol Ther* 24(5):525-30, Nov 78

### PHARMACODYNAMICS

Effects of Aldactazide and DOCA injections on saline preference in Gerbils (*Meriones unguiculatus*). Wong R, et al. *Behav Biol* 23(4):460-8, Aug 78  
 Subpressor angiotensin infusion, renal sodium handling, and salt-induced hypertension in the dog. DeClue JW, et al. *Circ Res* 43(4):503-12, Oct 78  
 Gynecomastia induced in normal males by spironolactone. Huffman DH, et al. *Clin Pharmacol Ther* 24(4):465-73, Oct 78  
 Antihypertensive responses to spironolactone in normal renin hypertension. Ogilvie RI, et al. *Clin Pharmacol Ther* 24(5):525-30, Nov 78  
 Effect of microsomal enzyme inducers on 2,3,7,8-tetrachlorodibenzo-p-dioxin-induced depression in the biliary excretion of ouabain in rats. Hamada N, et al. *Drug Metab Dispos* 6(4):456-64, Jul-Aug 78  
 Effect of clonidine (Haemiton) on plasma renin level and angiotensin sensitivity in man. Gachályi B, et al. *Int J Clin Pharmacol Biopharm* 16(9):433-6, Sep 78  
 Cadmium toxicity and liver mitochondria. II. Protective effect of hepatic soluble fraction against cadmium-induced mitochondrial dysfunction. Sato N, et al. *J Biochem (Tokyo)* 84(1):127-33, Jul 78  
 Control of plasma aldosterone in a patient with Conn's syndrome before and during spironolactone medication. Vetter H, et al. *Klin Wochenschr* 53(8):391-3, 15 Apr 75  
 The effect of the administration of spironolactone on the concentration of plasma testosterone, estradiol and cortisol in male dogs (1). Menard RH, et al. *Steroids* 31(6):771-82, Jun 78  
 [Antialdosterones and enzymes of the adrenal gland] Aupetit B, et al. *Arch Mal Coeur* 71 Spec No:53-9, Jul 78 (Eng. Abstr.) (Fre)  
 [Action of morphine and amidopyrine against a background of mineralocorticoid hormone and its antagonist] El'tsova ZI, et al. *Farmakol Toksikol* 41(5):541-4, Sep-Oct 78 (Eng. Abstr.) (Rus)

### THERAPEUTIC USE

Bartter's syndrome without hyperplasia of the juxtaglomerular apparatus, treated with indomethacin. Kornerup HJ, et al. *Acta Med Scand* 204(3):235-9, 1978  
 Antihypertensive responses to spironolactone in normal renin hypertension. Ogilvie RI, et al. *Clin Pharmacol Ther* 24(5):525-30, Nov 78  
 Control of plasma aldosterone in a patient with Conn's syndrome before and during spironolactone medication. Vetter H, et al. *Klin Wochenschr* 53(8):391-3, 15 Apr 75  
 Update on agents for chronic hypertension. Plein JB.

*Nurse Pract* 3(5):39, 43, 53, Sep-Oct 78

[Treatment of essential hypertension with a combination of propranolol, spironolactone-thiabutazide and dihydralazine (author's transl)] Ebel H, et al. *Dtsch Med Wochenschr* 103(42):1650-5, 20 Oct 78 (Eng. Abstr.) (Ger)  
 [Effect of aldactone on the mineralocorticoid function of the adrenal cortex and the sodium and potassium content in the blood of middle-aged and elderly persons] Svechnikova NV, et al. *Vrach Delo* (8):49-52, 1978 (Eng. Abstr.) (Rus)

## TRANSCORTIN

The accessible cysteine residue of human transcortin. Evidence for oxidation of the sulphhydryl group. Le Gaillard F, et al. *FEBS Lett* 94(1):63-7, 1 Oct 78  
 [Biochemical basis for the study of steroid hormones (proceedings)] Degrelle H. *Ann Biol Clin (Paris)* 36(3):168-71, 1978 (Fre)  
 [Reversible conformational changes in components of the transcortin-steroid complex] Akhram AA, et al. *Dokl Akad Nauk SSSR* 241(5):1207-9, 11 Aug 78 (Rus)

### METABOLISM

Thermal activation of steroid binding principle in commercial bovine serum albumin. Agarwal MK, et al. *FEBS Lett* 93(1):129-32, 1 Sep 78  
 Plasma corticosterone binding capacity in the partially decapitated chick embryo. Gasc JM, et al. *Gen Comp Endocrinol* 35(3):274-9, Jul 78  
 [Effects of several estrogenic compounds on serum corticosteroid-binding globulin (CBG) and the estrogen thresholds for increasing CBG (author's transl)] Kawagoe S, et al. *Nippon Naibunpi Gakkai Zasshi* 54(5):666-75, 20 May 78 (Eng. Abstr.) (Jpn)

# ADRENAL

## V. Adrenal Medulla

### ADRENAL MEDULLA

- Tumours of the adrenal gland. Hollander CF, et al.  
IARC Sci Publ (6):273-93, 1976 (34 ref.)  
[On the histology of malignant tumours in infants and children  
(author's transl)] Wöckel W. Dtsch Med Wochenschr  
103(43):1707-10, 27 Oct 78 (Eng. Abstr.) (Ger)  
[Virilism due to an adrenal medullary tumor with ectopic  
ACTH syndrome (author's transl)] Kley HK, et al.  
Klin Wochenschr 53(7):321-7, 1 Apr 75 (Ger)

#### ANALYSIS

- The isolation and characterization of the methyl acceptor  
protein from adrenal chromaffin granules. Borchardt RT,  
et al. Biochem Biophys Res Commun 83(3):970-6, 14 Aug  
78

#### CYTOLOGY

- Certain cytologic features of the porcine adrenal medulla.  
Palmer EG. Am J Vet Res 39(8):1363-6, Aug 78  
On the chromaffin cells in dog adrenal medulla; with special  
reference to the small granule chromaffin cells (SGC cells).  
Kajihara H, et al. Cell Tissue Res 191(1):1-14, 13 Jul 78  
Veratridine-induced secretion in medullary cells isolated from  
the bovine adrenal gland [proceedings] Knight DE, et al.  
J Physiol (Lond) 281:18P-19P, Aug 78

#### DRUG EFFECTS

- Interactions of metallic cations with calcium in  
adrenomedullary secretion. Borowitz JL.  
Ann NY Acad Sci 307:645-7, 28 Apr 78  
Veratridine-induced secretion in medullary cells isolated from  
the bovine adrenal gland [proceedings] Knight DE, et al.  
J Physiol (Lond) 281:18P-19P, Aug 78

#### ENZYMOLGY

- A simple and sensitive fluorometric assay for tyrosine  
hydroxylase. Yamauchi T, et al. Anal Biochem 89(1):143-50,  
15 Aug 78  
Comparison of tyrosine hydroxylase and choline  
acetyltransferase activity in response to sympathetic nervous  
system activation. Lund DD, et al. Brain Res 156(1):192-7,  
3 Nov 78

#### INNERVATION

- [The sympathetic-adrenal system in burns] Lewandowski A.  
Wiad Lek 31(12):841-4, 15 Jun 78 (Eng. Abstr.) (Pol)

#### METABOLISM

- Localization of vitamin A-storing cells in the mouse adrenal  
gland: an electron microscopic autoradiographic study.  
Hirosawa K, et al. Am J Anat 153(2) Oct 78

#### PATHOLOGY

- Evidence for secretion of vasoactive intestinal peptide by  
tumours of pancreas, adrenal medulla, thyroid and lung:  
support for the unifying APUD concept. Said SI.  
Clin Endocrinol (Oxf) 5 Suppl:201S-204S, 1976

#### PHYSIOLOGY

- The role of the adrenal medulla in the psychosomatic activity  
and reactivity to stresses. Mandache FL, et al.  
Endocrinologie 16(3):171-8, Jul-Sep 78  
Neuroendocrine response patterns in dominant and  
subordinate mice. Ely DL, et al. Horm Behav 10(2):156-69,  
Apr 78  
Studies on the distribution of phenylethanolamine  
N-methyltransferase and epinephrine in the rat. Pendleton  
RG, et al. Res Commun Chem Pathol Pharmacol  
21(2):315-25, Aug 78  
[Adrenal medulla—catecholamine in urine and chromogranin  
in plasma (author's transl)] Yamada R. Rinsho Byori

26(6):483-6, Jun 78

(Jpn)

#### PHYSIOPATHOLOGY

- The role of the adrenal medulla in the psychosomatic activity  
and reactivity to stresses. Mandache FL, et al.  
Endocrinologie 16(3):171-8, Jul-Sep 78

#### SECRETION

- Interactions of metallic cations with calcium in  
adrenomedullary secretion. Borowitz JL.  
Ann NY Acad Sci 307:645-7, 28 Apr 78  
On the chromaffin cells in dog adrenal medulla; with special  
reference to the small granule chromaffin cells (SGC cells).  
Kajihara H, et al. Cell Tissue Res 191(1):1-14, 13 Jul 78  
Evidence for secretion of vasoactive intestinal peptide by  
tumours of pancreas, adrenal medulla, thyroid and lung:  
support for the unifying APUD concept. Said SI.  
Clin Endocrinol (Oxf) 5 Suppl:201S-204S, 1976  
Veratridine-induced secretion in medullary cells isolated from  
the bovine adrenal gland [proceedings] Knight DE, et al.  
J Physiol (Lond) 281:18P-19P, Aug 78  
[Virilism due to an adrenal medullary tumor with ectopic  
ACTH syndrome (author's transl)] Kley HK, et al.  
Klin Wochenschr 53(7):321-7, 1 Apr 75 (Ger)  
[Experimental studies on alpha receptor blockaders—effects  
on catecholamine secretion by the adrenal medulla] Nakai  
T, et al. Hormon To Rinsho 26(1):85-8, Jan 78 (Jpn)  
[Adrenal catecholamine secretion during activation of the  
sympatho-adrenal system] Sukhova ZI, et al. Tsitologia  
20(5):496-501, May 78 (Eng. Abstr.) (Rus)

#### ULTRASTRUCTURE

- Localization of vitamin A-storing cells in the mouse adrenal  
gland: an electron microscopic autoradiographic study.  
Hirosawa K, et al. Am J Anat 153(2) Oct 78  
Certain cytologic features of the porcine adrenal medulla.  
Palmer EG. Am J Vet Res 39(8):1363-6, Aug 78  
Direct connections between mitochondria and  
catecholamine-storage vesicles demonstrated by high  
voltage electron microscopy in rat adrenal medulla.  
Carmichael SW, et al. Cell Tissue Res 191(3):421-32, 16  
Aug 78  
On the chromaffin cells in dog adrenal medulla; with special  
reference to the small granule chromaffin cells (SGC cells).  
Kajihara H, et al. Cell Tissue Res 191(1):1-14, 13 Jul 78  
The character of the stored molecules in chromaffin granules  
of the adrenal medulla: a nuclear magnetic resonance study.  
Daniels AJ, et al. Neuroscience 3(6):573-85, 1978  
[Adrenal catecholamine secretion during activation of the  
sympatho-adrenal system] Sukhova ZI, et al. Tsitologia  
20(5):496-501, May 78 (Eng. Abstr.) (Rus)

### CATECHOLAMINES

- Direct connections between mitochondria and  
catecholamine-storage vesicles demonstrated by high  
voltage electron microscopy in rat adrenal medulla.  
Carmichael SW, et al. Cell Tissue Res 191(3):421-32, 16  
Aug 78

#### ANALYSIS

- [Adrenal, cardiac and skeletal muscle catecholamines in liver  
innervation disorders] Aksenova VM.  
Patol Fiziol Eksp Ter (4):67-9, Jul-Aug 78 (Eng. Abstr.)  
(Rus)

#### BIOSYNTHESIS

- Catecholamines: effects of ACTH and adrenal corticoids.  
Axelrod J. Ann NY Acad Sci 297:275-83, 28 Oct 77

#### BLOOD

- Adrenal origin of plasma catecholamines after decapitation:  
a study in normal and diabetic rats. Berkowitz BA, et al.  
Br J Pharmacol 64(1):3-5, Sep 78



## ADRENAL

## EPINEPHRINE

Intraoperative management of pheochromocytoma with sodium nitroprusside. Daggett P, et al. *Br Med J* 2(6133):311-3, 29 Jul 78

Studies on the distribution of phenylethanolamine N-methyltransferase and epinephrine in the rat. Pendleton RG, et al. *Res Commun Chem Pathol Pharmacol* 21(2):315-25, Aug 78

### METABOLISM

Tissue catecholamine and arterial blood pressure changes in non-anaesthetised rats following administration of a new derivative of furanocarboxylic acid with pressor effect. Filczewski M, et al. *Acta Physiol Pol* 29(3):251-8, May-Jun 78

Differential impairment of thermogenesis in the pigeon after chemical sympathectomy. Hohtola E, et al. *Can J Physiol Pharmacol* 56(4):578-84, Aug 78

Studies on the distribution of phenylethanolamine N-methyltransferase and epinephrine in the rat. Pendleton RG, et al. *Res Commun Chem Pathol Pharmacol* 21(2):315-25, Aug 78

[Indices of the sympathetic-adrenal and hypophyseal-adrenocortical system reactions in myocardial infarct patients during physical rehabilitation] Shverina TA, et al. *Kardiologia* 18(9):93-100, Sep 78 (Eng. Abstr.)

[Sympathetic-adrenal system in chronic cardiovascular insufficiency in hypertension] Grigor'eva ZE. *Vrach Delo* (9):29-32, Sep 78 (Eng. Abstr.) (Rus)

### SECRETION

Interactions of metallic cations with calcium in adrenomedullary secretion. Borowitz JL. *Ann NY Acad Sci* 307:645-7, 28 Apr 78

Veratridine-induced secretion in medullary cells isolated from the bovine adrenal gland [proceedings] Knight DE, et al. *J Physiol (Lond)* 281:18P-19P, Aug 78

[Ectopic pheochromocytoma with paroxysmal hypertensive symptoms—a case study] Izumi Y, et al. *Nippon Rinsho* 36(6):2588-92, 10 Jun 78 (Jpn)

[The sympathetic-adrenal system in burns] Lewandowski A. *Wiad Lek* 31(12):841-4, 15 Jun 78 (Eng. Abstr.) (Pol)

[Adrenal catecholamine secretion during activation of the sympatho-adrenal system] Sukhova ZI, et al. *Tsitologiya* 20(5):496-501, May 78 (Eng. Abstr.) (Rus)

### URINE

Pheochromocytoma: critical review of experiences with diagnosis and treatment. Ohman U, et al. *Prog Clin Cancer* 7:135-52, 1978 (108 ref.)

[Various aspects of pheochromocytoma] van den Broek PJ, et al. *Ned Tijdschr Geneesk* 122(46):1795-801, 18 Nov 78 (Eng. Abstr.) (Dut)

[Adrenal medulla—catecholamine in urine and chromogranin in plasma (author's transl)] Yamada R. *Rinsho Byori* 26(6):483-6, Jun 78 (Jpn)

[Reactivity of the sympathetic-adrenal system in juvenile thyrotoxicosis] Natarov VV, et al. *Probl Endokrinol (Mosk)* 24(5):25-9, Sep-Oct 78 (Eng. Abstr.) (Rus)

[Functional state of the sympathetic-adrenal system under the effect of organochlorine insecticides] Kuz'minskaia UA, et al. *Vrach Delo* (6):127-30, Jun 78 (Rus)

## CHROMAFFIN GRANULES

### ANALYSIS

The isolation and characterization of the methyl acceptor protein from adrenal chromaffin granules. Borchardt RT, et al. *Biochem Biophys Res Commun* 83(3):970-6, 14 Aug 78

### SECRETION

On the chromaffin cells in dog adrenal medulla; with special reference to the small granule chromaffin cells (SGC cells). Kajihara H, et al. *Cell Tissue Res* 191(1):1-14, 13 Jul 78

### ULTRASTRUCTURE

On the chromaffin cells in dog adrenal medulla; with special reference to the small granule chromaffin cells (SGC cells). Kajihara H, et al. *Cell Tissue Res* 191(1):1-14, 13 Jul 78

## CHROMAFFIN SYSTEM

### ANALYSIS

The isolation and characterization of the methyl acceptor protein from adrenal chromaffin granules. Borchardt RT, et al. *Biochem Biophys Res Commun* 83(3):970-6, 14 Aug 78

### METABOLISM

Catecholamines: effects of ACTH and adrenal corticoids. Axelrod J. *Ann NY Acad Sci* 297:275-83, 28 Oct 77

### PHYSIOLOGY

[State of the functional activity of the sympathetic-adrenal and enterochromaffin systems in construction workers and assemblers working on heights] Gorodtsova VI, et al. *Gig Tr Prof Zabol* (8):50-2, Aug 78 (Rus)

### ULTRASTRUCTURE

On the chromaffin cells in dog adrenal medulla; with special reference to the small granule chromaffin cells (SGC cells). Kajihara H, et al. *Cell Tissue Res* 191(1):1-14, 13 Jul 78

## DOPA

### METABOLISM

A simple and sensitive fluorometric assay for tyrosine hydroxylase. Yamauchi T, et al. *Anal Biochem* 89(1):143-50, 15 Aug 78

## DOPAMINE

### METABOLISM

Tissue catecholamine and arterial blood pressure changes in non-anaesthetised rats following administration of a new derivative of furanocarboxylic acid with pressor effect. Filczewski M, et al. *Acta Physiol Pol* 29(3):251-8, May-Jun 78

Catecholamines: effects of ACTH and adrenal corticoids. Axelrod J. *Ann NY Acad Sci* 297:275-83, 28 Oct 77

## EPINEPHRINE

The character of the stored molecules in chromaffin granules of the adrenal medulla: a nuclear magnetic resonance study. Daniels AJ, et al. *Neuroscience* 3(6):573-85, 1978

### ANALOGS & DERIVATIVES

Clinical usefulness of the beta-adrenergic antagonists. Lubbe WF. *S Afr Med J* 54(4):139-48, 22 Jul 78 (48 ref.)

### ANALYSIS

Adrenal activity in isolated mice and mice of different social status. Benton D, et al. *Physiol Behav* 20(4):459-64, Apr 78

### ANTAGONISTS & INHIBITORS

Drug-induced adrenaline release and blood glucose in rats: DL-1-methyl-2-(beta-naphthyl)-aziridine. Yoshizaki T, et al. *Jpn J Pharmacol* 28(2):205-11, Apr 78

### BLOOD

Plasma noradrenaline concentration and blood pressure in essential hypertension, pheochromocytoma and depression. Louis WJ, et al. *Clin Sci Mol Med* 48 Suppl 2:239s-242s, Jun 75

The role of the adrenal medulla in the psychosomatic activity and reactivity to stresses. Mandache FL, et al. *Endocrinologie* 16(3):171-8, Jul-Sep 78

Time course of sympathoadrenal adaptation to endurance exercise training in man. Winder WW, et al. *J Appl Physiol* 45(3):370-4, Sep 78

## EPINEPHRINE

### METABOLISM

- Tissue catecholamine and arterial blood pressure changes in non-anaesthetised rats following administration of a new derivative of furanocarboxylic acid with pressor effect. Filczewski M, et al. *Acta Physiol Pol* 29(3):251-8, May-Jun 78
- Studies on the distribution of phenylethanolamine N-methyltransferase and epinephrine in the rat. Pendleton RG, et al. *Res Commun Chem Pathol Pharmacol* 21(2):315-25, Aug 78

### PHARMACODYNAMICS

- Posttraining brain norepinephrine concentrations: correlation with retention performance of avoidance training and with peripheral epinephrine modulation of memory processing. Gold PE, et al. *Behav Biol* 23(4):509-20, Aug 78

### SECRETION

- Action of prostaglandin E2 on the release of catecholamines from the canine adrenal gland and its interaction with acetylcholine. Yamashita K, et al. *J Endocrinol* 78(2):249-54, Aug 78
- Drug-induced adrenaline release and blood glucose in rats: DL-1-methyl-2-(beta-naphthyl)-aziridine. Yoshizaki T, et al. *Jpn J Pharmacol* 28(2):205-11, Apr 78
- [Experimental studies on alpha receptor blockaders—effects on catecholamine secretion by the adrenal medulla] Nakai T, et al. *Horumon To Rinsho* 26(1):85-8, Jan 78 (Jpn)
- [Pheochromocytoma with arterial hypotension] Rebollar JL, et al. *Rev Clin Esp* 149(6):615-7, 30 Jun 78 (Spa)

### URINE

- Acute pulmonary oedema in a patient with phaeochromocytoma. Naeije R, et al. *Intensive Care Med* 4(3):165-7, Jul 78
- [State of the functional activity of the sympathetic-adrenal and enterochromaffin systems in construction workers and assemblers working on heights] Gorodtsova VI, et al. *Gig Tr Prof Zabol* (8):50-2, Aug 78 (Rus)
- [State of the sympathetic-adrenal system in workers subjected to prolonged exposure to intensive industrial noise (based on urinary catecholamine excretion data)] Makotchenko VM, et al. *Gig Tr Prof Zabol* (8):31-5, Aug 78 (Eng. Abstr.) (Rus)

## HYDROXYDOPAMINE

### PHARMACODYNAMICS

- Differential impairment of thermogenesis in the pigeon after chemical sympathectomy. Hohtola E, et al. *Can J Physiol Pharmacol* 56(4):578-84, Aug 78

## NOREPINEPHRINE

### ANALYSIS

- The cardiovascular effects of the antihypertensive drug debrisoquin: A contribution to the pharmacology of chronic treatment. III. Absence of adrenergic degeneration after 8-week administration to dogs. Saner A, et al. *J Pharmacol Exp Ther* 206(3):545-54, Sep 78
- Adrenal activity in isolated mice and mice of different social status. Benton D, et al. *Physiol Behav* 20(4):459-64, Apr 78

### BLOOD

- Plasma noradrenaline concentration and blood pressure in essential hypertension, phaeochromocytoma and depression. Louis WJ, et al. *Clin Sci Mol Med* 48 Suppl 2:239s-242s, Jun 75
- Time course of sympathoadrenal adaptation to endurance exercise training in man. Winder WW, et al. *J Appl Physiol* 45(3):370-4, Sep 78

### METABOLISM

- Tissue catecholamine and arterial blood pressure changes in non-anaesthetised rats following administration of a new derivative of furanocarboxylic acid with pressor effect. Filczewski M, et al. *Acta Physiol Pol* 29(3):251-8, May-Jun

## ADRENAL

78

- Catecholamines: effects of ACTH and adrenal corticoids. Axelrod J. *Ann NY Acad Sci* 297:275-83, 28 Oct 77
- Posttraining brain norepinephrine concentrations: correlation with retention performance of avoidance training and with peripheral epinephrine modulation of memory processing. Gold PE, et al. *Behav Biol* 23(4):509-20, Aug 78
- [Changes in 3H-noradrenaline activity in the adrenals and serum of rats under the influence of histamine and adrenocorticotrophic hormone] Raionov A, et al. *Eksp Med Morfol* 17(3):126-31, 1978 (Eng. Abstr.) (Bul)

### SECRETION

- Action of prostaglandin E2 on the release of catecholamines from the canine adrenal gland and its interaction with acetylcholine. Yamashita K, et al. *J Endocrinol* 78(2):249-54, Aug 78
- [Experimental studies on alpha receptor blockaders—effects on catecholamine secretion by the adrenal medulla] Nakai T, et al. *Horumon To Rinsho* 26(1):85-8, Jan 78 (Jpn)

### URINE

- Acute pulmonary oedema in a patient with phaeochromocytoma. Naeije R, et al. *Intensive Care Med* 4(3):165-7, Jul 78
- [State of the functional activity of the sympathetic-adrenal and enterochromaffin systems in construction workers and assemblers working on heights] Gorodtsova VI, et al. *Gig Tr Prof Zabol* (8):50-2, Aug 78 (Rus)
- [State of the sympathetic-adrenal system in workers subjected to prolonged exposure to intensive industrial noise (based on urinary catecholamine excretion data)] Makotchenko VM, et al. *Gig Tr Prof Zabol* (8):31-5, Aug 78 (Eng. Abstr.) (Rus)

## PHEOCHROMOCYTOMA

- Herpes simplex virus replication in pheochromocytoma cell line that responds to nerve growth factor. Pizer LI, et al. *Acta Neuropathol (Berl)* 44(1):9-14, 13 Oct 78
- [Multiple endocrine neoplasia (type II)] Fujimoto Y, et al. *Nippon Rinsho Suppl*:1524-5, May 78 (Jpn)
- [Pheochromocytoma in a thoracic location (paraganglioma). Case report] Cikoš J, et al. *Med Pregl* 31(7-8):313-8, 1978 (Eng. Abstr.) (Sec)

### BLOOD

- Plasma noradrenaline concentration and blood pressure in essential hypertension, phaeochromocytoma and depression. Louis WJ, et al. *Clin Sci Mol Med* 48 Suppl 2:239s-242s, Jun 75

### BLOOD SUPPLY

- Gel foam embolization of a functioning pheochromocytoma. Bunuan HD, et al. *Am J Surg* 136(3):395-8, Sep 78

### CHEMICALLY INDUCED

- Diagnosis of phaeochromocytoma after ingestion of imipramine. Mok J, et al. *Arch Dis Child* 53(8):676-7, Aug 78

### COMPLICATIONS

- Phaeochromocytoma with lactic acidosis. Keller U, et al. *Br Med J* 2(6137):606-7, 26 Aug 78
- Acute pulmonary oedema in a patient with phaeochromocytoma. Naeije R, et al. *Intensive Care Med* 4(3):165-7, Jul 78
- Medullary carcinoma and pheochromocytoma [letter] Warner TF. *JAMA* 240(17):1856, 20 Oct 78
- [Bilateral pheochromocytoma of the adrenal glands and a solitary neurofibroma of the dorsal mucosa of the tongue associated with a solid medullary carcinoma of the thyroid gland in Hashimoto's lymphocytic thyroiditis] Zeman V, et al. *Cesk Patol* 13(4):185-91, Nov 77 (Eng. Abstr.) (Cze)
- [Pheochromocytoma and emergency resuscitation. Apropos of 2 cases of pheochromocytoma manifested by acute circulatory insufficiency and pulmonary edema and accompanied by hypoglycemia] Barale F, et al. *Anesth Analg (Paris)* 35(2):233-40, Mar-Apr 78 (Fre)
- [Emergency surgical indications for pheochromocytomas] Lomessy A, et al. *Anesth Analg (Paris)* 35(2):227-32,



## ADRENAL

## PHEOCHROMOCYTOMA

- Mar-Apr 78 (Fre)  
[Virilism due to an adrenal medullary tumor with ectopic ACTH syndrome (author's transl)] Kley HK, et al. *Klin Wochenschr* 53(7):321-7, 1 Apr 75 (Ger)  
[Multiple primary tumors in a Wistar rat. Short original report] Gohlke R. *Z Versuchstierkd* 20(4):194-200, 1978 (Eng. Abstr.) (Ger)  
[Ectopic pheochromocytoma with paroxysmal hypertensive symptoms—a case study] Izumi Y, et al. *Nippon Rinsho* 36(6):2588-92, 10 Jun 78 (Jpn)  
[Suspected pheochromocytoma and final diagnosis in patients with hypertension] Januszewicz W, et al. *Pol Tyg Lek* 33(22):877-9, 29 May 78 (Eng. Abstr.) (Pol)  
[Pheochromocytoma with arterial hypotension] Rebollar JL, et al. *Rev Clin Esp* 149(6):615-7, 30 Jun 78 (Spa)

### DIAGNOSIS

- Pheochromocytoma with lactic acidosis. Keller U, et al. *Br Med J* 2(6137):606-7, 26 Aug 78  
Natural history of familial medullary thyroid carcinoma: effect of a program for early diagnosis. Graze K, et al. *N Engl J Med* 299(18):980-5, 2 Nov 78  
Pheochromocytoma: critical review of experiences with diagnosis and treatment. Ohman U, et al. *Prog Clin Cancer* 7:135-52, 1978 (108 ref.)  
[Diagnosis of pheochromocytoma in childhood] Stavratjev M, et al. *Cesk Pediatr* 33(5):289-92, May 78 (Eng. Abstr.) (Cze)  
[Various aspects of pheochromocytoma] van den Broek PJ, et al. *Ned Tijdschr Geneesk* 122(46):1795-801, 18 Nov 78 (Eng. Abstr.) (Dut)  
[Anesthetic evidence of pheochromocytoma] Roquefeuil B, et al. *Ann Anesthesiol Fr* 19(6):568-70, 1978 (Eng. Abstr.) (Fre)  
[A case of a 5-kilogram-weighting cervicothoracic hump in man: brown fatty tumor (pheochromocytoma); immediate disappearance of the cardiovascular syndrome postoperatively] Rabenantoandro C, et al. *Rev Laryngol Otol Rhinol (Bord)* 99(5-6):369-75, May-Jun 78 (Eng. Abstr.) (Fre)  
[Ectopic pheochromocytoma with paroxysmal hypertensive symptoms—a case study] Izumi Y, et al. *Nippon Rinsho* 36(6):2588-92, 10 Jun 78 (Jpn)  
[Adrenal medulla—catecholamine in urine and chromogranin in plasma (author's transl)] Yamada R. *Rinsho Byori* 26(6):483-6, Jun 78 (Jpn)  
[Suspected pheochromocytoma and final diagnosis in patients with hypertension] Januszewicz W, et al. *Pol Tyg Lek* 33(22):877-9, 29 May 78 (Eng. Abstr.) (Pol)  
[Extra-adrenal pheochromocytoma] Pires WR, et al. *Rev Paul Med* 91(5-6):143-4, May-Jun 78 (Eng. Abstr.) (Por)

### DRUG THERAPY

- Clinical usefulness of the beta-adrenergic antagonists. Lubbe WF. *S Afr Med J* 54(4):139-48, 22 Jul 78 (48 ref.)

### EMBRYOLOGY

- Unifying concept of non-pituitary ACTH-secreting tumors: evidence of common origin of neural-crest tumors, carcinoids, and oat-cell carcinomas. Skrabanek P, et al. *Cancer* 42(3):1263-9, Sep 78 (0 ref.)

### ENZYMOLGY

- Selective enzyme induction in a nerve growth factor-responsive pheochromocytoma cell line (PC 12). Edgar DH, et al. *Brain Res* 154(1):186-90, 6 Oct 78  
Nerve growth factor-mediated selective induction of ornithine decarboxylase in rat pheochromocytoma; a cyclic AMP-independent process. Hatanaka H, et al. *FEBS Lett* 92(2):313-6, 15 Aug 78  
Nerve growth factor-mediated induction of tyrosine hydroxylase in a clonal pheochromocytoma cell line. Goodman R, et al. *Proc Natl Acad Sci USA* 75(9):4587-90, Sep 78

### PATHOLOGY

- Tumours of the adrenal gland. Hollander CF, et al. *IARC Sci Publ* (6):273-93, 1976 (34 ref.)  
[Bilateral pheochromocytoma of the adrenal glands and a solitary neurofibroma of the dorsal mucosa of the tongue associated with a solid medullary carcinoma of the thyroid gland in Hashimoto's lymphocytic thyroiditis] Zeman V, et al. *Cesk Patol* 13(4):185-91, Nov 77 (Eng. Abstr.) (Cze)

- [Pheochromocytoma and emergency resuscitation. Apropos of 2 cases of pheochromocytoma manifested by acute circulatory insufficiency and pulmonary edema and accompanied by hypoglycemia] Barale F, et al. *Anesth Analg (Paris)* 35(2):233-40, Mar-Apr 78 (Fre)  
[Extra-adrenal pheochromocytoma] Pires WR, et al. *Rev Paul Med* 91(5-6):143-4, May-Jun 78 (Eng. Abstr.) (Por)

### PHYSIOPATHOLOGY

- Plasma noradrenaline concentration and blood pressure in essential hypertension, phaeochromocytoma and depression. Louis WJ, et al. *Clin Sci Mol Med* 48 Suppl 2:239s-242s, Jun 75  
Acute pulmonary oedema in a patient with phaeochromocytoma. Naeije R, et al. *Intensive Care Med* 4(3):165-7, Jul 78  
[Multiple endocrine adenomatosis] Wasylewski A. *Pol Tyg Lek* 33(36):1433-5, 4 Sep 78 (Pol)

### RADIOGRAPHY

- Gel foam embolization of a functioning pheochromocytoma. Bunuan HD, et al. *Am J Surg* 136(3):395-8, Sep 78  
The diagnostic significance of the various radiological examinations in adrenal disease. Sasaki T. *Nippon Igaku Hoshasen Gakkai Zasshi* 38(5):416-22, 25 May 78

### RADIONUCLIDE IMAGING

- The diagnostic significance of the various radiological examinations in adrenal disease. Sasaki T. *Nippon Igaku Hoshasen Gakkai Zasshi* 38(5):416-22, 25 May 78

### SECRETION

- Unifying concept of non-pituitary ACTH-secreting tumors: evidence of common origin of neural-crest tumors, carcinoids, and oat-cell carcinomas. Skrabanek P, et al. *Cancer* 42(3):1263-9, Sep 78 (0 ref.)  
[Virilism due to an adrenal medullary tumor with ectopic ACTH syndrome (author's transl)] Kley HK, et al. *Klin Wochenschr* 53(7):321-7, 1 Apr 75 (Ger)

### SURGERY

- Gel foam embolization of a functioning pheochromocytoma. Bunuan HD, et al. *Am J Surg* 136(3):395-8, Sep 78  
Intraoperative management of phaeochromocytoma with sodium nitroprusside. Daggett P, et al. *Br Med J* 2(6133):311-3, 29 Jul 78  
[Various aspects of pheochromocytoma] van den Broek PJ, et al. *Ned Tijdschr Geneesk* 122(46):1795-801, 18 Nov 78 (Eng. Abstr.) (Dut)  
[Alpha-blocking agents in preparation for intervention on pheochromocytomas] Cecat P, et al. *Anesth Analg (Paris)* 35(2):219-26, Mar-Apr 78 (Fre)  
[Our current experience with anesthesia and intensive care in pheochromocytoma surgery (apropos of 6 cases)] Lareng L, et al. *Anesth Analg (Paris)* 35(2):241-50, Mar-Apr 78 (Fre)  
[Emergency surgical indications for pheochromocytomas] Lomessy A, et al. *Anesth Analg (Paris)* 35(2):227-32, Mar-Apr 78 (Fre)  
[Extra-adrenal pheochromocytoma] Pires WR, et al. *Rev Paul Med* 91(5-6):143-4, May-Jun 78 (Eng. Abstr.) (Por)  
[Anesthesia in pheochromocytoma] Cortés Froteza C, et al. *Rev Esp Anesthesiol Reanim* 25(3):259-68, May 78 (Spa)  
[Pheochromocytoma and its surgical-anesthetic incidence] López Guerrero AJ, et al. *Rev Esp Anesthesiol Reanim* 25(3):247-58, May 78 (Eng. Abstr.) (Spa)

### THERAPY

- Pheochromocytoma: critical review of experiences with diagnosis and treatment. Ohman U, et al. *Prog Clin Cancer* 7:135-52, 1978 (108 ref.)

### ULTRASTRUCTURE

- [Virilism due to an adrenal medullary tumor with ectopic ACTH syndrome (author's transl)] Kley HK, et al. *Klin Wochenschr* 53(7):321-7, 1 Apr 75 (Ger)

## PHEOCHROMOCYTOMA

## ADRENAL

### URINE

Acute pulmonary oedema in a patient with  
phaeochromocytoma. Naeije R, et al.  
*Intensive Care Med* 4(3):165-7, Jul 78

Pheochromocytoma: critical review of experiences with  
diagnosis and treatment. Ohman U, et al.  
*Prog Clin Cancer* 7:135-52, 1978 (108 ref.)

## VANILMANDELIC ACID

### URINE

Pheochromocytoma: critical review of experiences with  
diagnosis and treatment. Ohman U, et al.  
*Prog Clin Cancer* 7:135-52, 1978 (108 ref.)

[Extra-adrenal pheochromocytoma] Pires WR, et al.  
*Rev Paul Med* 91(5-6):143-4, May-Jun 78 (Eng. Abstr.)  
(Por)

[Reactivity of the sympathetic-adrenal system in juvenile  
thyrotoxicosis] Natarov VV, et al.  
*Probl Endokrinol (Mosk)* 24(5):25-9, Sep-Oct 78 (Eng.  
Abstr.) (Rus)



# GONADS

## I. *Physical and Functional Aspects*

### GONADS

Treatment of childhood cancer: effects on the gonads  
[editorial] *Br Med J* 2(6140):785-6, 16 Sep 78

#### ANATOMY & HISTOLOGY

Intersex, a temperature-sensitive mutant of the nematode  
*Caenorhabditis elegans*. Nelson GA, et al. *Dev Biol*  
66(2):386-409, Oct 78

#### DRUG EFFECTS

Treatment of childhood cancer: effects on the gonads  
[editorial] *Br Med J* 2(6140):785-6, 16 Sep 78

[Action of dimethyldioxane on the generative function of  
experimental animals] Smirnov VT, et al. *Gig Sanit* (9):16-8,  
Sep 78 (Eng. Abstr.) (Rus)

#### EMBRYOLOGY

[Proposed method of evaluation of the degree of sex  
differentiation of the gonads during development of anuran  
amphibians] Zaccanti F, et al. *Arch Ital Anat Embriol*  
82(3):233-52, Jul-Sep 77 (Eng. Abstr.) (Ita)

#### ENZYMOMOLOGY

[Purification and properties of beta-N-acetylglucosaminidase  
from *Mytilus edulis* L. gonads (author's transl)]  
Sánchez-Mozo P, et al. *Rev Esp Fisiol* 34(2):123-5, Jun 78  
(Eng. Abstr.) (Spa)

#### GROWTH & DEVELOPMENT

[Transmission of light through the skull in rats of both sexes]  
Viggiani E, et al. *Boll Soc Ital Biol Sper* 54(7):665-9, 15  
Apr 78 (Ita)

#### PATHOLOGY

The pure gonadal dysgenesis syndrome. Favez JA.  
*Int J Gynaecol Obstet* 15(6):550-3, 1978

#### PHYSIOPATHOLOGY

[Estimation of androgenic functions of the adrenal cortex and  
gonads in selected forms of genital abnormalities in children  
and adolescents] Pawlaczyk B. *Endokrynol Pol* 29(4):347-52,  
Jul-Aug 78 (Pol)

#### RADIATION EFFECTS

Treatment of childhood cancer: effects on the gonads  
[editorial] *Br Med J* 2(6140):785-6, 16 Sep 78

[Possibilities and limits of bone scintigraphy] Börner W.  
*Z Orthop* 116(4):489-93, Aug 78 (Ger)

# GONADS

## Ovary

### CORPUS LUTEUM

- [Results of routine treatment with Clomiphen (author's transl)] Gronau A, et al. *Geburtshilfe Frauenheilkd* 38(10):775-84, Oct 78 (Eng. Abstr.) (Ger)
- [Prophylactic medication to prevent miscarriage in pregnant women with a history of sterility (author's transl)] Philipp K, et al. *Wien Klin Wochenschr* 90(18):670-2, 29 Sep 78 (Eng. Abstr.) (Ger)

### ANATOMY & HISTOLOGY

- Uterine protein secretions in postpartum sows. Segerson EC Jr, et al. *J Anim Sci* 46(6):1730-7, Jun 78

### CYTOLOGY

- Induced ovulation, development of the corpus luteum, and tubal transport in the striped skunk (*Mephitis mephitis*). Wade-Smith J, et al. *Am J Anat* 153(1):123-41, Sep 78

### DRUG EFFECTS

- Effect of oestrogen on fetal survival in the rabbit. Badawy S, et al. *J Reprod Fertil* 53(2):237-9, Jul 78
- On the activation of the corpus luteum of rat estrous cycle with phenobarbital anesthesia. II. Blockade by luteinizing hormone of phenobarbital-induced pseudopregnancy. Furudate S. *Kitasato Arch Exp Med* 50(1-2):47-56, Jun 77
- [Ovarian changes following GRH application in cows with normal ovarian function] Berchtold M, et al. *Schweiz Arch Tierheilkd* 120(8):377-82, Aug 78 (Eng. Abstr.) (Ger)
- [Effects of postovulatory synthetic corticosteroid administration on ovarian function in women (author's transl)] Koyama T, et al. *Nippon Naibunpi Gakkai Zasshi* 54(5):648-53, 20 May 78 (Eng. Abstr.) (Jpn)

### ENZYMOLGY

- Solubilization of bovine corpus-luteum adenylate cyclase in lubrol-PX, triton X-100 or digitonin and the stabilizing effect of sodium fluoride present in the solubilization medium. Young JL, et al. *Biochem J* 173(3):919-24, 1 Sep 78
- Electron cytochemical demonstration of four hydrolytic enzymes in the rat corpora lutea at second half of gestation. Al-Mehdi MI. *Histochemistry* 56(3-4):317-27, 12 Jul 78
- Biochemical changes in the corpora lutea of pregnant and lactating hamsters. Chatterjee S, et al. *J Endocrinol* 78(2):261-5, Aug 78

### METABOLISM

- Histochemical observations on the guinea pig ovary during pregnancy and lactation. Guraya SS. *Arch Ital Anat Embriol* 82(3):193-232, Jul-Sep 77
- Biochemical changes in the corpora lutea of pregnant and lactating hamsters. Chatterjee S, et al. *J Endocrinol* 78(2):261-5, Aug 78
- [The pathological secretion of prolactin (author's transl)] Schaison G. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):634-9, Apr 78 (Eng. Abstr.) (Fre)

### PHYSIOLOGY

- Effects of medial hypothalamic deafferentation on prolactin secretion in pseudopregnant rats. Kato H, et al. *Acta Endocrinol (Copenh)* 89(3):425-31, Nov 78
- Induced ovulation, development of the corpus luteum, and tubal transport in the striped skunk (*Mephitis mephitis*). Wade-Smith J, et al. *Am J Anat* 153(1):123-41, Sep 78
- The effect of a progesterone-releasing intrauterine contraceptive device on uterine secretion of prostaglandin F<sub>2</sub>alpha and life-span of corpora lutea in the ewe. Murdoch WJ, et al. *Am J Obstet Gynecol* 132(1):81-6, 1 Sep 78
- Secretion of steroids after induced luteal regression in beef heifers: effects of PGF<sub>2</sub> alpha and removal of corpora lutea. Fogwell RL, et al. *J Anim Sci* 46(6):1718-23, Jun 78

- [Physiology of prolactin secretion. Analytic methods] Jaffiol C, et al. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):625-33, Apr 78 (Eng. Abstr.) (Fre)
- [New acquisitions on the hormonal regulation of the menstrual cycle] Kyank H, et al. *Z Aerzt Fortbild (Jena)* 72(15):710-9, 1 Aug 78 (Ger)

### RADIATION EFFECTS

- [Effects of small doses of gamma rays on gestation in mice] Templier J, et al. *C R Soc Biol (Paris)* 172(1):177-80, 1978 (Eng. Abstr.) (Fre)

### SECRETION

- The corpus luteum of the guinea pig. II. Cytochemical studies on the Golgi complex, GERL, and lysosomes in luteal cells during maximal progesterone secretion. Paavola LG. *J Cell Biol* 79(1):45-58, Oct 78

### ULTRASTRUCTURE

- The corpus luteum of the guinea pig. II. Cytochemical studies on the Golgi complex, GERL, and lysosomes in luteal cells during maximal progesterone secretion. Paavola LG. *J Cell Biol* 79(1):45-58, Oct 78
- The corpus luteum of the guinea pig. III. Cytochemical studies on the Golgi complex and GERL during normal postpartum regression of luteal cells, emphasizing the origin of lysosomes and autophagic vacuoles. Paavola LG. *J Cell Biol* 79(1):59-73, Oct 78

### GRAAFIAN FOLLICLE

- Ovarian biopsy in the evaluation of amenorrhea. Karam K, et al. *Acta Obstet Gynecol Scand* 57(4):361-11, 1978
- Ovarian follicular apparatus and hormonal parameters in patients with primary and secondary amenorrhea. Nakano R, et al. *Acta Obstet Gynecol Scand* 57(4):293-300, 1978

### ANATOMY & HISTOLOGY

- Oestrous and ovarian responses to exogenous progesterone and oestrogen in prepubertal ewe lambs in relation to the fecundity of their dams. Whyman D. *J Reprod Fertil* 53(2):323-30, Jul 78

### DRUG EFFECTS

- Action of testosterone propionate on the gonadotrophic function of the pituitary gland in the cyclic female rat. Hassani M, et al. *Acta Endocrinol (Copenh)* 89(3):551-6, Nov 78
- Therapeutic use of luteinizing hormone-releasing hormone in the human female. Nillius SJ. *Curr Top Mol Endocrinol* 3:93-112, 1976
- Bovine ovarian and pituitary responses to PMS and GnRH administered during metestrus. Ford SP, et al. *J Anim Sci* 46(6):1701-6, Jun 78
- Oestrous and ovarian responses to exogenous progesterone and oestrogen in prepubertal ewe lambs in relation to the fecundity of their dams. Whyman D. *J Reprod Fertil* 53(2):323-30, Jul 78
- [Pathogenetic conditioning of the therapeutic effect of infecundin] Kozhin AA. *Akush Ginekol (Mosk)* (8):40-3, Aug 78 (Eng. Abstr.) (Rus)

### ENZYMOLGY

- Lactate dehydrogenase in rabbit oocytes and eggs. Peacock TA, et al. *Can J Genet Cytol* 20(2):291-3, Jun 78
- Follicular plasminogen and plasminogen activator and the effect of plasmin on ovarian follicle wall. Beers WH. *Cell* 6(3):379-86, Nov 75

### GROWTH & DEVELOPMENT

- Maturational changes in sheep ovarian follicles: gonadotrophic stimulation of cyclic AMP production by isolated theca and granulosa cells. Weiss TJ, et al.



*Acta Endocrinol (Copenh)* 89(1):166-72, Sep 78  
 Follicular development in ovaries of children with Down's syndrome. Højager B, et al. *Acta Paediatr Scand* 67(5):637-43, Sep 78

#### METABOLISM

In vivo responses of female snakes (*Natrix fasciata*) and female turtles (*Chrysemys picta*) to ovine gonadotropins (FSH and LH) as measured by plasma progesterone, testosterone, and estradiol levels. Lance V, et al. *Gen Comp Endocrinol* 35(3):295-301, Jul 78

#### PATHOLOGY

Follicular development in ovaries of children with Down's syndrome. Højager B, et al. *Acta Paediatr Scand* 67(5):637-43, Sep 78  
 Morphological study of the ovaries of leukaemic children. Himmelstein-Braw R, et al. *Br J Cancer* 38(1):82-7, Jul 78

#### PHYSIOLOGY

Effect of follicular fluid on the surface ultrastructure of rat granulosa cells in vitro. Bernard J, et al. *Biol Reprod* 19(1):133-43, Aug 78  
 Regulation of reproductive cycles of tropical spotted munia and weaverbird. pp. 61-3. Chandola A, et al.  
 In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.

#### ULTRASTRUCTURE

Desmosomes: their occurrence between adjacent primary oocytes in polyovular follicles in the rabbit. Szöllösi D. *Cell Tissue Res* 191(1):115-9, 13 Jul 78

### GRANULOSA CELLS

#### DRUG EFFECTS

Mechanism of luteinizing hormone regulation of prostaglandin synthesis in rat granulosa cells. Clark MR, et al. *J Biol Chem* 253(21):7757-61, 10 Nov 78  
 Prostaglandin 12 stimulation of granulosa cell cyclic AMP production. Goff AK, et al. *Prostaglandins* 15(5):875-9, May 78

#### ENZYMOLOGY

Prostaglandin stimulation of ovarian ornithine decarboxylase in vitro. Osterman J, et al. *Biochem Biophys Res Commun* 83(3):794-9, 14 Aug 78

#### METABOLISM

Cyclic AMP and cyclic GMP accumulation by isolated hamster granulosa cells stimulated by LH and FSH. Makris A, et al. *Acta Endocrinol (Copenh)* 89(1):173-81, Sep 78  
 Maturation changes in sheep ovarian follicles: gonadotrophic stimulation of cyclic AMP production by isolated theca and granulosa cells. Weiss TJ, et al. *Acta Endocrinol (Copenh)* 89(1):166-72, Sep 78  
 Ovarian plasminogen activator: relationship to ovulation and hormonal regulation. Beers WH, et al. *Cell* 6(3):387-94, Nov 75  
 Mechanism of luteinizing hormone regulation of prostaglandin synthesis in rat granulosa cells. Clark MR, et al. *J Biol Chem* 253(21):7757-61, 10 Nov 78  
 Transmission of hormonal stimulation by cell-to-cell communication. Lawrence TS, et al. *Nature* 272(5653):501-6, 6 Apr 78  
 Prostaglandin 12 stimulation of granulosa cell cyclic AMP production. Goff AK, et al. *Prostaglandins* 15(5):875-9, May 78

#### ULTRASTRUCTURE

Effect of follicular fluid on the surface ultrastructure of rat granulosa cells in vitro. Bernard J, et al. *Biol Reprod* 19(1):133-43, Aug 78  
 Localisation of the major high-molecular-weight protein on microtubules in vitro and in cultured cells. Sheterline P. *Exp Cell Res* 115(2):460-4, Sep 78

### LUTEIN CELLS

#### ENZYMOLOGY

The corpus luteum of the guinea pig. II. Cytochemical studies on the Golgi complex, GERL, and lysosomes in luteal cells during maximal progesterone secretion. Paavola LG. *J Cell Biol* 79(1):45-58, Oct 78

#### ULTRASTRUCTURE

The corpus luteum of the guinea pig. III. Cytochemical studies on the Golgi complex and GERL during normal postpartum regression of luteal cells, emphasizing the origin of lysosomes and autophagic vacuoles. Paavola LG. *J Cell Biol* 79(1):59-73, Oct 78  
 The corpus luteum of the guinea pig. II. Cytochemical studies on the Golgi complex, GERL, and lysosomes in luteal cells during maximal progesterone secretion. Paavola LG. *J Cell Biol* 79(1):45-58, Oct 78

### OVARY

High molecular weight forms of relaxin in pregnant sow ovaries. Kwok SC, et al. *Biochem Biophys Res Commun* 82(3):997-1005, 14 Jun 78  
 A vaginal approach to preservation of ovarian function in pelvic node radiation. Kent SW, et al. *J Maine Med Assoc* 69(9):251, 260, Sep 78  
 Patient dosage in computed tomography. McCullough EC, et al. *Radiology* 129(2):457-63, Nov 78

#### ABNORMALITIES

[Dynamics of the malformation process in Mayer-Rokitansky-Küster-Hauser syndrome] Markovski N, et al. *Akush Ginekol (Sofia)* 17(4):266-9, 1978 (Eng. Abstr.) (Bul)

#### ANALYSIS

Effect of starvation & hypophysectomy on amino acid levels of ovaries of *Triturus pyrrhogaster* laur. Dutt NH, et al. *Indian J Exp Biol* 16(6):718-20, Jun 78  
 [Age-dependent DNA-content of brain, testis and ovary in men and rats (author's transl)] Ayisi K, et al. *Aktuel Gerontol* 8(8):427-39, Aug 78 (Eng. Abstr.) (Ger)

#### ANATOMY & HISTOLOGY

Age difference in the response to synthetic luteinizing hormone-releasing hormone (LHRH) in androgenized rats with special reference to the dose of testosterone propionate for androgenization. Fujii T, et al. *Endocrinol Jpn* 25(3):281-7, Jun 78  
 Circadian variations of ovarian ascorbic acid depletion in response to luteinizing hormone in the rat. Grizard G, et al. *Int J Chronobiol* 5(4):533-44, 1978  
 [Age-dependent DNA-content of brain, testis and ovary in men and rats (author's transl)] Ayisi K, et al. *Aktuel Gerontol* 8(8):427-39, Aug 78 (Eng. Abstr.) (Ger)

#### BLOOD SUPPLY

Conjugated and unconjugated estrogens in fetal and maternal fluids of the pregnant ewe: a possible role for estrone sulfate during early pregnancy. Carnegie JA, et al. *Biol Reprod* 19(1):202-11, Aug 78  
 Urologic surgery during pregnancy. Meares EM Jr. *Clin Obstet Gynecol* 21(3):907-20, Sep 78  
 Peripheral and ovarian vein plasma levels of 20alpha-dihydroprogesterone in women with normal menstrual cycles. Lucisano A, et al. *J Steroid Biochem* 9(7):643-8, Jul 78  
 [Right-ovarian-vein syndrome in angiographically inconspicuous ovarian vein?] Erbe W, et al. *ROEFO* 129(2):277-8, Aug 78 (Ger)

#### CYTOLOGY

Sperm transport in the reproductive tract of the female rabbit. I. The rapid transit phase of transport. Overstreet JW, et al. *Biol Reprod* 19(1):101-14, Aug 78

## DRUG EFFECTS

- Influence of oral contraceptives on immediate postabortal pituitary-ovarian function. Lähtenmäki P. *Acta Obstet Gynecol Scand Suppl* 76:1-43, 1978
- Role of gangliosides in gonadotropin and cholera enterotoxin stimulated steroidogenesis in isolated rat ovarian cells. Azhar S, et al. *Biochem Biophys Res Commun* 83(2):493-500, 28 Jul 78
- Therapeutic use of luteinizing hormone-releasing hormone in the human female. Nillius SJ. *Curr Top Mol Endocrinol* 3:93-112, 1976
- Clinical methods for the assessment of the sensitivity of the adenopituitary and ovary. Horský J, et al. *Czech Med* 1(3):153-5, 1978
- Age difference in the response to synthetic luteinizing hormone-releasing hormone (LHRH) in androgenized rats with special reference to the dose of testosterone propionate for androgenization. Fujii T, et al. *Endocrinol Jpn* 25(3):281-7, Jun 78
- The adrenal cortex and the luteotrophic action of estrogens during the estrous cycle in the rat. Hassani M, et al. *Endokrinologie* 72(1):43-50, Apr 78
- Influence of 3-methylether of ethinylestradiol (Mestranol) on oviductal egg transport in rats. Oettel M, et al. *Endokrinologie* 71(3):266-76, Mar 78
- Effect of insecticidal pollution on ovarian recrudescence in the fresh water teleost *Channa punctatus* (Bl.). Saxena PK, et al. *Indian J Exp Biol* 16(6):689-91, Jun 78
- Bovine ovarian and pituitary responses to PMS and GnRH administered during metestrus. Ford SP, et al. *J Anim Sci* 46(6):1701-6, Jun 78
- Effect of luteinizing hormone of the lipid composition of rat ovaries. Schuler LA, et al. *J Endocrinol* 78(2):233-8, Aug 78
- Progesterone metabolism in vitro by ovaries from androgen-sterilized rats of different ages. Tomoyama J, et al. *J Steroid Biochem* 9(7):695-6, Jul 78
- Effects of indomethacin on uterine capillary permeability and blastocyst development in rabbits. Hoffman LH, et al. *Prostaglandins* 15(5):823-8, May 78
- Effect of prostaglandin F<sub>2</sub>alpha on ovarian and pituitary function in the mid-luteal phase. Kajanoja P, et al. *Prostaglandins* 16(2):327-32, Aug 78
- [Ovarian changes following GRH application in cows with normal ovarian function] Berchtold M, et al. *Schweiz Arch Tierheilkd* 120(8):377-82, Aug 78 (Eng. Abstr.) (Ger)
- [Effect of central m- and n-cholinergic agents on ovarian compensatory hypertrophy in rats] Anisimov VN. *Probl Endokrinol (Mosk)* 24(5):85-7, Sep-Oct 78 (Eng. Abstr.) (Rus)

## EMBRYOLOGY

- Kinetics of gametogenesis. II. Comparative autoradiographic studies of oögonia and multiplying prospermatogonia of the Wistar rat. Hilscher B, et al. *Cell Tissue Res* 190(1):61-8, 26 Jun 78
- Patterns of RNA synthesis in early meiotic prophase oocytes from fetal mouse ovaries. Bakken AH, et al. *Chromosoma* 67(1):21-40, 23 Jun 78
- Patterns of lactate dehydrogenase isoenzymes during gonadogenesis in the rat. Sarkar S, et al. *J Reprod Fertil* 53(2):285-8, Jul 78
- Effect of maternal alcohol exposure on fetal ovarian lactate dehydrogenase. Prasad R, et al. *Obstet Gynecol* 52(3):318-20, Sep 78
- Genetically determined sex-reversal in 46,XY humans. German J, et al. *Science* 202(4363):53-6, 6 Oct 78

## ENZYMOLGY

- Ligandin in steroidogenically active cells of rat gonads. Bannikov GA, et al. *Br J Cancer* 38(2):350-4, Aug 78
- Patterns of lactate dehydrogenase isoenzymes during gonadogenesis in the rat. Sarkar S, et al. *J Reprod Fertil* 53(2):285-8, Jul 78
- Inhibition of cholesterol esterases by delta 1-tetrahydrocannabinol. Burstein S, et al. *Life Sci* 23(9):979-81, 4 Sep 78
- Effect of maternal alcohol exposure on fetal ovarian lactate dehydrogenase. Prasad R, et al. *Obstet Gynecol* 52(3):318-20, Sep 78
- Prostaglandin F<sub>2</sub>alpha prostaglandin E<sub>2</sub>, progesterone, 20alpha-dihydroprogesterone and ovarian 20alpha hydroxysteroid dehydrogenase activity in preparturient pelvic neurectomized rats. Louis TM, et al. *Proc Soc Exp Biol Med* 158(4):631-6, Sep 78

## GROWTH &amp; DEVELOPMENT

- Progesterone metabolism in vitro by ovaries from androgen-sterilized rats of different ages. Tomoyama J, et al. *J Steroid Biochem* 9(7):695-6, Jul 78

## IMMUNOLOGY

- The present and future of immunologic approaches to contraception. Talwar GP. *Int J Gynaecol Obstet* 15(5):410-4, 1978

## INJURIES

- [Ovarian hemorrhage immediately following cholecystectomy] Kanadys W, et al. *Wiad Lek* 31(16):1179-80, 15 Aug 78 (Eng. Abstr.) (Pol)

## METABOLISM

- Production and origin of estrogen in two true hermaphrodites. Aiman J, et al. *Am J Obstet Gynecol* 132(4):401-9, 15 Oct 78
- A procedure for examining the formation of radioactive 1-methyladenine by starfish ovarian tissue. Borys HK. *Anal Biochem* 88(1):245-55, 15 Jul 78
- Histochemical observations on the guinea pig ovary during pregnancy and lactation. Guraya SS. *Arch Ital Anat Embriol* 82(3):193-232, Jul-Sep 77
- Role of gangliosides in gonadotropin and cholera enterotoxin stimulated steroidogenesis in isolated rat ovarian cells. Azhar S, et al. *Biochem Biophys Res Commun* 83(2):493-500, 28 Jul 78
- Cholesteryl ester depletion from the ovaries of superovulated female rats fed a normal or essential fatty acid deficient diet. Young AK, et al. *Can J Physiol Pharmacol* 56(4):585-90, Aug 78
- Follicular plasminogen and plasminogen activator and the effect of plasmin on ovarian follicle wall. Beers WH. *Cell* 6(3):379-86, Nov 75
- The annual ovarian cycle of *Chrysemys picta*: correlated changes in plasma steroids and parameters of vitellogenesis. Callard IP, et al. *Gen Comp Endocrinol* 35(3):245-57, Jul 78
- In vivo responses of female snakes (*Natrix fasciata*) and female turtles (*Chrysemys picta*) to ovine gonadotropins (FSH and LH) as measured by plasma progesterone, testosterone, and estradiol levels. Lance V, et al. *Gen Comp Endocrinol* 35(3):295-301, Jul 78
- Biological activity of hybrid combinations of ovine and sea turtle LH subunits. Licht P, et al. *Gen Comp Endocrinol* 35(3):289-94, Jul 78
- Binding studies of H-Y antigen in rat tissues: indications for a gonad-specific receptor. Müller U, et al. *Hum Genet* 43(2):151-7, 31 Aug 78
- Circadian variations of ovarian ascorbic acid depletion in response to luteinizing hormone in the rat. Grizard G, et al. *Int J Chronobiol* 5(4):533-44, 1978
- Annual variations in the total lipid and protein content of the liver, fat body, ovary and plasma of the female frog (*Rana esculenta* L.). Milone M, et al. *J Endocrinol* 78(2):165-9, Aug 78
- Effect of luteinizing hormone of the lipid composition of rat ovaries. Schuler LA, et al. *J Endocrinol* 78(2):233-8, Aug 78
- Properties of the thymidine transport system of Chinese hamster ovary cells as probed by nitrobenzylthioinosine. Wohlhueter RM, et al. *J Membr Biol* 42(3):247-64, 19 Sep 78
- Estrogen-like compounds and progesterone in male and female rats before puberty—II. Effects of administration of ACTH, steroidogenesis inhibitors, dexamethasone and hCG. Audi L, et al. *J Steroid Biochem* 9(7):631-5, Jul 78
- Progesterone metabolism in vitro by ovaries from androgen-sterilized rats of different ages. Tomoyama J, et al. *J Steroid Biochem* 9(7):695-6, Jul 78
- Progesterone, 20alpha-dihydroprogesterone and PGF<sub>2</sub>; interrelated hormonal changes during pseudo-pregnancy in the rat. Hall AK, et al. *Prostaglandins* 15(6):1013-25, Jun 78

## PATHOLOGY

- Oestrogen treatment and subsequent pregnancy in two patients with severe hypergonadotrophic ovarian failure. Starup J, et al. *Acta Endocrinol (Copenh)* 89(1):149-57, Sep 78
- Uterine prolapse in pregnancy caused by a very large mucinous cyst. Kamyab SD, et al. *Acta Med Iran* 19(4):245-54, 1976
- Ovarian biopsy in the evaluation of amenorrhea. Karam K,



- et al. *Acta Obstet Gynecol Scand* 57(4):361-11, 1978
- Ovarian follicular apparatus and hormonal parameters in patients with primary and secondary amenorrhea. Nakano R, et al. *Acta Obstet Gynecol Scand* 57(4):293-300, 1978
- Follicular development in ovaries of children with Down's syndrome. Højager B, et al. *Acta Paediatr Scand* 67(5):637-43, Sep 78
- Morphological study of the ovaries of leukaemic children. Himelstein-Braw R, et al. *Br J Cancer* 38(1):82-7, Jul 78
- Lesions of the female genital tract in leukemia and lymphoma. Bedivan M, et al. *Morphol Embryol (Bucur)* 24(3):221-4, Jul-Sep 78
- [Dynamics of the malformation process in Mayer-Rokitansky-Küster-Hauser syndrome] Markovski N, et al. *Akush Ginekol (Sofia)* 17(4):266-9, 1978 (Eng. Abstr.) (Bul)
- [Histomorphological and histogenetic study of masculinizing mesenchymomas of the ovary] Boscaino N, et al. *Arch De Vecchi Anat Patol* 135(3):359-68, Jul-Sep 78 (Ita)
- [Diagnostic and therapeutic importance of celioscopic ovarian biopsy in female sterility] Scarpa F, et al. *Minerva Ginecol* 30(9):739-48, Sep 78 (Eng. Abstr.) (Ita)

## PHYSIOLOGY

- Effects of human chorionic gonadotrophin on the release of cyclic AMP and progesterone from the sheep ovary at different stages of the oestrous cycle. Weiss TJ, et al. *Acta Endocrinol (Copenh)* 89(1):158-65, Sep 78
- Studies on the proteins of *Poecilocus pictus*. II—changes taking place in the haemolymph protein during maturation of female. Gupta US. *Biochem Exp Biol* 13(2):159-66, 1977
- Seasonal effects of pinealectomy on gonadal activity in the goldfish, *Carassius auratus*. De Vlaming V, et al. *Biol Reprod* 19(1):57-63, Aug 78
- Prolactin and the development and progression of early neoplastic mammary gland lesions. Welsh CW. *Cancer Res* 38(11 Pt 2):4054-8, Nov 78
- Ovarian plasminogen activator: relationship to ovulation and hormonal regulation. Beers WH, et al. *Cell* 6(3):387-94, Nov 75
- Relation of the hypothalamo-pituitary-gonadal system to decline of reproductive functions in aging female rats. Meites J, et al. *Curr Top Mol Endocrinol* 3:3-20, 1976 (29 ref.)
- Clinical methods for the assessment of the sensitivity of the adenohypophysis and ovary. Horský J, et al. *Czech Med* 1(3):153-5, 1978
- Influence of 3-methylether of ethinylestradiol (Mestranol) on oviductal egg transport in rats. Oettel M, et al. *Endokrinologie* 71(3):266-76, Mar 78
- Pituitary-ovarian relationships during the post-reproductive phase of inbred mice. Gosden RG, et al. *Exp Gerontol* 13(3-4):159-66, 1978
- Environmental control of annual ovarian cycle in the toad *Bufo bufo* L.: role of temperature. pp. 28-36. Jørgensen CB, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Environmental regulation of annual reproductive cycles in the catfish *Heteropneustes fossilis*. pp. 26-7. Sundararaj BI.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Transitory changes of hormones in plasma of postpartum dairy cows. Goodale WS, et al. *J Dairy Sci* 61(6):740-6, Jun 78
- Effects of age and ovarian function on the pituitary-thyroid system in female rats. Chen HJ, et al. *J Endocrinol* 78(2):225-32, Aug 78
- Peripheral and ovarian vein plasma levels of 20alpha-dihydroprogesterone in women with normal menstrual cycles. Lucisano A, et al. *J Steroid Biochem* 9(7):643-8, Jul 78
- Kinetic parameters of calcium metabolism and femur morphometry in rats. II. Influence of ovariectomy and dietary calcium. Blauša M, et al. *Pflügers Arch* 375(3):239-44, Aug 78
- Drosophila* egg chambers develop to mature eggs when cultured in vivo. Srdic Z, et al. *Science* 202(4368):641-3, 10 Nov 78
- Stimulation by estradiol benzoate of hepatic beta-hydroxy-beta-methylglutaryl coenzyme A reductase in normal and ovariectomized rats. Abul-Hajj YJ. *Steroids* 31(6):841-7, Jun 78
- [Quantitative morphological studies on the variability of the epithelial height of the human Fallopian tube mucosa] Schultka R, et al. *Gegenhauers Morphol Jahrb* 124(3):420-33, 1978 (Eng. Abstr.) (Ger)
- [State of the hypothalamo-hypophyseal-ovarian system in

- women after physiological labor] Miasnikova GP, et al. *Akush Ginekol (Mosk)* (8):17-20, Aug 78 (Eng. Abstr.) (Rus)
- [Interrelationship between the biological rhythm of the ovaries and adrenocortical function] Svehnikova NV, et al. *Pediatr Akush Ginekol* (4):50-1, Jul-Aug 78 (Ukr)

## PHYSIOPATHOLOGY

- Limited significance of the LRH test in the diagnosis of ovarian dysfunction. Böhm P, et al. *Acta Endocrinol (Copenh)* 89(3):438-44, Nov 78
- Ovarian follicular apparatus and hormonal parameters in patients with primary and secondary amenorrhea. Nakano R, et al. *Acta Obstet Gynecol Scand* 57(4):293-300, 1978
- Neuroendocrine aspects of reproduction in experimental malnutrition. pp. 306-12. Srebnik HH, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (27 ref.)
- Hormonal response to stress in the squirrel monkey (*Saimiri sciureus*). Coe CL, et al. *Neuroendocrinology* 26(6):367-77, 1978

## RADIATION EFFECTS

- Patient exposures and radiation risks in Swedish diagnostic radiology. Bengtsson G, et al. *Acta Radiol Oncol Radiat Phys Biol* 17(2):81-105, 1978
- Prophylactic versus therapeutic castration in the total treatment of breast cancer. Lewison EF. *Int J Radiat Oncol Biol Phys* 4(5-6):477-80, May-Jun 78
- High marks for hyperthyroid therapies [news] Check W. *JAMA* 240(17):1832-3, 20 Oct 78
- [Effects of small doses of gamma rays on gestation in mice] Templier J, et al. *C R Soc Biol (Paris)* 172(1):177-80, 1978 (Eng. Abstr.) (Fre)

## SECRETION

- Absence of inhibition by hyperprolactinaemia on ovarian response to exogenous gonadotrophin. Aono T, et al. *Acta Endocrinol (Copenh)* 89(1):142-8, Sep 78
- Pituitary and ovarian hormonal response to 48 h gonadotrophin releasing hormone (GnRH) infusions in female Rhesus monkeys. Ferin M, et al. *Acta Endocrinol (Copenh)* 89(1) Sep 78
- Effects of human chorionic gonadotrophin on the release of cyclic AMP and progesterone from the sheep ovary at different stages of the oestrous cycle. Weiss TJ, et al. *Acta Endocrinol (Copenh)* 89(1):158-65, Sep 78
- Influence of oral contraceptives on immediate postabortal pituitary-ovarian function. Lähtenmäki P. *Acta Obstet Gynecol Scand Suppl* 76:1-43, 1978
- The adrenal cortex and the luteotrophic action of estrogens during the estrous cycle in the rat. Hassani M, et al. *Endokrinologie* 72(1):43-50, Apr 78
- Role of pineal gland in aetiology and treatment of breast cancer. Cohen M, et al. *Lancet* 2(8094):814-6, 14 Oct 78

## TRANSPLANTATION

- Tumours of the ovary. Carter RL, et al. *IARC Sci Publ* (6):189-200, 1976 (40 ref.)
- Successful canine adrenal autotransplantation. Prinz RA, et al. *J Surg Res* 25(3):217-21, Sep 78
- Drosophila* egg chambers develop to mature eggs when cultured in vivo. Srdic Z, et al. *Science* 202(4368):641-3, 10 Nov 78

## THECA CELLS

## METABOLISM

- Maturational changes in sheep ovarian follicles: gonadotrophic stimulation of cyclic AMP production by isolated theca and granulosa cells. Weiss TJ, et al. *Acta Endocrinol (Copenh)* 89(1):166-72, Sep 78

# GONADS

## Testis

### LEYDIG CELLS

#### DRUG EFFECTS

- Oestrogen induced Leydig cell refractoriness to gonadotrophin stimulation. Saez JM, et al. *Acta Endocrinol (Copenh)* 89(2):379-92, Oct 78
- Is there a local feedback from the seminiferous tubules affecting activity of the Leydig cells? Aoki A, et al. *Biol Reprod* 19(1):144-58, Aug 78
- A study of the capacity for regeneration of rat and human Leydig cells. Senge T, et al. *Urol Res* 6(3):167-71, 1 Sep 78

#### ENZYMOLGY

- Early deviations of testicular Leydig cells in the naturally unilateral cryptorchid pig. van Straaten HW, et al. *Biol Reprod* 19(1):1-6, Aug 78

#### METABOLISM

- In vitro and in vivo studies on Leydig cell function in old rats. Pirke KM, et al. *Acta Endocrinol (Copenh)* 89(2):393-403, Oct 78
- Oestrogen induced Leydig cell refractoriness to gonadotrophin stimulation. Saez JM, et al. *Acta Endocrinol (Copenh)* 89(2):379-92, Oct 78
- The influence of scrotal warming on testicular blood flow and endocrine function in the rat. Damber JE, et al. *Acta Physiol Scand* 104(1):61-7, Sep 78
- [Testosterone, its biosynthesis, transport and metabolism] Panaïotov D. *Vutr Boles* 17(4):15-21, 1978 (38 ref.) (Bul)

#### PATHOLOGY

- Early deviations of testicular Leydig cells in the naturally unilateral cryptorchid pig. van Straaten HW, et al. *Biol Reprod* 19(1):171-6, Aug 78
- Structure of normal testis and testicular tumors in cyprinids from Lake Ontario. Leatherland JF, et al. *Cancer Res* 38(10):3164-73, Oct 78
- Postpubertal untreated cryptorchidism. Anatomical relationship between Leydig cells and tubular sclerosis. Honoré LH. *Urol Int* 33(4):245-51, 1978

#### PHYSIOLOGY

- In vitro and in vivo studies on Leydig cell function in old rats. Pirke KM, et al. *Acta Endocrinol (Copenh)* 89(2):393-403, Oct 78
- Oestrogen induced Leydig cell refractoriness to gonadotrophin stimulation. Saez JM, et al. *Acta Endocrinol (Copenh)* 89(2):379-92, Oct 78
- Is there a local feedback from the seminiferous tubules affecting activity of the Leydig cells? Aoki A, et al. *Biol Reprod* 19(1):144-58, Aug 78
- A study of the capacity for regeneration of rat and human Leydig cells. Senge T, et al. *Urol Res* 6(3):167-71, 1 Sep 78

#### PHYSIOPATHOLOGY

- Leydig cell function in oligospermic men with varicocele. Weiss DB, et al. *J Urol* 120(4):427-30, Oct 78

#### ULTRASTRUCTURE

- Is there a local feedback from the seminiferous tubules affecting activity of the Leydig cells? Aoki A, et al. *Biol Reprod* 19(1):144-58, Aug 78
- The influence of activation, removal or denervation of the pineal on the fine structure of the Leydig cell and seminal vesicle epithelium in golden hamsters. Lin HS, et al. *Cell Tissue Res* 191(3):367-78, 16 Aug 78
- A study of the capacity for regeneration of rat and human Leydig cells. Senge T, et al. *Urol Res* 6(3):167-71, 1 Sep 78

### SERTOLI CELLS

#### DRUG EFFECTS

- Effects of estrogen on human seminiferous tubules: light and electron microscopic analysis. Lu CC, et al. *Am J Anat* 153(1):1-13, Sep 78
- Inhibition of spermiation in the Syrian hamster using dibutyryl cyclic-AMP. Gravis CJ. *Cell Tissue Res* 192(2):241-8, 5 Sep 78
- [Ultrastructure of testicular Sertoli cells in normal and dysgenetic rats, during the fetal and postnatal periods] Bousquet J, et al. *C R Soc Biol (Paris)* 172(1):94-7, 1978 (Eng. Abstr.) (Fre)

#### METABOLISM

- [Testosterone, its biosynthesis, transport and metabolism] Panaïotov D. *Vutr Boles* 17(4):15-21, 1978 (38 ref.) (Bul)

#### PATHOLOGY

- Structure of normal testis and testicular tumors in cyprinids from Lake Ontario. Leatherland JF, et al. *Cancer Res* 38(10):3164-73, Oct 78
- The Sertoli cell index as a measure of testicular degeneration in the bull. Kumi-Diaka J, et al. *Vet Rec* 103(6):112-4, 5 Aug 78

#### ULTRASTRUCTURE

- Effects of estrogen on human seminiferous tubules: light and electron microscopic analysis. Lu CC, et al. *Am J Anat* 153(1):1-13, Sep 78
- Regional differentiation of cell junctions in the excurrent duct epithelium of the rat testis as revealed by freeze-fracture. Suzuki F, et al. *Anat Rec* 191(4):503-19, Aug 78
- Inhibition of spermiation in the Syrian hamster using dibutyryl cyclic-AMP. Gravis CJ. *Cell Tissue Res* 192(2):241-8, 5 Sep 78
- Fine structure of Sertoli cells in the rat testis after hypophysectomy, testosterone treatment and re-involution. Aumüller G, et al. *Cytobiologie* 17(2):453-63, Aug 78
- [Ultrastructure of testicular Sertoli cells in normal and dysgenetic rats, during the fetal and postnatal periods] Bousquet J, et al. *C R Soc Biol (Paris)* 172(1):94-7, 1978 (Eng. Abstr.) (Fre)

### TESTIS

- Nucleotide sequence of salmon testes and salmon liver cytoplasmic initiator tRNA. Gillum AM, et al. *Cell* 6(3):395-405, Nov 75
- Detecting conformational heterogeneity in the DNA backbone by <sup>31</sup>P nuclear magnetic resonance. Yamada A, et al. *FEBS Lett* 93(1):16-8, 1 Sep 78
- [Mechanism of action of gonadotropic hormones. V. Research on gametokinetic activity in the testis of amphibians in vitro: importance of the electrolyte composition of the incubation fluid] Pecora P, et al. *Boll Soc Ital Biol Sper* 54(8):695-700, 30 Apr 78 (Ita)
- [Production of highly purified polyunsaturated fatty acids] Kazanskaia LV, et al. *Farmatsiia* 27(4):35-9, Jul-Aug 78 (Eng. Abstr.) (Rus)

#### ABNORMALITIES

- Congenital cystic adenomatoid malformation of the lung associated with abdominal musculature deficiency (prune belly). Wilson SK, et al. *Pediatrics* 62(3):421-3, Sep 78
- Current concepts of the undescended testis. Shapiro SR, et al. *Surg Gynecol Obstet* 147(4):617-25, Oct 78 (109 ref.)
- [Prune belly syndrome and abnormality of the urogenital system] Yoshida O, et al. *Nippon Rinsho Suppl*:2332-3, May 78 (Jpn)



## ANALYSIS

- The role of the pineal gland in the lipid metabolism. Damian E. *Endocrinologie* 16(3):179-89, Jul-Sep 78
- Nuclear protein transitions during spermatogenesis. Meistrich ML, et al. *Fed Proc* 37(11):2522-5, Sep 78 (24 ref.)
- On the specificity of alcoholic acidic silver nitrate reagent for the histochemical localization of ascorbic acid. A reappraisal. Chinoy NJ, et al. *Histochemistry* 56(3-4):275-82, 12 Jul 78
- Relation of testicular ascorbic acid concentration to testicular development in Desi & White Leghorn poultry. Chand D, et al. *Indian J Exp Biol* 16(6):676-8, Jun 78
- Effects of quinacrine administration on testicular function of the toad *Bufo anderssonii* Boulenger. Dixit VP, et al. *Indian J Exp Biol* 16(7):803-5, Jul 78
- Trace element analysis of rat tissues by neutron activation technique without chemical separation. Mangal PC, et al. *Indian J Exp Biol* 16(6):685-8, Jun 78
- Cadmium toxicity studies under long term-low level exposure (LLE) conditions. I. Metabolic patterns in rats exposed to present environmental dietary levels of Cd for two years. Sabbioni E, et al. *Sci Total Environ* 10(2):131-61, Sep 78
- [Age-dependent DNA-content of brain, testis and ovary in men and rats (author's transl)] Ayisi K, et al. *Aktuel Gerontol* 8(8):427-39, Aug 78 (Eng. Abstr.) (Ger)

## ANATOMY &amp; HISTOLOGY

- Seasonal fluctuations in the testicular asymmetry of birds. Dang HR, et al. *Acta Microbiol Acad Sci Hung* 25(2):1-2, 1978
- A comparison of the antifertility effects of alkylating agents and vinca alkaloids in male rats. Cooke RA, et al. *Br J Pharmacol* 63(4):677-81, Aug 78
- Circadian rhythms of self-selected lighting in golden hamsters: relation to gonadal condition. Warden AW. *Chronobiologia* 5(1):28-38, Jan-Mar 78
- The pattern of lymphatic drainage of the rat testis. Pérez-Clavier R, et al. *J Anat* 127(1):93-100, Sep 78
- Testosterone and 5 $\alpha$ -dihydrotestosterone inhibit both growth and spermatogenesis in the remaining testis in partially castrated adult newts, *Notophthalmus viridescens*. Scadding SR. *J Exp Zool* 205(3):403-12, Sep 78
- Hamster refractoriness: the role of insensitivity of pineal target tissues. Bittman EL. *Science* 202(4368):648-50, 10 Nov 78
- [Age-dependent DNA-content of brain, testis and ovary in men and rats (author's transl)] Ayisi K, et al. *Aktuel Gerontol* 8(8):427-39, Aug 78 (Eng. Abstr.) (Ger)
- [Changes in weight of internal organs of mice exposed to X-rays at different ages] Slowikowska MG, et al. *Rocz Panstw Zakl Hig* 29(3):339-46, 1978 (Eng. Abstr.) (Pol)

## BLOOD SUPPLY

- The influence of scrotal warming on testicular blood flow and endocrine function in the rat. Damber JE, et al. *Acta Physiol Scand* 104(1):61-7, Sep 78
- The protective effect of selenium on cadmium-induced injury to normal and cryptorchid testes in the rat. Niewenhuys RJ, et al. *Biol Reprod* 19(1):1-7, Aug 78
- Operative management of varicocele by high retroperitoneal ligation of the spermatic vein. Frang D, et al. *Int Urol Nephrol* 10(2):131-9, 1978
- [Intraoperative phlebography in varicocele in cases of male sterility] Guermani P, et al. *Minerva Urol* 30(2):97-102, Apr-Jun 78 (Ita)
- [Regional venous circulatory characteristics in varicocele in children] Gorenstein AI, et al. *Klin Khir* (8):85-6, Aug 78 (Rus)
- [Surgical technic of testicular transplantation] Shumakov VI, et al. *Vestn Khir* 127(7):77-81, Jul 78 (Rus)

## CYTOLOGY

- Spermatogonial intercellular bridges in whole-mounted seminiferous tubules from normal and irradiated rodent testes. Huckins C. *Am J Anat* 153(1):97-121, Sep 78
- Histological studies on the regional postnatal differentiation of the epididymis in the ram. Nilnophakoon N. *Anat Histol Embryol* 7(3):253-72, Sep 78
- Regional differentiation of cell junctions in the excurrent duct epithelium of the rat testis as revealed by freeze-fracture. Suzuki F, et al. *Anat Rec* 191(4):503-19, Aug 78
- Monocytes and mast cells in the limiting membrane of human seminiferous tubules. Hermo L, et al. *Biol Reprod* 19(1):92-100, Aug 78
- Structure of normal testis and testicular tumors in cyprinids from Lake Ontario. Leatherland JF, et al. *Cancer Res* 38(10):3164-73, Oct 78

- Analysis of the progression of meiosis in dispersed rat testicular cells by flow cytofluorometry. Libbus BL, et al. *Cell Tissue Kinet* 11(4):377-91, Jul 78
- Fine structure of Sertoli cells in the rat testis after hypophysectomy, testosterone treatment and re-involution. Aumüller G, et al. *Cytobiologie* 17(2):453-63, Aug 78
- Uncoupling of gonial and spermatocyte stages by means of conditional lethal mutations in *Drosophila melanogaster*. Lifschytz E. *Dev Biol* 66(2):571-8, Oct 78
- Effect of follicle stimulating hormone on the testes of *Puntius ticto* (Ham.). Kapoor CP. *Endocrinologie* 72(1):17-24, Apr 78
- Chiasma counts and non-disjunction frequencies in a normal ram and in rams carrying the Massey 1 (t1) Robertsonian translocation. Long SE. *J Reprod Fertil* 53(2):353-6, Jul 78
- Identification of the spermatogenic stages in living seminiferous tubules of man. Nikkanen V, et al. *J Reprod Fertil* 53(2):255-7, Jul 78
- Histological studies on the kinetics of the spermatogenesis in the mink (*Mustela vison*). VII. Cellular association in the seminiferous epithelium in the pre-breeding season (16 months old). Deguchi E. *Jpn J Vet Res* 26(1-2):1-10, Apr 78
- [Two-beam scanning cytophotometer] Selivanova GV. *Tsitologija* 20(2):283-42, Feb 78 (Eng. Abstr.) (Rus)

## DRUG EFFECTS

- On the relative biological and immunoreactive potencies of luteinizing hormone in the oestradiol benzoate-treated male rat. Grotjan HE Jr, et al. *Acta Endocrinol (Copenh)* 89(3):538-50, Nov 78
- Sterilization of a non-scrotal mammal (*Suncus murinus* L.) by intratesticular injection of cadmium chloride. Singh SK, et al. *Acta Eur Fertil* 9(1):65-70, Mar 78
- Testicular damage due to cytotoxic drugs and recovery after cessation of therapy. Roeser HP, et al. *Aust NZ J Med* 8(3):250-4, Jun 78
- Inhibitory effects of melatonin, prostaglandin E1, cyclic AMP, dibutyrylcyclic AMP and theophylline on rat seminiferous tubular contractility in vitro. Ellis LC, et al. *Biol Reprod* 19(1):217-22, Aug 78
- A comparison of the antifertility effects of alkylating agents and vinca alkaloids in male rats. Cooke RA, et al. *Br J Pharmacol* 63(4):677-81, Aug 78
- Reproductive success of hens and cockerels originating from eggs sprayed with 2,4-D, 2,4,5-T and picloram followed by early performance of their progeny after a comparable in ovo exposure. Somers JD, et al. *Bull Environ Contam Toxicol* 20(1):111-9, Jul 78
- Fertility regulation in the male. de Kretser DM. *Bull WHO* 56(3):353-60, 1978
- Effect of follicle stimulating hormone on the testes of *Puntius ticto* (Ham.). Kapoor CP. *Endocrinologie* 72(1):17-24, Apr 78
- Activity of phospholipases A and some lysosomal enzymes in rat testes at different stages of hypervitaminosis A. Chandhary LR, et al. *Experientia* 34(8):991-2, 15 Aug 78
- Effects of quinacrine administration on testicular function of the toad *Bufo anderssonii* Boulenger. Dixit VP, et al. *Indian J Exp Biol* 16(7):803-5, Jul 78
- Failure of methadone-treated human testes to respond to the stimulatory effect of human chorionic gonadotrophin on testosterone biosynthesis in vitro. Purohit V, et al. *J Endocrinol* 78(2):299-300, Aug 78
- Testosterone and 5 $\alpha$ -dihydrotestosterone inhibit both growth and spermatogenesis in the remaining testis in partially castrated adult newts, *Notophthalmus viridescens*. Scadding SR. *J Exp Zool* 205(3):403-12, Sep 78
- Role of serotonin in feedback control of hypothalamic-pituitary-testicular complex in male rats. Naumenko EV, et al. *Neuroendocrinology* 26(6):359-66, 1978
- Direct and pituitary-mediated effects of delta<sup>9</sup>-THC and cannabinalol on the testis. Dalterio S, et al. *Pharmacol Biochem Behav* 8(6):673-8, Jun 78
- Effects of *Momordica charantia* L. fruit extract on the testicular function of dog. Dixit VP, et al. *Planta Med* 34(3):280-6, Nov 78
- Evidence for induction of germinal aplasia in male rats by environmental exposure to boron. Lee IP, et al. *Toxicol Appl Pharmacol* 45(2):577-90, Aug 78
- [Nitrogen protoxide: effects on spermatogenesis in the rat] Gremigni D, et al. *Boll Soc Ital Biol Sper* 54(8):755-8, 30 Apr 78 (Ita)
- [Mechanism of action of gonadotropic hormones. V. Research on gametokinetic activity in the testis of amphibians in vitro: importance of the electrolyte composition of the incubation fluid] Pecora P, et al. *Boll Soc Ital Biol Sper* 54(8):695-700, 30 Apr 78 (Ita)



## TESTIS

[Obtaining iodinated luteinizing hormone while preserving its biological properties] Dobracheva AD, et al.  
*Probl Endokrinol (Mosk)* 24(5):44-8, Sep-Oct 78 (Eng. Abstr.) (Rus)

## EMBRYOLOGY

Kinetics of gametogenesis. II. Comparative autoradiographic studies of oögonia and multiplying prospermatogonia of the Wistar rat. Hilscher B, et al. *Cell Tissue Res* 190(1):61-8, 26 Jun 78  
 Changes in serum testosterone concentrations in the male pig during development. Colenbrander B, et al.  
*J Reprod Fertil* 53(2):377-80, Jul 78  
 Patterns of lactate dehydrogenase isoenzymes during gonadogenesis in the rat. Sarkar S, et al.  
*J Reprod Fertil* 53(2):285-8, Jul 78  
 Microscopic epididymides in testicular feminisation. Blecher SR. *Nature* 275(5682):748-9, 26 Oct 78  
 Effect of maternal alcohol exposure on fetal ovarian lactate dehydrogenase. Prasad R, et al. *Obstet Gynecol* 52(3):318-20, Sep 78  
 Genetically determined sex-reversal in 46,XY humans. German J, et al. *Science* 202(4363):53-6, 6 Oct 78  
 Current concepts of the undescended testis. Shapiro SR, et al. *Surg Gynecol Obstet* 147(4):617-25, Oct 78 (109 ref.)

## ENZYMOLGY

Stimulation by hematin of monooxygenase activity in extra-hepatic tissues from rats, rabbits and chickens. Omiecinski CJ, et al. *Biochem Biophys Res Commun* 83(3):1004-11, 14 Aug 78  
 Age-dependent changes in the activities of ATPase and some pyridine nucleotide-linked enzymes in the chick testis. Ikegawonu FI, et al. *Biochem Exp Biol* 13(2):173-8, 1977  
 Ligandin in steroidogenically active cells of rat gonads. Bannikov GA, et al. *Br J Cancer* 38(2):350-4, Aug 78  
 Epoxide metabolizing enzyme activities in rat testes: postnatal development and relative activity in interstitial and spermatogenic cell compartments. Mukhtar H, et al.  
*Chem Biol Interact* 22(2-3):153-65, Sep 78  
 Activity of phospholipases A and some lysosomal enzymes in rat testes at different stages of hypervitaminosis A. Chandhary LR, et al. *Experientia* 34(8):991-2, 15 Aug 78  
 Studies on the optimisation and standardisation of the light microscopical succinate dehydrogenase histochemistry. Kugler P, et al. *Histochemistry* 57(1):47-60, 15 Aug 78  
 Developmental changes of arylamidase activities in the rat testis & epididymis. Nag S, et al. *Indian J Exp Biol* 16(6):642-4, Jun 78  
 Effects of epinephrine, indomethacin, acetylsalicylic acid, dexamethasone, and cyclic AMP on the in vitro activity of lysosomal hyaluronidase from the rabbit iris. Hayasaka S, et al. *Invest Ophthalmol Vis Sci* 17(11):1109-13, Nov 78  
 Patterns of lactate dehydrogenase isoenzymes during gonadogenesis in the rat. Sarkar S, et al.  
*J Reprod Fertil* 53(2):285-8, Jul 78  
 Effect of maternal alcohol exposure on fetal ovarian lactate dehydrogenase. Prasad R, et al. *Obstet Gynecol* 52(3):318-20, Sep 78  
 The effect of the administration of spironolactone on the concentration of plasma testosterone, estradiol and cortisol in male dogs (1). Menard RH, et al. *Steroids* 31(6):771-82, Jun 78

## GROWTH & DEVELOPMENT

Photoperiodic mechanism in hamsters: the participation of the pineal gland. pp. 94-102. Hoffmann K.  
 In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (39 ref.)  
 Relation of testicular ascorbic acid concentration to testicular development in Desi & White Leghorn poultry. Chand D, et al. *Indian J Exp Biol* 16(6):676-8, Jun 78  
 Developmental changes of arylamidase activities in the rat testis & epididymis. Nag S, et al. *Indian J Exp Biol* 16(6):642-4, Jun 78  
 Rate of testicular maturation, in relation to gonadotrophin and testosterone levels, in quail exposed to various artificial photoperiods and to natural daylengths. Follett BK, et al. *J Endocrinol* 78(2):267-80, Aug 78  
 Testosterone and  $\alpha$ -dihydrotestosterone inhibit both growth and spermatogenesis in the remaining testis in partially castrated adult newts, *Notophthalmus viridescens*. Scadding SR. *J Exp Zool* 205(3):403-12, Sep 78  
 Changes in serum testosterone concentrations in the male pig during development. Colenbrander B, et al.  
*J Reprod Fertil* 53(2):377-80, Jul 78

## GONADS

Anthropometric studies on Singapore children. III: Pubertal studies on Singapore children. Wong HB, et al.  
*J Singapore Paediatr Soc* 19(4):217-32, Dec 77  
 Hamster refractoriness: the role of insensitivity of pineal target tissues. Bittman EL. *Science* 202(4368):648-50, 10 Nov 78  
 Evidence for induction of germinal aplasia in male rats by environmental exposure to boron. Lee IP, et al.  
*Toxicol Appl Pharmacol* 45(2):577-90, Aug 78  
 [Various aspects of the dynamics of pubertal development] Barghini G. *Minerva Pediatr* 30(20):1567-9, 30 Oct 78 (Eng. Abstr.) (Ita)

## IMMUNOLOGY

Monoclonal antibodies as probes for differentiation and tumor-associated antigens: a Forssman specificity on teratocarcinoma stem cells. Stern PL, et al. *Cell* 14(4):775-83, Aug 78  
 In vitro induction of experimental autoimmune orchitis: characterization of a primary T lymphocyte response against testicular self antigens. Wekerle H, et al. *Eur J Immunol* 8(5):294-302, May 78

## INJURIES

[Emergency diseases of male genital organs] Schulman CC. *Brux Med* 58(9):457-8, Sep 78 (Fre)  
 [Case report on acute scrotum] Delsen J. *Helv Chir Acta* 45(3):373-4, Jul 78 (Eng. Abstr.) (Ger)  
 [Traumatic rupture of the testicle] Polo G, et al.  
*Actas Urol Esp* 2(4):189-92, Jul-Aug 78 (Eng. Abstr.) (Spa)

## INNERVATION

Effect of sacral cordotomy on the reproductive organs of the male guinea pig. Hill RT, et al. *Biol Reprod* 19(1):64-8, Aug 78

## METABOLISM

In vitro and in vivo studies on Leydig cell function in old rats. Pirke KM, et al. *Acta Endocrinol (Copenh)* 89(2):393-403, Oct 78  
 Oestrogen induced Leydig cell refractoriness to gonadotrophin stimulation. Saez JM, et al.  
*Acta Endocrinol (Copenh)* 89(2):379-92, Oct 78  
 Production and origin of estrogen in two true hermaphrodites. Aiman J, et al. *Am J Obstet Gynecol* 132(4):401-9, 15 Oct 78  
 Age-related changes in protein, RNA and DNA content and protein synthesis in rat testes. Liu DS, et al.  
*Exp Gerontol* 13(3-4):197-205, 1978  
 Glycogen and phosphorylase in Klinefelter's syndrome: a histochemical study. Re M, et al. *Experientia* 34(8):1081-2, 15 Aug 78  
 The effects of vertebrate gonadotrophins on androgen release in vitro from testicular cells of Japanese quail and a comparison with their radioimmunoassay activities. Jenkins N, et al. *Gen Comp Endocrinol* 35(3):309-21, Jul 78  
 Androgen biosynthesis in vitro by testes from amphibia. Kime DE, et al. *Gen Comp Endocrinol* 35(3):280-8, Jul 78  
 Biological activity of hybrid combinations of ovine and sea turtle LH subunits. Licht P, et al. *Gen Comp Endocrinol* 35(3):289-94, Jul 78  
 Binding studies of H-Y antigen in rat tissues: indications for a gonad-specific receptor. Müller U, et al. *Hum Genet* 43(2):151-7, 31 Aug 78  
 Ca<sup>2+</sup>-dependent regulator. Production and characterization of a monospecific antibody. Dedman JR, et al.  
*J Biol Chem* 253(20):7515-21, 25 Oct 78  
 Tissue guanosine-3',5'-cyclic monophosphate levels and soluble guanylate cyclase activity: a positive correlation during unilateral cryptorchidism in the rat testis. Spruill WA, et al. *J Clin Invest* 62(3):568-76, Sep 78  
 Inhibin from cultures of rat seminiferous tubules. Eddie LW, et al. *J Endocrinol* 78(2):217-24, Aug 78  
 Failure of methadone-treated human testes to respond to the stimulatory effect of human chorionic gonadotrophin on testosterone biosynthesis in vitro. Purohit V, et al.  
*J Endocrinol* 78(2):299-300, Aug 78  
 Binding of 125I-labelled FSH in the mouse testis in vitro. Davies AG, et al. *J Reprod Fertil* 53(2):249-54, Jul 78  
 Estrogen-like compounds and progesterone in male and female rats before puberty—II. Effects of administration of ACTH, steroidogenesis inhibitors, dexamethasone and hCG. Audi L, et al. *J Steroid Biochem* 9(7):631-5, Jul 78  
 Estrophilic molecules in the male guinea pig. Blume CD, et al. *J Steroid Biochem* 9(6):515-25, Jun 78  
 Direct and pituitary-mediated effects of delta<sup>9</sup>-THC and



- cannabinol on the testis. Dalterio S, et al.  
*Pharmacol Biochem Behav* 8(6):673-8, Jun 78  
 [Testosterone, its biosynthesis, transport and metabolism]  
 Panaiotov D. *Vutr Boles* 17(4):15-21, 1978 (38 ref.) (Bul)  
 [Two-beam scanning cytophotometer] Selivanova GV.  
*Tsitologiya* 20(2):283-42, Feb 78 (Eng. Abstr.) (Rus)

## MICROBIOLOGY

- Identification of *Rickettsia rickettsii* in formalin-fixed, paraffin-embedded tissues by immunofluorescence. Hall WC, et al. *J Clin Microbiol* 8(2):242-5, Aug 78  
 Abortion in mice associated with *Pasteurella pneumotropica*. Ward GE, et al. *J Clin Microbiol* 8(2):177-80, Aug 78  
 Brucellosis in elk. II. Clinical effects and means of transmission as determined through artificial infections. Thorne ET, et al. *J Wildl Dis* 14(3):280-91, Jul 78  
 [Influence of different components of stored blood on the infectivity of *Treponema pallidum* (Nichols Strain) (author's transl)] Müller F, et al. *Immun Infekt* 6(5):199-202, Oct 78 (Eng. Abstr.) (Ger)

## PATHOLOGY

- Sterilization of a non-scrotal mammal (*Suncus murinus* L.) by intratesticular injection of cadmium chloride. Singh SK, et al. *Acta Eur Fertil* 9(1):65-70, Mar 78  
 Influence of enteric infection on zinc utilization and clinical signs and lesions of zinc deficiency in young swine. Whitenack DL, et al. *Am J Vet Res* 39(9):1447-54, Sep 78  
 Mosaicism and the trisomy 8 syndrome. Berry AC, et al. *Clin Genet* 14(2):105-14, Aug 78  
 Glycogen and phosphorylase in Klinefelter's syndrome: a histochemical study. Re M, et al. *Experientia* 34(8):1081-2, 15 Aug 78  
 Tissue guanosine-3',5'-cyclic monophosphate levels and soluble guanylate cyclase activity: a positive correlation during unilateral cryptorchidism in the rat testis. Spruill WA, et al. *J Clin Invest* 62(3):568-76, Sep 78  
 Male sterility in the domestic fowl (*Gallus domesticus*) after 1-(2-chloroethyl)-3-(4-methylcyclohexyl)-1-nitroso-trans (NSC-95441) treatment of chicks. Zimmer Z, et al. *J Natl Cancer Inst* 61(3):793-7, Sep 78  
 Evaluation of heterologous artificial insemination. Rajan R. *J Obstet Gynaecol India* 28(1):121-4, Feb 78  
 Testis biopsy in varicocele as related to fertility. Rajan R, et al. *J Obstet Gynaecol India* 28(2):291-5, Apr 78  
 An unusual abnormality of human spermatozoa. Aughey E, et al. *J Reprod Fertil* 53(2):341-2, Jul 78  
 Fertility studies of complementing genotypes at the albino locus of the mouse. Lewis SE, et al. *J Reprod Fertil* 53(2):197-202, Jul 78  
 Microscopic epididymides in testicular feminisation. Blecher SR. *Nature* 275(5682):748-9, 26 Oct 78  
 Bovine experimental paracoccidiodermatitis intradermic test standardization. Da Costa EO, et al. *Sabouraudia* 16(2):103-13, Jun 78  
 Postpubertal untreated cryptorchidism. Anatomical relationship between Leydig cells and tubular sclerosis. Honoré LH. *Urol Int* 33(4):245-51, 1978  
 [The Danish Testis Cancer Project] Schultz HP, et al. *Ugeskr Laeger* 140(42):2563-66, 16 Oct 78 (Eng. Abstr.) (Dan)  
 [Current considerations on male secretory sterility] Bollack C, et al. *Helv Chir Acta* 45(3):323-8, Jul 78 (Eng. Abstr.) (Fre)  
 [Results of diagnostic exposure of the testes] Sinagowitz E, et al. *Helv Chir Acta* 45(3):371-2, Jul 78 (Ger)  
 [Effects of submaxillary gland removal on the gonads in male mice] Coletti G, et al. *Boll Soc Ital Biol Sper* 54(3):292-6, 15 Feb 78 (Ita)  
 [Testicular histopathological changes in chronic alcoholism] Schaposnik F, et al. *Rev Clin Esp* 150(1-2):35-8, Jul 78 (Eng. Abstr.) (Spa)

## PHYSIOLOGY

- Is there a local feedback from the seminiferous tubules affecting activity of the Leydig cells? Aoki A, et al. *Biol Reprod* 19(1):144-58, Aug 78  
 Seasonal effects of pinealectomy on gonadal activity in the goldfish, *Carassius auratus*. De Vlaming V, et al. *Biol Reprod* 19(1):57-63, Aug 78  
 Circadian rhythms of self-selected lighting in golden hamsters: relation to gonadal condition. Warden AW. *Chronobiologia* 5(1):28-38, Jan-Mar 78  
 Fine structure of Sertoli cells in the rat testis after hypophysectomy, testosterone treatment and re-involution. Aumüller G, et al. *Cytobiologie* 17(2):453-63, Aug 78  
 Effect of follicle stimulating hormone on the testes of Puntius

- ticto (Ham.). Kapoor CP. *Endokrinologie* 72(1):17-24, Apr 78  
 Annual endocrine cycles and environment in birds with special reference to male ducks. pp. 52-60. Assenmacher I, et al.  
 In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (33 ref.)  
 Regulation of reproductive cycles of tropical spotted munia and weaverbird. pp. 61-3. Chandola A, et al.  
 In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 Photoperiodic mechanism in hamsters: the participation of the pineal gland. pp. 94-102. Hoffmann K.  
 In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (39 ref.)  
 Reptilian reproductive cycles and environmental regulators. pp. 37-43. Lofts B.  
 In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 Seasonal changes of the testicular and thyroid functions in the badger, *Meles meles* L. pp. 85-6. Maurel D.  
 In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 Seasonal changes and environmental control of testicular function in the hedgehog, *Erinaceus europaeus* L. pp. 111-2. Saboureaux M, et al.  
 In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 Breeding cycles in three species of African ungulates. pp. 64-72. Skinner JD.  
 In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 Diurnal rhythms and the seasonal reproductive cycle in birds. pp. 144-52. Turek F.  
 In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 Role of serotonin in feedback control of hypothalamic-pituitary-testicular complex in male rats. Naumenko EV, et al. *Neuroendocrinology* 26(6):359-66, 1978  
 Changes in androstenedione, testosterone and protein metabolism as a result of exercise. Dohm GL, et al. *Proc Soc Exp Biol Med* 158(4):622-5, Sep 78  
 Effects of sex hormones on cardiovascular and hematologic responses to chronic hypoxia in rats. Moore LG, et al. *Proc Soc Exp Biol Med* 158(4):658-62, Sep 78  
 Current concepts of the undescended testis. Shapiro SR, et al. *Surg Gynecol Obstet* 147(4):617-25, Oct 78 (109 ref.)  
 Evidence for induction of germinal aplasia in male rats by environmental exposure to boron. Lee IP, et al. *Toxicol Appl Pharmacol* 45(2):577-90, Aug 78  
 [Effect of bilateral orchidectomy on serum testosterone levels in boars] Navrátil S, et al. *Vet Med (Praha)* 23(8):465-71, Aug 78 (Eng. Abstr.) (Cze)  
 [Gonadal hormone production before puberty] Huhtaniemi I. *Duodecim* 94(10):625-32, 1978 (Fin)  
 [Effects of submaxillary gland removal on the gonads in male mice] Coletti G, et al. *Boll Soc Ital Biol Sper* 54(3):292-6, 15 Feb 78 (Ita)  
 [Mechanism of action of gonadotropic hormones. V. Research on gametokinetic activity in the testis of amphibians in vitro: importance of the electrolyte composition of the incubation fluid] Pecora P, et al. *Boll Soc Ital Biol Sper* 54(8):695-700, 30 Apr 78 (Ita)  
 [Measurement of prostaglandin F in the plasma of healthy men (author's transl)] Castañeda-Peña G, et al. *Rev Invest Clin* 30(3):283-9, Jul-Sep 78 (Eng. Abstr.) (Spa)

## PHYSIOPATHOLOGY

- Testicular damage due to cytotoxic drugs and recovery after cessation of therapy. Roeser HP, et al. *Aust NZ J Med* 8(3):250-4, Jun 78  
 Endocrine effects of alcohol. Wright J. *Clin Endocrinol Metab* 7(2):351-67, Jul 78  
 Neuroendocrine aspects of reproduction in experimental malnutrition. pp. 306-12. Srebnik HH, et al.  
 In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (27 ref.)  
 hCG stimulation test in prepubertal boys with cryptorchidism. Anoussakis C, et al. *J Pediatr* 93(4):630-2, Oct 78  
 Hormonal response to stress in the squirrel monkey (*Saimiri sciureus*). Coe CL, et al. *Neuroendocrinology* 26(6):367-77, 1978  
 [Serum testosterone levels and response to administration of chorionic gonadotropins in bovine hermaphrodites] Navrátil S, et al. *Vet Med (Praha)* 23(8):473-8, Aug 78 (Eng. Abstr.)

## TESTIS

- [Idiopathic varicocele. Report 1. Testicular function (author's transl)] Okuyama A, et al.  
Nippon Hinyokika Gakkai Zasshi 69(6):787-93, Jun 78 (Eng. Abstr.) (Jpn)
- [Condition of gonads in obese boys] Koehler B.  
Pol Tyg Lek 33(42):1655-6, 16 Oct 78 (Pol)
- [Biological aspects of the restoration of pathologically altered organs] Liozner LD. Usp Sovrem Biol 86(1):84-98, Jul-Aug 78 (49 ref.) (Rus)

### RADIATION EFFECTS

- Patient exposures and radiation risks in Swedish diagnostic radiology. Bengtsson G, et al.  
Acta Radiol Oncol Radiat Phys Biol 17(2):81-105, 1978
- Radiobiological considerations in multifraction irradiation. Kogelnik HD, et al. Radiol Clin (Basel) 47(5):362-9, 1978
- [Growth and sexual maturation of forest mice with an elevated concentration of <sup>90</sup>Sr in the biogeocenosis] Isaev SI, et al. Ekologiya (3):64-8, May-Jun 78 (Rus)
- [State of spermatogenesis in rats exposed on the Cosmos-690 biosatellite] Plakhuta-Plakutina GI.  
Kosm Biol Aviakosm Med 12(5):26-31, Sep-Oct 78 (Eng. Abstr.) (Rus)

### SECRETION

- An inhibitory effect of melatonin on the luteinizing hormone releasing activity of luteinizing hormone releasing hormone in immature male dogs. Mieno M, et al. J Endocrinol 78(2):283-4, Aug 78
- [Studies of endocrinological function of testis. Report 5. Follow-up of delayed puberty (author's transl)] Okuyama A. Nippon Hinyokika Gakkai Zasshi 69(6):712-7, Jun 78 (Eng. Abstr.) (Jpn)
- [Studies of endocrinological function of testis. Report 4. Cryptorchidism after surgical therapy (author's transl)] Okuyama A. Nippon Hinyokika Gakkai Zasshi 69(6):700-11, Jun 78 (Eng. Abstr.) (Jpn)
- [Studies of endocrinological function of testis. Report 1. The HCG stimulation test in normal males, idiopathic sterilities and Klinefelter's syndromes (author's transl)] Okuyama A. Nippon Hinyokika Gakkai Zasshi 69(6):679-85, Jun 78 (Eng. Abstr.) (Jpn)
- [Studies of endocrinological function of testis. Report 3. Hypogonadism of adult (author's transl)] Okuyama A. Nippon Hinyokika Gakkai Zasshi 69(6):693-9, Jun 78 (Eng. Abstr.) (Jpn)
- [Studies of endocrinological function of testis. Report 2. Delayed puberty (author's transl)] Okuyama A. Nippon Hinyokika Gakkai Zasshi 69(6):686-92, Jun 78 (Eng. Abstr.) (Jpn)

### SURGERY

- Construction of male genitalia: the Stanford experience. Noe JM, et al. Arch Sex Behav 7(4):297-303, Jul 78
- Serial bone scintigraphy for assessing the effectiveness of treatment of osseous metastases from prostatic cancer. Langhammer H, et al. Nuklearmedizin 17(3):87-91, Jul 78
- [Results of diagnostic exposure of the testes] Sinagowitz E, et al. Helv Chir Acta 45(3):371-2, Jul 78 (Ger)
- [Studies of endocrinological function of testis. Report 4. Cryptorchidism after surgical therapy (author's transl)] Okuyama A. Nippon Hinyokika Gakkai Zasshi 69(6):700-11, Jun 78 (Eng. Abstr.) (Jpn)
- [Traumatic rupture of the testicle] Polo G, et al. Actas Urol Esp 2(4):189-92, Jul-Aug 78 (Eng. Abstr.) (Spa)

### TRANSPLANTATION

- Development of teratomas from embryos transplanted into outbred and inbred adult hamsters. Damjanov I.  
J Natl Cancer Inst 61(3):911-5, Sep 78
- [Surgical technic of testicular transplantation] Shumakov VI, et al. Vestn Khir 121(7):77-81, Jul 78 (Rus)

### ULTRASTRUCTURE

- Effects of estrogen on human seminiferous tubules: light and electron microscopic analysis. Lu CC, et al. Am J Anat 153(1):1-13, Sep 78
- Scanning electron microscopy of the epithelium and spermatozoa in the equine excurrent duct system. Johnson L, et al. Am J Vet Res 39(9):1428-34, Sep 78
- Vasectomy in rhesus monkeys. IV. Electron microscopic studies of the seminiferous epithelium. Chapman ES, et al. Anat Rec 192(1):41-53, Sep 78

## GONADS

- The mammalian tubuli recti: ultrastructural study. Osman DI, et al. Anat Rec 192(1):1-17, Sep 78
- The influence of activation, removal or denervation of the pineal on the fine structure of the Leydig cell and seminal vesicle epithelium in golden hamsters. Lin HS, et al. Cell Tissue Res 191(3):367-78, 16 Aug 78
- Epoxide metabolizing enzyme activities in rat testes: postnatal development and relative activity in interstitial and spermatogenic cell compartments. Mukhtar H, et al. Chem Biol Interact 22(2-3):153-65, Sep 78
- Localization of the synaptonemal complex under the light microscope. Esponda P, et al. Chromosoma 68(1):83-90, 21 Aug 78
- Chromatin ultrastructure changes during spermatogenesis in armadillos. Weaker FJ, et al. Cytobios 19(74):79-91, 1977
- Age-related changes in protein, RNA and DNA content and protein synthesis in rat testes. Liu DS, et al. Exp Gerontol 13(3-4):197-205, 1978



# GONADS

## II. Disorders of the Gonads

### ARRHENOBLASTOMA

#### ETIOLOGY

Ovarian tumors in childhood and adolescence. Histological types and malignancy with reference to the age and menstrual activity of patients. Szamborski JJ. *Neoplasma* 25(4):493-9, 1978

#### PATHOLOGY

[Histomorphological and histogenetic study of masculinizing mesenchymomas of the ovary] Boscaino N, et al. *Arch De Vecchi Anat Patol* 135(3):359-68, Jul-Sep 78 (Ita)

#### RADIONUCLIDE IMAGING

Positive imaging of arrhenoblastoma of the ovary with <sup>131</sup>I-Adosterol: case report. Nakajo M, et al. *Radioisotopes* 27(7):407-9, Jul 78

### BRENNER TUMOR

#### DIAGNOSIS

Radiologic seminar CLXXXIV: Brenner tumor of the ovary—ultrasound findings. Williams CO. *J Miss State Med Assoc* 19(9):168-9, Sep 78

#### HISTORY

Classic pages in obstetrics and gynecology. Uterine fibroid with anomalous ovarian tumor. Henry MacNaughton-Jones Transactions of the Obstetrical Society of London, vol. 40, pp. 154 and 213-214, 1898. *Am J Obstet Gynecol* 132(4):471-2, 15 Oct 78

#### PATHOLOGY

[Brenner tumor in an 18-year-old-girl] Chistiakova MB. *Pediatr Akusb Ginekol* (4):32, Jul-Aug 78 (Ukr)

#### SURGERY

Radiologic seminar CLXXXIV: Brenner tumor of the ovary—ultrasound findings. Williams CO. *J Miss State Med Assoc* 19(9):168-9, Sep 78

### CRYPTORCHISM

Current concepts of the undescended testis. Shapiro SR, et al. *Surg Gynecol Obstet* 147(4):617-25, Oct 78 (109 ref.)

#### BLOOD

Reduced post-natal rise of testosterone in plasma of cryptorchid infants. Gendrel D, et al. *Acta Endocrinol (Copenh)* 89(2):372-8, Oct 78

#### CHEMICALLY INDUCED

Teratogenic action of bis(dichloroacetyl) diamine on rats: patterns of malformations produced in high incidence at time-limited periods of development. Taleporos P, et al. *Teratology* 18(1):5-15, Aug 78

#### COMPLICATIONS

Seminoma of undescended testis in a male pseudohermaphrodite. Sengupta P, et al. *J Indian Med Assoc* 70(8):184-6, 16 Apr 78  
Cryptorchidism and testicular neoplasia. Green R, et al. *J Natl Med Assoc* 70(9):659-64, Sep 78  
The congenitally dilated prostatic utricle. Workman C, et al. *J Urol* 120(4):508-10, Oct 78

Pulmonary complications associated with the prune-belly syndrome. Alford BA, et al. *Radiology* 129(2):401-7, Nov 78

Current concepts of the undescended testis. Shapiro SR, et al. *Surg Gynecol Obstet* 147(4):617-25, Oct 78 (109 ref.)

Twenty-five-year experience with prune belly syndrome. Goulding FJ, et al. *Urology* 12(3):329-32, Sep 78

[Current considerations on male secretory sterility] Bollack C, et al. *Helv Chir Acta* 45(3):323-8, Jul 78 (Eng. Abstr.) (Fre)

#### CONGENITAL

Urinary tract reconstruction in prune belly syndrome. Rabinowitz R, et al. *Urology* 12(3):333-5, Sep 78

#### DIAGNOSIS

Current concepts of the undescended testis. Shapiro SR, et al. *Surg Gynecol Obstet* 147(4):617-25, Oct 78 (109 ref.)

#### DRUG THERAPY

[Cryptorchism in children] Vuković D, et al. *Med Pregl* 31(7-8):289-92, 1978 (Eng. Abstr.) (Ser)

#### METABOLISM

Tissue guanosine-3',5'-cyclic monophosphate levels and soluble guanylate cyclase activity: a positive correlation during unilateral cryptorchidism in the rat testis. Spruill WA, et al. *J Clin Invest* 62(3):568-76, Sep 78

#### PATHOLOGY

The protective effect of selenium on cadmium-induced injury to normal and cryptorchid testes in the rat. Niewenhuis RJ, et al. *Biol Reprod* 19(1):1-7, Aug 78

Early deviations of testicular Leydig cells in the naturally unilateral cryptorchid pig. van Straaten HW, et al. *Biol Reprod* 19(1):171-6, Aug 78

Tissue guanosine-3',5'-cyclic monophosphate levels and soluble guanylate cyclase activity: a positive correlation during unilateral cryptorchidism in the rat testis. Spruill WA, et al. *J Clin Invest* 62(3):568-76, Sep 78

Postpubertal untreated cryptorchidism. Anatomical relationship between Leydig cells and tubular sclerosis. Honoré LH. *Urol Int* 33(4):245-51, 1978

#### PHYSIOPATHOLOGY

The protective effect of selenium on cadmium-induced injury to normal and cryptorchid testes in the rat. Niewenhuis RJ, et al. *Biol Reprod* 19(1):1-7, Aug 78

hCG stimulation test in prepubertal boys with cryptorchidism. Anoussakis C, et al. *J Pediatr* 93(4):630-2, Oct 78

[Studies of endocrinological function of testis. Report 4. Cryptorchidism after surgical therapy (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):700-11, Jun 78 (Eng. Abstr.) (Jpn)

#### SURGERY

Nonabdominal approach to castration of the cryptorchid cat. Noffsinger GR, et al. *J Am Vet Med Assoc* 173(3):303-4, 1 Aug 78

Current concepts of the undescended testis. Shapiro SR, et al. *Surg Gynecol Obstet* 147(4):617-25, Oct 78 (109 ref.)

Twenty-five-year experience with prune belly syndrome. Goulding FJ, et al. *Urology* 12(3):329-32, Sep 78

[Studies of endocrinological function of testis. Report 4. Cryptorchidism after surgical therapy (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):700-11, Jun 78 (Eng. Abstr.) (Jpn)

[Cryptorchism in children] Vuković D, et al. *Med Pregl* 31(7-8):289-92, 1978 (Eng. Abstr.) (Ser)

#### VETERINARY

Nonabdominal approach to castration of the cryptorchid cat. Noffsinger GR, et al. *J Am Vet Med Assoc* 173(3):303-4, 1 Aug 78

## DYSGERMINOMA

### DYSGERMINOMA

#### BLOOD

- Plasma protein production by human tumors xenotransplanted in nude mice. Yoshimura S, et al. *Cancer Res* 38(10):3474-8, Oct 78
- Current concepts in management of testicular tumor. Javadpour N. *Urol Surv* 28(3):89-94, Jun 78
- Biologic tumor markers in management of testicular and bladder cancer. Javadpour N. *Urology* 12(2):177-83, Aug 78

#### COMPLICATIONS

- Seminoma of undescended testis in a male pseudohermaphrodite. Sengupta P, et al. *J Indian Med Assoc* 70(8):184-6, 16 Apr 78
- [XOXY gonadal dysgenesis. 2 new cases] Ferro MT, et al. *Rev Clin Esp* 149(4):339-43, 31 May 78 (Spa)

#### DIAGNOSIS

- Current concepts in management of testicular tumor. Javadpour N. *Urol Surv* 28(3):89-94, Jun 78
- [Results of diagnostic exposure of the testes] Sinagowitz E, et al. *Helv Chir Acta* 45(3):371-2, Jul 78 (Ger)

#### DRUG THERAPY

- Improved prognosis in children with ovarian cancers following modified VAC (vincristine sulfate, dactinomycin, and cyclophosphamide) chemotherapy. Cangir A, et al. *Cancer* 42(3):1234-8, Sep 78

#### ETIOLOGY

- Cryptorchidism and testicular neoplasia. Green R, et al. *J Natl Med Assoc* 70(9):659-64, Sep 78
- Ovarian tumors in childhood and adolescence. Histological types and malignancy with reference to the age and menstrual activity of patients. Szamborski JJ. *Neoplasma* 25(4):493-9, 1978

#### FAMILIAL & GENETIC

- Dysgerminoma--100% control with combined therapy in six consecutive patients with advanced disease. Marks RD, et al. *Int J Radiat Oncol Biol Phys* 4(5-6):453-6, May-Jun 78
- [P 11 deletion syndrome. Aniridia, urogenital malformation and mental retardation] Andersen SR, et al. *Ugeskr Laeger* 140(35):2112, 28 Aug 78 (Dan)

#### MICROBIOLOGY

- Viruslike particles in hamster embryos, fetuses, and tumors. Sobis H, et al. *J Natl Cancer Inst* 61(3):891-5, Sep 78

#### MORTALITY

- [Megavolt treatment of stage I and II seminoma of the testis] Engelholm SA, et al. *Ugeskr Laeger* 140(42):2567-9, 16 Oct 78 (Eng. Abstr.) (Dan)

#### OCCURRENCE

- [The Danish Testis Cancer Project] Schultz HP, et al. *Ugeskr Laeger* 140(42):2563-66, 16 Oct 78 (Eng. Abstr.) (Dan)

#### PATHOLOGY

- Tumours of the testis. Mostofi FK, et al. *IARC Sci Publ* (6):135-50, 1976 (57 ref.)
- [The Danish Testis Cancer Project] Schultz HP, et al. *Ugeskr Laeger* 140(42):2563-66, 16 Oct 78 (Eng. Abstr.) (Dan)
- [A primary malignant mixed germ cell tumor of the ovary] de Groot AW, et al. *Ned Tijdschr Geneesk* 122(43):1657-60, 28 Oct 78 (Eng. Abstr.) (Dut)
- [Testicular seminoma: its treatment and results in 33 cases] Valls Fontanals A, et al. *Actas Urol Esp* 2(4):179-82, Jul-Aug 78 (Eng. Abstr.) (Spa)
- [XOXY gonadal dysgenesis. 2 new cases] Ferro MT, et al. *Rev Clin Esp* 149(4):339-43, 31 May 78 (Spa)

## GONADS

### RADIOTHERAPY

- [Megavolt treatment of stage I and II seminoma of the testis] Engelholm SA, et al. *Ugeskr Laeger* 140(42):2567-9, 16 Oct 78 (Eng. Abstr.) (Dan)
- [Computer tomography for TNM based radiation planning of urological tumours (author's transl)] Ammon J, et al. *ROEFO* 129(2):253-9, Aug 78 (Eng. Abstr.) (Ger)
- [Testicular seminoma: its treatment and results in 33 cases] Valls Fontanals A, et al. *Actas Urol Esp* 2(4):179-82, Jul-Aug 78 (Eng. Abstr.) (Spa)

### SURGERY

- [A primary malignant mixed germ cell tumor of the ovary] de Groot AW, et al. *Ned Tijdschr Geneesk* 122(43):1657-60, 28 Oct 78 (Eng. Abstr.) (Dut)
- [Malignant testicular tumors (author's transl)] Schmucki O. *Ther Umsch* 35(10):849-53, Oct 78 (Eng. Abstr.) (Ger)
- [Testicular seminoma: its treatment and results in 33 cases] Valls Fontanals A, et al. *Actas Urol Esp* 2(4):179-82, Jul-Aug 78 (Eng. Abstr.) (Spa)
- [XOXY gonadal dysgenesis. 2 new cases] Ferro MT, et al. *Rev Clin Esp* 149(4):339-43, 31 May 78 (Spa)

### THERAPY

- Dysgerminoma--100% control with combined therapy in six consecutive patients with advanced disease. Marks RD, et al. *Int J Radiat Oncol Biol Phys* 4(5-6):453-6, May-Jun 78
- The current management of advanced testicular cancers. Wajsman Z, et al. *Urol Surv* 28(4):127-33, Aug 78
- [The Danish Testis Cancer Project] Schultz HP, et al. *Ugeskr Laeger* 140(42):2563-66, 16 Oct 78 (Eng. Abstr.) (Dan)

### ULTRASTRUCTURE

- [Various morphological aspects of germ cell tumors of the ovary in light and electron-microscopic pictures] Szamborski J, et al. *Patol Pol* 29(2):209-19, Apr-Jun 78 (Eng. Abstr.) (Pol)

### VETERINARY

- Ovarian neoplasia in ornamental hybrid carp (Nishikigoi) in Japan. Ishikawa T, et al. *Ann NY Acad Sci* 298:330-41, 29 Sep 78

## GRANULOSA CELL TUMOR

### DRUG THERAPY

- A temporary response of recurrent granulosa cell tumor to adriamycin. Disaia P, et al. *Obstet Gynecol* 52(3):355-8, Sep 78

### ETIOLOGY

- Ovarian tumors in childhood and adolescence. Histological types and malignancy with reference to the age and menstrual activity of patients. Szamborski JJ. *Neoplasma* 25(4):493-9, 1978

### PATHOLOGY

- Tumours of the ovary. Carter RL, et al. *IARC Sci Publ* (6):189-200, 1976 (40 ref.)
- Tumours of the testis. Mostofi FK, et al. *IARC Sci Publ* (6):135-50, 1976 (57 ref.)
- A temporary response of recurrent granulosa cell tumor to adriamycin. Disaia P, et al. *Obstet Gynecol* 52(3):355-8, Sep 78
- [2 cases of metastasis to an unusual site] Jadot JP, et al. *Acta Urol Belg* 46(3):379-88, Jul 78 (Eng. Abstr.) (Fre)

### VETERINARY

- Ovarian neoplasia in ornamental hybrid carp (Nishikigoi) in Japan. Ishikawa T, et al. *Ann NY Acad Sci* 298:330-41, 29 Sep 78



## GYNANDROBLASTOMA

## DIAGNOSIS

The fountain of youth or where is the estrogen coming from. Porter GS, et al. *J Indiana State Med Assoc* 71(10):997-8, Oct 78

## SECRETION

The fountain of youth or where is the estrogen coming from. Porter GS, et al. *J Indiana State Med Assoc* 71(10):997-8, Oct 78

## HERMAPHRODITISM

Intersex, a temperature-sensitive mutant of the nematode *Caenorhabditis elegans*. Nelson GA, et al. *Dev Biol* 66(2):386-409, Oct 78

Bisexuality and the problem of its social acceptance. Austin CR. *J Med Ethics* 4(3):132-7, Sep 78

## BLOOD

[Serum testosterone levels and response to administration of chorionic gonadotropins in bovine hermaphrodites] Navrátil S, et al. *Vet Med (Praha)* 23(8):473-8, Aug 78 (Eng. Abstr.) (Cze)

## DIAGNOSIS

Two true hermaphrodites with XX chromosomes. Gripenberg U, et al. *East Afr Med J* 55(8):373-9, Aug 78  
 Ultrasonic diagnosis of gynecologic disorders in children. Haller JO, et al. *Pediatrics* 62(3):339-42, Sep 78  
 [Hermaphroditism: its pathogenesis, clinical picture and the means of therapy] Rozovskii IS, et al.  
 Akush Ginekol (Mosk) (8):67-73, Aug 78 (Rus)

## ETIOLOGY

[Hermaphroditism: its pathogenesis, clinical picture and the means of therapy] Rozovskii IS, et al.  
 Akush Ginekol (Mosk) (8):67-73, Aug 78 (Rus)

## FAMILIAL &amp; GENETIC

Recessive male-determining genes. Wachtel SS, et al. *Cell* 15(1):279-81, Sep 78

## IMMUNOLOGY

Recessive male-determining genes. Wachtel SS, et al. *Cell* 15(1):279-81, Sep 78

## METABOLISM

Production and origin of estrogen in two true hermaphrodites. Aiman J, et al. *Am J Obstet Gynecol* 132(4):401-9, 15 Oct 78

## SURGERY

Two true hermaphrodites with XX chromosomes. Gripenberg U, et al. *East Afr Med J* 55(8):373-9, Aug 78

## THERAPY

[Hermaphroditism: its pathogenesis, clinical picture and the means of therapy] Rozovskii IS, et al.  
 Akush Ginekol (Mosk) (8):67-73, Aug 78 (Rus)

## VETERINARY

[Serum testosterone levels and response to administration of chorionic gonadotropins in bovine hermaphrodites] Navrátil S, et al. *Vet Med (Praha)* 23(8):473-8, Aug 78 (Eng. Abstr.) (Cze)

## HYPOGONADISM

## BLOOD

The effect of LH-RH infusion on serum LH, FSH and

testosterone in boys with advanced puberty, delayed puberty and hypogonadotropic hypogonadism. de Lange WE, et al. *Acta Endocrinol (Copenh)* 89(2):209-16, Oct 78

Treatment of amenorrhoea, galactorrhoea and hypogonadism with bromocriptine. Donald RA, et al. *Aust NZ J Med* 8(3):262-6, Jun 78

Studies on the diagnostic use of LH-RH. Rochefort JG, et al. *Curr Top Mol Endocrinol* 3:65-72, 1976

## COMPLICATIONS

Prolactin-screening tumors and hypogonadism in 22 men. Carter JN, et al. *N Engl J Med* 299(16):847-52, 19 Oct 78  
 [Case of pituitary apoplexy simulating meningitis, and familial cases of primary hemochromatosis with pituitary hypogonadism] Yoshida S, et al. *Horumon To Rinsho* 26(1):39-43, Jan 78 (Jpn)

## DIAGNOSIS

Studies on the diagnostic use of LH-RH. Rochefort JG, et al. *Curr Top Mol Endocrinol* 3:65-72, 1976

## DRUG THERAPY

Treatment of amenorrhoea, galactorrhoea and hypogonadism with bromocriptine. Donald RA, et al. *Aust NZ J Med* 8(3):262-6, Jun 78

Zinc interference with copper metabolism [editorial] Sandstead HH. *JAMA* 240(20):2188, 10 Nov 78

[Study of 13 cases of ostensibly idiopathic male infertility treated successfully by HMG/HCG combination] Alexandre C. *Sem Hop Paris* 54(17-20):633-6, Jun 78 (Eng. Abstr.) (Fre)

## ETIOLOGY

The 48,XXYY syndrome. Sørensen K, et al.

*J Ment Defic Res* 22(3):197-205, Sep 78

Prolactin-screening tumors and hypogonadism in 22 men. Carter JN, et al. *N Engl J Med* 299(16):847-52, 19 Oct 78

## FAMILIAL &amp; GENETIC

Hereditary bimanual synkinesis combined with hypogonadotropic hypogonadism and anosmia in four brothers. Conrad B, et al. *J Neurol* 218(4):263-74, 25 Aug 78

## METABOLISM

Discrimination between endogenous and exogenous testosterone in human plasma after oral treatment with testosterone undecanoate using stable-isotope-labelled compounds and mass spectrometric analyses. pp. 157-65. de Ridder JJ, et al.

In: Baillie TA, ed. *Stable isotopes*. Baltimore, Univ Park Press, 1978. QV 20.5 I61s 1978.

## PATHOLOGY

Ovarian biopsy in the evaluation of amenorrhea. Karam K, et al. *Acta Obstet Gynecol Scand* 57(4):361-11, 1978

## PHYSIOPATHOLOGY

Hereditary bimanual synkinesis combined with hypogonadotropic hypogonadism and anosmia in four brothers. Conrad B, et al. *J Neurol* 218(4):263-74, 25 Aug 78

[Studies of endocrinological function of testis. Report 3. Hypogonadism of adult (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):693-9, Jun 78 (Eng. Abstr.) (Jpn)

[Feasibility of using the antiandrogen 4-nitro-3-trifluoromethyl isobutyranilide to evaluate the gonadotropic reserves of the hypothalamo-hypophyseal system] Reznikov AG, et al. *Fiziol Zh* 24(5):687-91, Sep-Oct 78 (Eng. Abstr.) (Rus)

## KLINEFELTER'S SYNDROME

[Klinefelter's syndrome and XXXXY syndrome] Sasaki K, et al. *Nippon Rinsho Suppl*:1462-3, May 78 (Jpn)

## COMPLICATIONS

Megalencephaly and chromosomal anomaly. Budka H.

## KLINEFELTER'S

Acta Neuropathol (Berl) 43(3):263-6, 15 Sep 78  
Taurodontism, shovel-shaped incisors and the Klinefelter syndrome. Gardner DG, et al. Dent J 44(8):372-3, Sep 78  
Clinical observations in Klinefelter (47,XXY) syndrome. Funderburk SJ, et al. J Ment Defic Res 22(3):207-12, Sep 78

### FAMILIAL & GENETIC

An XYY boy with short stature and a case of Klinefelter's syndrome (XXY) in a family with inversion 9. Faed MJ, et al. Clin Genet 14(4):241-5, Oct 78  
[Aggression and aberrations of sex chromosomes: genetic and neurophysiological aspects of aggressive behavior] Moamai N. Union Med Can 107(10):981-3, Oct 78 (Eng. Abstr.) (Fre)  
[Klinefelter's syndrome (author's transl)] Ohba S. Rinsho Hoshasen 23(10):1073-4, Oct 78 (Jpn)

### METABOLISM

Glycogen and phosphorylase in Klinefelter's syndrome: a histochemical study. Re M, et al. Experientia 34(8):1081-2, 15 Aug 78

### OCCURRENCE

Cytogenetic studies in Papua New Guinea [letter] Woodliff HJ, et al. Papua New Guinea Med J 21(2):216, Jun 78

### PATHOLOGY

Megalencephaly and chromosomal anomaly. Budka H. Acta Neuropathol (Berl) 43(3):263-6, 15 Sep 78  
Glycogen and phosphorylase in Klinefelter's syndrome: a histochemical study. Re M, et al. Experientia 34(8):1081-2, 15 Aug 78

### PHYSIOPATHOLOGY

Neurophysiological study of 47, XYY and 47, XXY psychopaths: contingent negative variation, evoked potentials and motor nerve conduction. Paty J, et al. Neuropsychobiology 4(6):321-27, 1978  
[Studies of endocrinological function of testis. Report 1. The HCG stimulation test in normal males, idiopathic sterilities and Klinefelter's syndromes (author's transl)] Okuyama A. Nippon Hinyokika Gakkai Zasshi 69(6):679-85, Jun 78 (Eng. Abstr.) (Jpn)

### RADIOGRAPHY

[Klinefelter's syndrome (author's transl)] Ohba S. Rinsho Hoshasen 23(10):1073-4, Oct 78 (Jpn)

## LEYDIG CELL TUMOR

### CHEMICALLY INDUCED

A study of the capacity for regeneration of rat and human Leydig cells. Senge T, et al. Urol Res 6(3):167-71, 1 Sep 78

### DRUG THERAPY

Improved prognosis in children with ovarian cancers following modified VAC (vincristine sulfate, dactinomycin, and cyclophosphamide) chemotherapy. Cangir A, et al. Cancer 42(3):1234-8, Sep 78

### METABOLISM

Inhibition of the degradation of receptor-bound human choriogonadotropin by lysosomotropic agents, protease inhibitors, and metabolic inhibitors. Ascoli M, et al. J Biol Chem 253(21):7832-8, 10 Nov 78  
Demonstration of a direct effect of inhibitors of the degradation of receptor-bound human choriogonadotropin on the steroidogenic pathway. Ascoli M. J Biol Chem 253(21):7839-43, 10 Nov 78

### PATHOLOGY

Tumours of the testis. Mostofi FK, et al. IARC Sci Publ (6):135-50, 1976 (57 ref.)

## GONADS

## NOONAN SYNDROME

[Noonan syndrome] Matsuo N. Nippon Rinsho Suppl:2042-3, May 78 (Jpn)  
[Noonan's syndrome. (Male Turner's syndrome, Turner-like syndrome)] Curčić-Stojković O, et al. Med Pregl 31(7-8):299-303, 1978 (Eng. Abstr.) (Sec)

### COMPLICATIONS

[Familial forms of cardiopathies of Noonan's syndrome. Apropos of 3 families] Pernot C, et al. Pediatrie 33(4):375-82, Jun 78 (Eng. Abstr.) (Fre)  
[Noonan syndrome] Matsuo N. Nippon Rinsho Suppl:2042-3, May 78 (Jpn)

### DIAGNOSIS

[The Saldin-Noonan syndrome] Seemanová E, et al. Cas Lek Cesk 117(31):967-70, 4 Aug 78 (Eng. Abstr.) (Cze)  
[3 recent cases of Noonan's syndrome] Vellieux F, et al. Sem Hop Paris 54(5-8):335-43, Mar 78 (Eng. Abstr.) (Fre)

### FAMILIAL & GENETIC

[The Saldin-Noonan syndrome] Seemanová E, et al. Cas Lek Cesk 117(31):967-70, 4 Aug 78 (Eng. Abstr.) (Cze)  
[Familial forms of cardiopathies of Noonan's syndrome. Apropos of 3 families] Pernot C, et al. Pediatrie 33(4):375-82, Jun 78 (Eng. Abstr.) (Fre)

## OVARIAN CYSTS

### COMPLICATIONS

Uterine prolapse in pregnancy caused by a very large mucinous cyst. Kamyab SD, et al. Acta Med Iran 19(4):245-54, 1976  
Plasma testosterone in molar pregnancy: Correlation with gestational age, uterine size, theca-lutein cyst and serum HCG. Chew PC, et al. Br J Obstet Gynaecol 85(8):624-6, Aug 78  
[Dyshormonal tumors (a review of the literature)] Lekhtman MN. Zdravookhr Kirg (5):51-8, Sep-Oct 78 (Rus)

### DIAGNOSIS

Ultrasonography of abdominal fluid collections. Doust BD, et al. Gastrointest Radiol 3(3):273-9, 31 Aug 78  
Ultrasound and gallium for the diagnosis of abdominal and pelvic abscesses. Taylor KJ, et al. Gastrointest Radiol 3(3):281-6, 31 Aug 78  
Ultrasonic diagnosis of gynecologic disorders in children. Haller JO, et al. Pediatrics 62(3):339-42, Sep 78

### PATHOLOGY

Uterine prolapse in pregnancy caused by a very large mucinous cyst. Kamyab SD, et al. Acta Med Iran 19(4):245-54, 1976  
Ovarian cyst fenestration via laparoscopy. Kleppinger RK. J Reprod Med 21(1):16-9, Jul 78

### SECRETION

[Dyshormonal tumors (a review of the literature)] Lekhtman MN. Zdravookhr Kirg (5):51-8, Sep-Oct 78 (Rus)

### SURGERY

Uterine prolapse in pregnancy caused by a very large mucinous cyst. Kamyab SD, et al. Acta Med Iran 19(4):245-54, 1976  
A courageous woman and a country doctor (Ephraïm McDowell). Wasson AA. Front Nurs Serv Q Bul 54(1):38-9, Summer 78



## OVARIAN DISEASES

## CHEMICALLY INDUCED

Morphological study of the ovaries of leukaemic children. Himmelstein-Braw R, et al. *Br J Cancer* 38(1):82-7, Jul 78

## COMPLICATIONS

[The diagnosis of the tubal factor in the treatment of infertility (author's transl)] Gerhard I, et al.

*Geburtshilfe Frauenheilkd* 38(10):805-15, Oct 78 (Eng. Abstr.) (Ger)

[Diagnostic and therapeutic importance of celioscopic ovarian biopsy in female sterility] Scarpa F, et al.

*Minerva Ginecol* 30(9):739-48, Sep 78 (Eng. Abstr.) (Ita)

## DIAGNOSIS

[Relation between the results of LHRH tests and ovarian biopsies in dystrophic syndromes and Stein-Leventhal syndromes] Bruhat MA, et al.

*J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):738-43, Apr 78 (Fre)

[Diagnostic and therapeutic importance of celioscopic ovarian biopsy in female sterility] Scarpa F, et al.

*Minerva Ginecol* 30(9):739-48, Sep 78 (Eng. Abstr.) (Ita)

## DRUG THERAPY

[Results of routine treatment with Clomiphen (author's transl)] Gronau A, et al. *Geburtshilfe Frauenheilkd* 38(10):775-84, Oct 78 (Eng. Abstr.) (Ger)

## ETIOLOGY

Impairment of the hypothalamo-pituitary-ovarian axis of the athymic 'nude' mouse. Weinstein Y. *Mech Ageing Dev* 8(1):63-8, Jul 78

[Thymic deficiency and autoimmune diseases of the endocrine organs] Nishizuka Y. *Horumon To Rinsho* 26(8):731-6, Aug 78 (13 ref.) (Jpn)

## PATHOLOGY

Sarcoidosis of the female genital tract. Chalvardjian A.

*Am J Obstet Gynecol* 132(1):78-80, 1 Sep 78

Wedge resection in massive edema of the ovary. Kleiner GJ, et al. *Am J Obstet Gynecol* 132(1):107-8, 1 Sep 78

[Relation between the results of LHRH tests and ovarian biopsies in dystrophic syndromes and Stein-Leventhal syndromes] Bruhat MA, et al.

*J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):738-43, Apr 78 (Fre)

[Diagnostic and therapeutic importance of celioscopic ovarian biopsy in female sterility] Scarpa F, et al.

*Minerva Ginecol* 30(9):739-48, Sep 78 (Eng. Abstr.) (Ita)

## SURGERY

Wedge resection in massive edema of the ovary. Kleiner GJ, et al. *Am J Obstet Gynecol* 132(1):107-8, 1 Sep 78

## VETERINARY

Hydrovarium in a Mongolian gerbil (*Meriones unguiculatus*).

Clark GR. *VM SAC* 73(6):792-3, Jun 78

## OVARIAN NEOPLASMS

[Struma ovarii] Pamich G. *Minerva Chir* 33(17):1131-6, 15 Sep 78 (Eng. Abstr.) (Ita)

## BLOOD

The circulating alpha subunit of human chorionic gonadotrophin in gynaecologic tumours. Rutanen EM.

*Int J Cancer* 22(4):413-21, 15 Oct 78

Determination of soluble fibrin monomer complexes by adsorption on immobilized fibrinogen. Stemberger AW, et al. *Thromb Haemost* 39(3):574-81, 30 Jun 78

[Endocrine aspects of ovarian cancer. II. Biochemical and histochemical examinations] Bergleiter R?Liedtke MP, et al. *Zentralbl Gynaekol* 100(15):1004-7, 1978 (Eng. Abstr.) (Ger)

## BLOOD SUPPLY

Simplified bilateral selective catheterization of the uterine artery. Mohri M, et al. *Radiology* 129(1):239-41, Oct 78

## COMPLICATIONS

Bilateral ovarian endometriosis associated with carcinosarcoma of the right ovary and endometrioid carcinoma of the left ovary. Marchevsky AM, et al.

*Am J Clin Pathol* 70(4):709-12, Oct 78

[Endocrine aspects of ovarian cancer. I. Clinical and pathological-anatomical examinations] Bergleiter R.

*Zentralbl Gynaekol* 100(15):1000-3, 1978 (Eng. Abstr.) (Ger)

[Endocrine aspects of ovarian cancer. II. Biochemical and histochemical examinations] Bergleiter R?Liedtke MP, et al. *Zentralbl Gynaekol* 100(15):1004-7, 1978 (Eng. Abstr.) (Ger)

[Ovarian neoplasms during pregnancy, labora and puerperium] Lukasik J, et al. *Wiad Lek* 31(16):1119-24, 15 Aug 78 (Eng. Abstr.) (Pol)

[Cause-effect relationships between endometriosis and sterility and the prognosis for restoration of the child-bearing function depending on the type of therapy] Rotkina IE.

*Akush Ginekol (Mosk)* (8):56-9, Aug 78 (Eng. Abstr.) (Rus)

[Pericarditis in malignant tumors] Shkhvatsabaia LV, et al.

*Ter Arkh* 50(8):33-8, 1978 (Eng. Abstr.) (Rus)

[Full-term pregnancy associated with bilateral ovarian cancer] Mazorchuk BF, et al. *Pediatr Akush Ginekol* (4):55-6, Jul-Aug 78 (Ukr)

## DIAGNOSIS

Primary ovarian carcinoma in pregnancy. Sathanandan M, et al. *Ceylon Med J* 22(4):178-81, Dec 77

Immunocytochemical localization of oncodevelopmental proteins in human germ cell and hepatic tumors. Palmer PE, et al. *J Histochem Cytochem* 26(7):523-31, Jul 78

The fountain of youth or where is the estrogen coming from. Porter GS, et al. *J Indiana State Med Assoc* 71(10):997-8, Oct 78

Radiologic seminar CLXXXIV: Brenner tumor of the ovary--ultrasound findings. Williams CO.

*J Miss State Med Assoc* 19(9):168-9, Sep 78

Ultrasonic diagnosis of gynecologic disorders in children. Haller JO, et al. *Pediatrics* 62(3):339-42, Sep 78

[Ovarian endometriosis: Its clinical and experimental aspects] Palatyński A. *Pol Tyg Lek* 33(30):1185-7, 24 Jul 78 (Pol)

[Diagnosis of ovarian neoplasms at various stages of examination] Shuvaeva NI, et al. *Sov Med* (8):145-9, Aug 78 (Rus)

[Struma ovarii] Veljanovski A, et al.

*Jugosl Ginekol Opstet* 17(4):233-4, Jul-Aug 77 (Eng. Abstr.) (Ser)

[Preliminary experience with TPA (tissue polypeptide antigen) in ovarian cancer] Hagbard L, et al. *Lakartidningen* 75(39):3433-5, 27 Sep 78 (Eng. Abstr.) (Swe)

## DRUG THERAPY

Improved prognosis in children with ovarian cancers following modified VAC (vincristine sulfate, dactinomycin, and cyclophosphamide) chemotherapy. Cangir A, et al.

*Cancer* 42(3):1234-8, Sep 78

Direct cloning of human ovarian carcinoma cells in agar. Hamburger AW, et al. *Cancer Res* 38(10):3438-44, Oct 78

Phase II trial adriamycin and cis-dichlorodiammineplatinum(II) in squamous cell, ovarian, and testicular carcinomas. Bonomi PD, et al.

*Cancer Treat Rep* 62(8):1211-3, Aug 78

Combination chemotherapy for ovarian carcinoma with cyclophosphamide, adriamycin, and

cis-dichlorodiammineplatinum(II) after failure of initial chemotherapy. Bruckner HW, et al. *Cancer Treat Rep* 62(7):1021-3, Jul 78

Adriamycin therapy for advanced ovarian carcinoma recurrent after chemotherapy. Hubbard SM, et al.

*Cancer Treat Rep* 62(9):1375-7, Sep 78

5-(125I)-iododeoxyuridine in experimental tumor therapy. pp. 177-83. Bloomer WD, et al.

In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.

Carcinosarcomas and mixed mesodermal tumors of the ovary: a clinicopathologic study of six cases. Ortega I, et al.

*Int J Gynaecol Obstet* 15(6):561-5, 1978

A temporary response of recurrent granulosa cell tumor to adriamycin. Disaia P, et al. *Obstet Gynecol* 52(3):355-8, Sep 78

## OVARIAN NEOPLASMS

## GONADS

Role of antitumor antibiotics in current oncologic practice. Davis HL Jr, et al. *Recent Results Cancer Res* 63:21-9, 1978 (73 ref.)

[A patient with severe deglutition complaints following cytostatic treatment] Boelen HJ, et al.

*Ned Tijdschr Geneesk* 122(34):1262-3, 26 Aug 78 (Dut)

[Actihaemyl with simultaneous cytostatic therapy] Limburg H, et al. *Fortschr Med* 96(36):1828, 28 Sep 78 (Ger)

[The chemotherapy of urologic neoplasms] Cavalli F. *Helv Chir Acta* 45(3):223-32, Jul 78 (43 ref.) (Eng. Abstr.) (Ger)

[Ovarian endometriosis: Its clinical and experimental aspects] Palatyński A. *Pol Tyg Lek* 33(30):1185-7, 24 Jul 78 (Pol)

### ETIOLOGY

Ovarian neoplasia in ornamental hybrid carp (Nishikigoi) in Japan. Ishikawa T, et al. *Ann NY Acad Sci* 298:330-41, 29 Sep 78

An overview of hormone-associated cancers. Miller AB.

*Cancer Res* 38(11 Pt 2):3985-90, Nov 78 (47 ref.)

Role of exogenous female hormones in altering the risk of benign and malignant neoplasms in humans. Thomas DB.

*Cancer Res* 38(11 Pt 2):3991-4000, Nov 78 (98 ref.)

Epidemiologic features of canine ovarian neoplasms. Hayes

HM Jr, et al. *Gynecol Oncol* 6(4):348-53, Aug 78

Tumours of the ovary. Carter RL, et al. *IARC Sci Publ* (6):189-200, 1976 (40 ref.)

Ovarian tumors in childhood and adolescence. Histological types and malignancy with reference to the age and menstrual activity of patients. Szamborski JJ. *Neoplasma* 25(4):493-9, 1978

[Dysghormonal tumors (a review of the literature)] Lekhtman MN. *Zdravookhr Kirg* (5):51-8, Sep-Oct 78 (Rus)

### FAMILIAL & GENETIC

Direct cloning of human ovarian carcinoma cells in agar.

Hamburger AW, et al. *Cancer Res* 38(10):3438-44, Oct 78

Familial ovarian carcinoma: a problem in genetic counselling. Nevo S. *Clin Genet* 14(4):219-22, Oct 78

Dysgerminoma—100% control with combined therapy in six consecutive patients with advanced disease. Marks RD, et al. *Int J Radiat Oncol Biol Phys* 4(5-6):453-6, May-Jun 78

Ovarian fibromata in four successive generations. Dumont-Herskowitz RA, et al. *J Pediatr* 93(4):621-4, Oct 78

### HISTORY

Classic pages in obstetrics and gynecology. Uterine fibroid with anomalous ovarian tumor. Henry MacNaughton-Jones. *Transactions of the Obstetrical Society of London*, vol. 40, pp. 154 and 213-214, 1898. *Am J Obstet Gynecol* 132(4):471-2, 15 Oct 78

### IMMUNOLOGY

Isolation of tumour-associated immunoglobulins from ascitic fluid. Hill R, et al. *Br J Cancer* 38(1):154-7, Jul 78

[Carcinoembryonic antigen in gynecological oncology] Stiglmayer R. *Fortschr Med* 96(37):1843-5, 5 Oct 78 (Eng. Abstr.) (Ger)

### METABOLISM

The effect of sex steroids on the in vitro synthesis of DNA by malignant ovarian tumours. Darwish DH.

*Br J Obstet Gynaecol* 85(8):627-33, Aug 78

### MORTALITY

Prognostic factors in malignant germ cell tumors of the ovary in children excluding pure dysgerminoma. Flamant F, et al. *Eur J Cancer* 14(8):901-6, Aug 78

[Treatment of cases of ovarian neoplasms in girls and adolescents] Komorowska A, et al. *Ginek Pol* 49(5):411-5, May 78 (Eng. Abstr.) (Pol)

### OCCURRENCE

Epidemiologic features of canine ovarian neoplasms. Hayes HM Jr, et al. *Gynecol Oncol* 6(4):348-53, Aug 78

[Morphologic distribution of tumors occurring in the canton of Vaud] Junod B, et al. *Soz Praeventivmed* 23(4):269-70, Aug 78 (Eng. Abstr.) (Fre)

### PATHOLOGY

Bilateral ovarian endometriosis associated with carcinosarcoma of the right ovary and endometrioid carcinoma of the left ovary. Marchevsky AM, et al.

*Am J Clin Pathol* 70(4):709-12, Oct 78

The effect of sex steroids on the in vitro synthesis of DNA by malignant ovarian tumours. Darwish DH.

*Br J Obstet Gynaecol* 85(8):627-33, Aug 78

Benign and low grade variants of mixed mesodermal tumor (adenosarcoma) of the ovary and adnexal region. Kao GF, et al. *Cancer* 42(3):1314-24, Sep 78

Direct cloning of human ovarian carcinoma cells in agar.

Hamburger AW, et al. *Cancer Res* 38(10):3438-44, Oct 78

Specificity of arrest, survival, and growth of selected metastatic variant cell lines. Nicolson GL, et al.

*Cancer Res* 38(11 Pt 2):4105-11, Nov 78 (48 ref.)

Carcinoma of the ovary [clinical conference] *Clin Bull* 8(2):67-70, 1978

Prognostic factors in malignant germ cell tumors of the ovary in children excluding pure dysgerminoma. Flamant F, et al.

*Eur J Cancer* 14(8):901-6, Aug 78

Paneth cells in a mucinous cystadenoma of the ovary: light and electron microscopic study. Bigelow B, et al.

*Gynecol Oncol* 6(4):391-4, Aug 78

Tumours of the ovary. Carter RL, et al. *IARC Sci Publ* (6):189-200, 1976 (40 ref.)

Carcinosarcomas and mixed mesodermal tumors of the ovary: a clinicopathologic study of six cases. Ortega I, et al.

*Int J Gynaecol Obstet* 15(6):561-5, 1978

Maximal radiation therapy by a new treatment technique for stage III ovarian cancer. Flink H, et al.

*Int J Radiat Oncol Biol Phys* 4(5-6):441-3, May-Jun 78

Ovarian fibromata in four successive generations. Dumont-Herskowitz RA, et al. *J Pediatr* 93(4):621-4, Oct 78

Ovarian cyst fenestration via laparoscopy. Kleppinger RK.

*J Reprod Med* 21(1):16-9, Jul 78

Ovarian tumors in childhood and adolescence. Histological types and malignancy with reference to the age and menstrual activity of patients. Szamborski JJ. *Neoplasma* 25(4):493-9, 1978

A temporary response of recurrent granulosa cell tumor to adriamycin. Disaia P, et al. *Obstet Gynecol* 52(3):355-8, Sep 78

[A primary malignant mixed germ cell tumor of the ovary] de Groot AW, et al. *Ned Tijdschr Geneesk* 122(43):1657-60, 28 Oct 78 (Eng. Abstr.) (Dut)

[2 cases of metastasis to an unusual site] Jadot JP, et al.

*Acta Urol Belg* 46(3):379-88, Jul 78 (Eng. Abstr.) (Fre)

[Morphologic distribution of tumors occurring in the canton of Vaud] Junod B, et al. *Soz Praeventivmed* 23(4):269-70, Aug 78 (Eng. Abstr.) (Fre)

[Endocrine aspects of ovarian cancer. II. Biochemical and histochemical examinations] Bergeleiter R?Liedtke MP, et al. *Zentralbl Gynaecol* 100(15):1004-7, 1978 (Eng. Abstr.) (Ger)

[Clinical-pathological relationships of potentially malignant cystadenomas of the ovaries] Gati E, et al.

*Zentralbl Gynaecol* 100(15):978-84, 1978 (Eng. Abstr.) (Ger)

[Histomorphological and histogenetic study of masculinizing mesenchymomas of the ovary] Boscaino N, et al.

*Arch De Vecchi Anat Patol* 135(3):359-68, Jul-Sep 78 (Ita)

[Metastasis of ovarian epithelial neoplasms as observed during surgery] Szamborski J, et al. *Ginek Pol* 49(6):517-24, Jun 78 (Eng. Abstr.) (Pol)

[Diagnosis of ovarian neoplasms at various stages of examination] Shuvaeva NI, et al. *Sov Med* (8):145-9, Aug 78 (Rus)

[Method of sedimentational-electrophoretic analysis of cell populations] Slivinskii GG. *Tsitologiya* 20(7):839-43, Jul 78 (Eng. Abstr.) (Rus)

[Tumors of the ovary. Clinico-pathological considerations] Sereno Coló JA, et al. *Ginecol Obstet Mex* 43(258):219-26, Apr 78 (Eng. Abstr.) (Spa)

[Brenner tumor in an 18-year-old-girl] Chistiakova MB. *Pediatr Akush Ginekol* (4):32, Jul-Aug 78 (Ukr)

### RADIOGRAPHY

Simplified bilateral selective catheterization of the uterine artery. Mohri M, et al. *Radiology* 129(1):239-41, Oct 78

### RADIONUCLIDE IMAGING

Positive imaging of arrhenoblastoma of the ovary with <sup>131</sup>I-Adosterol: case report. Nakajo M, et al.

*Radioisotopes* 27(7):407-9, Jul 78



# GONADS

# PSEUDOHERMAPHRODITI

[Struma ovarii] Pamich G. *Minerva Chir* 33(17):1131-6, 15 Sep 78 (Eng. Abstr.) (Ita)

## RADIOTHERAPY

5-(125I)-iododeoxyuridine in experimental tumor therapy. pp. 177-83. Bloomer WD, et al.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
Maximal radiation therapy by a new treatment technique for stage III ovarian cancer. Flink H, et al.  
*Int J Radiat Oncol Biol Phys* 4(5-6):441-3, May-Jun 78  
60Co moving strip technique in the management of carcinoma of the ovary: analysis of tumor control and morbidity. Perez CA, et al. *Int J Radiat Oncol Biol Phys* 4(5-6):379-88, May-Jun 78  
[Results of combined surgical-radiological therapy of ovarian carcinoma from the radiological viewpoint] Kloetzer KH, et al. *Zentralbl Gynaekol* 100(15):985-91, 1978 (Eng. Abstr.) (Ger)  
[Treatment of cases of ovarian neoplasms in girls and adolescents] Komorowska A, et al. *Ginekol Pol* 49(5):411-5, May 78 (Eng. Abstr.) (Pol)

## SECRETION

The fountain of youth or where is the estrogen coming from. Porter GS, et al. *J Indiana State Med Assoc* 71(10):997-8, Oct 78

## SURGERY

Improved prognosis in children with ovarian cancers following modified VAC (vincristine sulfate, dactinomycin, and cyclophosphamide) chemotherapy. Cangir A, et al. *Cancer* 42(3):1234-8, Sep 78  
Carcinoma of the ovary [clinical conference] *Clin Bull* 8(2):67-70, 1978  
Carcinosarcomas and mixed mesodermal tumors of the ovary: a clinicopathologic study of six cases. Ortega I, et al. *Int J Gynaecol Obstet* 15(6):561-5, 1978  
Radiologic seminar CLXXXIV: Brenner tumor of the ovary—ultrasound findings. Williams CO.  
*J Miss State Med Assoc* 19(9):168-9, Sep 78  
Pregnancy following removal and chemotherapy of ovarian endodermal sinus tumor. Forney JP. *Obstet Gynecol* 52(3):360-2, Sep 78  
[A primary malignant mixed germ cell tumor of the ovary] de Groot AW, et al. *Ned Tijdschr Geneesk* 122(43):1657-60, 28 Oct 78 (Eng. Abstr.) (Dut)  
[Iatrogenic lesions of the ureter after surgery in the true pelvis—therapeutic considerations (author's transl)] Jakse G, et al. *Urologe [A]* 17(5):286-91, Sep 78 (Eng. Abstr.) (Ger)

[Therapy and therapeutic results in malignant ovarian tumors (experience report 1945—1976)] Dahl J.  
*Zentralbl Gynaekol* 100(15):992-9, 1978 (Eng. Abstr.) (Ger)

[Results of combined surgical-radiological therapy of ovarian carcinoma from the radiological viewpoint] Kloetzer KH, et al. *Zentralbl Gynaekol* 100(15):985-91, 1978 (Eng. Abstr.) (Ger)

[Struma ovarii] Pamich G. *Minerva Chir* 33(17):1131-6, 15 Sep 78 (Eng. Abstr.) (Ita)

[Treatment of cases of ovarian neoplasms in girls and adolescents] Komorowska A, et al. *Ginekol Pol* 49(5):411-5, May 78 (Eng. Abstr.) (Pol)

[Metastasis of ovarian epithelial neoplasms as observed during surgery] Szamborski J, et al. *Ginekol Pol* 49(6):517-24, Jun 78 (Eng. Abstr.) (Pol)

[Importance of the surgical method in the overall treatment of endometriosis] Baskakov VP, et al.  
*Akush Ginekol (Mosk)* (8):60-2, Aug 78 (Eng. Abstr.) (Rus)

## THERAPY

Benign and low grade variants of mixed mesodermal tumor (adenosarcoma) of the ovary and adnexal region. Kao GF, et al. *Cancer* 42(3):1314-24, Sep 78  
Carcinoma of the ovary [clinical conference] *Clin Bull* 8(2):67-70, 1978

Dysgerminoma—100% control with combined therapy in six consecutive patients with advanced disease. Marks RD, et al. *Int J Radiat Oncol Biol Phys* 4(5-6):453-6, May-Jun 78

Pregnancy following removal and chemotherapy of ovarian endodermal sinus tumor. Forney JP. *Obstet Gynecol* 52(3):360-2, Sep 78

[Therapy and therapeutic results in malignant ovarian tumors

(experience report 1945—1976)] Dahl J.  
*Zentralbl Gynaekol* 100(15):992-9, 1978 (Eng. Abstr.) (Ger)

[Results of combined surgical-radiological therapy of ovarian carcinoma from the radiological viewpoint] Kloetzer KH, et al. *Zentralbl Gynaekol* 100(15):985-91, 1978 (Eng. Abstr.) (Ger)

[Therapy and prognosis of female genital sarcomas] Kubista E, et al. *Zentralbl Gynaekol* 100(15):971-7, 1978 (Eng. Abstr.) (Ger)

[Preliminary experience with TPA (tissue polypeptide antigen) in ovarian cancer] Hagbard L, et al. *Lakartidningen* 75(39):3433-5, 27 Sep 78 (Eng. Abstr.) (Swe)

## ULTRASTRUCTURE

Paneth cells in a mucinous cystadenoma of the ovary: light and electron microscopic study. Bigelow B, et al.  
*Gynecol Oncol* 6(4):391-4, Aug 78

[Various morphological aspects of germ cell tumors of the ovary in light and electron-microscopic pictures] Szamborski J, et al. *Patol Pol* 29(2):209-19, Apr-Jun 78 (Eng. Abstr.) (Pol)

## VETERINARY

Ovarian neoplasia in ornamental hybrid carp (Nishikigoi) in Japan. Ishikawa T, et al. *Ann NY Acad Sci* 298:330-41, 29 Sep 78

Epidemiologic features of canine ovarian neoplasms. Hayes HM Jr, et al. *Gynecol Oncol* 6(4):348-53, Aug 78

## OVARY

### ABNORMALITIES

[Dynamics of the malformation process in Mayer-Rokitansky-Küster-Hauser syndrome] Markovskii N, et al. *Akush Ginekol (Sofia)* 17(4):266-9, 1978 (Eng. Abstr.) (Bul)

### INJURIES

[Ovarian hemorrhage immediately following cholecystectomy] Kanadys W, et al. *Wiad Lek* 31(16):1179-80, 15 Aug 78 (Eng. Abstr.) (Pol)

## PRADER-WILLI SYNDROME

[Prader-Willi syndrome and Laurence-Moon-Biedl syndrome] Takeshita K. *Nippon Rinsbo Suppl*:1490-1, May 78 (Jpn)

### PHYSIOPATHOLOGY

[Studies of endocrinological function of testis. Report 2. Delayed puberty (author's transl)] Okuyama A.  
*Nippon Hinyokika Gakkai Zasshi* 69(6):686-92, Jun 78 (Eng. Abstr.) (Jpn)

## PSEUDOHERMAPHRODITISM

### COMPLICATIONS

Seminoma of undescended testis in a male pseudohermaphrodite. Sengupta P, et al.  
*J Indian Med Assoc* 70(8):184-6, 16 Apr 78  
Urovagina associated with female pseudohermaphroditism in four bitches from one litter. Rothuizen J, et al.  
*Tijdschr Diergeneesk* 103(20):1109-13, 15 Oct 78

### DIAGNOSIS

[Hermaphroditism: its pathogenesis, clinical picture and the means of therapy] Rozovskii IS, et al.  
*Akush Ginekol (Mosk)* (8):67-73, Aug 78 (Rus)

### ENZYMOLGY

Hereditary male pseudohermaphroditism associated with an unstable form of 5 alpha-reductase. Leshin M, et al.  
*J Clin Invest* 62(3):685-91, Sep 78

## ETIOLOGY

[Hermaphroditism: its pathogenesis, clinical picture and the means of therapy] Rozovskii IS, et al.  
Akush Ginekol (Mosk) 8(8):67-73, Aug 78 (Rus)

## FAMILIAL &amp; GENETIC

Hereditary male pseudohermaphroditism associated with an unstable form of 5 alpha-reductase. Leshin M, et al.  
J Clin Invest 62(3):685-91, Sep 78  
Urovagina associated with female pseudohermaphroditism in four bitches from one litter. Rothuizen J, et al.  
Tijdschr Diergeneesk 103(20):1109-13, 15 Oct 78

## SURGERY

[Treatment of male pseudohermaphroditism] Baruchin A, et al.  
Harefuah 94(11):375-8, 1 Jun 78 (Eng. Abstr.) (Heb)

## URINE

[Male pseudohermaphroditism and arterial hypertension: defect in the 17-alpha hydroxylation] Santillana López T, et al.  
Rev Clin Esp 149(5):499-505, 15 Jun 78 (Spa)

## VETERINARY

Urovagina associated with female pseudohermaphroditism in four bitches from one litter. Rothuizen J, et al.  
Tijdschr Diergeneesk 103(20):1109-13, 15 Oct 78

## PUBERTY, PRECOCIOUS

## COMPLICATIONS

[A case of Albright's syndrome] Pilak M, et al.  
Czas Stomatol 31(8):763-7, Aug 78 (Eng. Abstr.) (Pol)

## DIAGNOSIS

Ultrasonic diagnosis of gynecologic disorders in children.  
Haller JO, et al. Pediatrics 62(3):339-42, Sep 78  
[Examination of the vulva of small girls. A too often neglected examination] Sersiron D. Sem Hop Paris 54(17-20):669-73, Jun 78 (Eng. Abstr.) (Fre)

## ETIOLOGY

Hyperprolactinaemia in a boy with hypothyroidism due to an ectopic thyroid. Roitman A, et al. Acta Paediatr Belg 31(3):155-7, Jul-Sep 78

## PHYSIOPATHOLOGY

[Estimation of androgenic functions of the adrenal cortex and gonads in selected forms of genital abnormalities in children and adolescents] Pawlaczyk B. Endokrynol Pol 29(4):347-52, Jul-Aug 78 (Pol)

## SERTOLI CELL TUMOR

## DRUG THERAPY

Improved prognosis in children with ovarian cancers following modified VAC (vincristine sulfate, dactinomycin, and cyclophosphamide) chemotherapy. Cangir A, et al.  
Cancer 42(3):1234-8, Sep 78

## PATHOLOGY

Tumours of the testis. Mostofi FK, et al. IARC Sci Publ 6(6):135-50, 1976 (57 ref.)

## VETERINARY

Environmental carcinogenesis studies in fishes of the Great Lakes of North America. Sonstegard RA.  
Ann NY Acad Sci 298:261-9, 29 Sep 78

## SEX CHROMOSOME ABNORMALITIES

Tremor in XYY and XXY men. Boisen E, et al.  
Acta Neurol Scand 58(1):66-73, Jul 78

X chromosome complement and serum levels of IgM in man and mouse. Adinolfi M, et al. J Immunogenet 5(3):149-56, Jun 78

The 48,XXXXY syndrome. Sørensen K, et al.

J Ment Defic Res 22(3):197-205, Sep 78  
Heritable disorders of connective tissue: Ehlers-Danlos syndrome. Hollister DW. Pediatr Clin North Am 25(3):575-91, Aug 78 (30 ref.)

Toward an understanding of female criminality. Widom CS.  
Prog Exp Pers Res 8:245-308, 1978 (153 ref.)

[Turner's syndrome, Turner-like syndrome and XO/XY mosaicism] Iinuma K, et al. Nippon Rinsho Suppl:1460-1, May 78 (Jpn)

[XXX, XXXXX and XYY syndromes] Matsui I, et al.  
Nippon Rinsho Suppl:1464-5, May 78 (Jpn)

[Klinefelter's syndrome and XXXXY syndrome] Sasaki K, et al. Nippon Rinsho Suppl:1462-3, May 78 (Jpn)

[Cytogenetic study of 6,000 newborn infants] Kuleshov NP, et al. Genetika 14(2):340-7, Feb 78 (Eng. Abstr.) (Rus)

[Quantitative analysis of the dynamics of mitotic spiralization of human chromosomes and karyotype individuality] Deriagin GV, et al. Tsitologiya 20(7):453-8, Jul 78 (Eng. Abstr.) (Rus)

## CEREBROSPINAL FLUID

Biogenic amines in 47, XYY syndrome. Bioulac B, et al.  
Neuropsychobiology 4(6):366-70, 1978

## COMPLICATIONS

Hypostatic ulceration and male sex chromosomal anomalies [letter] Br Med J 2(6134):434, 5 Aug 78

XXX syndrome associated with immunoglobulin deficiency and epilepsy. Sills JA, et al. J Pediatr 93(3):469-71, Sep 78

[Turner's syndrome with generalized arterial hypertension, pseudocoarctation of the aorta (kinking) and a ring-form X chromosome] Nivelon JL, et al. Pediatrie 33(4):383-92, Jun 78 (Eng. Abstr.) (Fre)

## DIAGNOSIS

Two true hermaphrodites with XX chromosomes. Gripenberg U, et al. East Afr Med J 55(8):373-9, Aug 78

The pure gonadal dysgenesis syndrome. Favez JA.  
Int J Gynaecol Obstet 15(6):550-3, 1978

Prenatal genetic diagnosis: nine years experience. Henry GP, et al. Obstet Gynecol Surv 33(9):569-77, Sep 78

Prenatal diagnosis of hereditary disorders. Miles JH, et al. Pediatr Clin North Am 25(3):593-618, Aug 78 (218 ref.)

[Diagnosis of chromosome abnormalities in Denmark] Nielsen J. Ugeskr Laeger 140(41):2495-99, 9 Oct 78 (Eng. Abstr.) (Dan)

[Menstruation disorders] Rolland R.  
Ned Tijdschr Geneesk 122(40):1497-500, 7 Oct 78 (Dut)

[Turner's syndrome with generalized arterial hypertension, pseudocoarctation of the aorta (kinking) and a ring-form X chromosome] Nivelon JL, et al. Pediatrie 33(4):383-92, Jun 78 (Eng. Abstr.) (Fre)

[Indications for chromosome analysis] Passarge E.  
Internist (Berlin) 19(8):445-51, Aug 78 (Ger)

[Diagnostic value of particular symptoms in monosomy X. Evaluated on the basis of experiences with 34 own cases (author's transl)] Némethová V, et al.  
Monatsschr Kinderheilkd 126(10):616-21, Oct 78 (Eng. Abstr.) (Ger)

## EMBRYOLOGY

Genetically determined sex-reversal in 46,XY humans.  
German J, et al. Science 202(4363):53-6, 6 Oct 78

## FAMILIAL &amp; GENETIC

An XYY boy with short stature and a case of Klinefelter's syndrome (XXY) in a family with inversion 9. Faed MJ, et al. Clin Genet 14(4):241-5, Oct 78

Chromosomes and leukaemia [editorial] Lancet 2(8094):823-4, 14 Oct 78

Incidence of 47,XYY males: implications of the production of 47,XYY offspring by 47,XYY males. Dorus E, et al.  
Soc Biol 25(2):87-93, Summer 78



## METABOLISM

- Biogenic amines in 47, XYY syndrome. Bioulac B, et al. *Neuropsychobiology* 4(6):366-70, 1978

## OCCURRENCE

- Incidence of 47,XYY karyotype in a consecutive series of newborn males in Tokyo. Iijima K, et al. *Hum Genet* 43(2):211-4, 31 Aug 78
- Study of sex chromosomal aneuploidy in an Indian prison population. Verma IC, et al. *Indian J Med Res* 67:493-8, Mar 78
- The 48,XXYY syndrome. Sørensen K, et al. *J Ment Defic Res* 22(3):197-205, Sep 78
- Cytogenetic studies in Papua New Guinea [letter] Woodliff HJ, et al. *Papua New Guinea Med J* 21(2):216, Jun 78
- Incidence of 47,XYY males: implications of the production of 47,XYY offspring by 47,XYY males. Dorus E, et al. *Soc Biol* 25(2):87-93, Summer 78
- [Diagnosis of chromosome abnormalities in Denmark] Nielsen J. *Ugeskr Læger* 140(41):2495-99, 9 Oct 78 (Eng. Abstr.) (Dan)

## PHYSIOPATHOLOGY

- Prolactin secretion in XYY males [letter] Benezech M, et al. *Lancet* 2(8095):899, 21 Oct 78
- Neurophysiological study of 47, XYY and 47, XXY psychopaths: contingent negative variation, evoked potentials and motor nerve conduction. Paty J, et al. *Neuropsychobiology* 4(6):321-27, 1978

## PSYCHOLOGY

- EEG studies in male polygynomic psychopaths (47, XYY and 47, XXY). Paty J, et al. *Br J Psychiatry* 133:285-6, Sep 78

## SURGERY

- Two true hermaphrodites with XX chromosomes. Gripenberg U, et al. *East Afr Med J* 55(8):373-9, Aug 78

## SEX DIFFERENTIATION DISORDERS

## EMBRYOLOGY

- Genetically determined sex-reversal in 46,XY humans. German J, et al. *Science* 202(4363):53-6, 6 Oct 78

## FAMILIAL &amp; GENETIC

- Genetically determined sex-reversal in 46,XY humans. German J, et al. *Science* 202(4363):53-6, 6 Oct 78

## PHYSIOPATHOLOGY

- [Estimation of androgenic functions of the adrenal cortex and gonads in selected forms of genital abnormalities in children and adolescents] Pawlaczek B. *Endokrynol Pol* 29(4):347-52, Jul-Aug 78 (Pol)

## STEIN-LEVENTHAL SYNDROME

- [Polycystic ovary syndrome] Kurachi K. *Nippon Rinsbo Suppl*:1594-5, May 78 (Jpn)

## BLOOD

- [Effect of dexamethasone on blood level of FSH and LH in patients with hirsutism and patients with Stein-Leventhal syndrome] Zieleniewski J, et al. *Endokrynol Pol* 29(4):305-11, Jul-Aug 78 (Eng. Abstr.) (Pol)
- [Change in the estradiol, progesterone and testosterone levels in the blood plasma in Stein-Leventhal syndrome] Dokumov S, et al. *Akush Ginekol (Mosk)* (8):33-5, Aug 78 (Rus)

## DIAGNOSIS

- [Method of performing culdoscopy under x-ray control] Mirkov K, et al. *Akush Ginekol (Sofia)* 17(4):269-76, 1978 (Eng. Abstr.) (Bul)
- [Relation between the results of LHRH tests and ovarian biopsies in dystrophic syndromes and Stein-Leventhal

syndromes] Bruhat MA, et al.

- J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):738-43, Apr 78 (Fre)

## PATHOLOGY

- [Relation between the results of LHRH tests and ovarian biopsies in dystrophic syndromes and Stein-Leventhal syndromes] Bruhat MA, et al. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):738-43, Apr 78 (Fre)

## STRUMA OVARIUM

## DIAGNOSIS

- [Struma ovarii] Veljanovski A, et al. *Jugosl Ginekol Opstet* 17(4):233-4, Jul-Aug 77 (Eng. Abstr.) (Ser)

## TESTICULAR DISEASES

- The relationship between alcohol, liver disease, and testicular pathology. Kuller LH, et al. *Am J Epidemiol* 108(3):192-9, Sep 78

## CHEMICALLY INDUCED

- The protective effect of selenium on cadmium-induced injury to normal and cryptorchid testes in the rat. Niewenhuys RJ, et al. *Biol Reprod* 19(1):1-7, Aug 78
- [Testicular lesions in rats treated with an iron-chelating agent (alpha,alpha-dipyridyl)] Palmieri G, et al. *Boll Soc Ital Biol Sper* 54(3):229-32, 15 Feb 78 (Ita)

## COMPLICATIONS

- [Testicular varicocele and infertility: the unsolved problem] Weiss SB, et al. *Harefuah* 94(10):330-2, 15 May 78 (66 ref.) (Heb)

## DIAGNOSIS

- Unusual presentation of genital tuberculosis. Stanic TH, et al. *Urology* 12(3):351-3, Sep 78

## DRUG THERAPY

- Treatment of testicular hypofunction with gonadotrophic hormones. Lábady F. *Int Urol Nephrol* 10(2):125-30, 1978

## ETIOLOGY

- [Clinical aspects of surgery for varicocele] von Rütte B. *Helv Chir Acta* 45(3):335-8, Jul 78 (Ger)
- [Thymic deficiency and autoimmune diseases of the endocrine organs] Nishizuka Y. *Horumon To Rinsbo* 26(8):731-6, Aug 78 (13 ref.) (Jpn)

## PATHOLOGY

- The relationship between alcohol, liver disease, and testicular pathology. Kuller LH, et al. *Am J Epidemiol* 108(3):192-9, Sep 78
- The Sertoli cell index as a measure of testicular degeneration in the bull. Kumi-Diaka J, et al. *Vet Rec* 103(6):112-4, 5 Aug 78
- [Simple epidermoid cyst of the testicle] Sanjuan-Laorden C, et al. *Actas Urol Esp* 2(4):187-8, Jul-Aug 78 (Eng. Abstr.) (Spa)
- [Torsion of a pediculated hydatid of Morgagni: report of 2 new cases] Virseda JA, et al. *Actas Urol Esp* 2(4):183-6, Jul-Aug 78 (Eng. Abstr.) (Spa)
- [Testicular histopathological changes in chronic alcoholism] Schaposnik F, et al. *Rev Clin Esp* 150(1-2):35-8, Jul 78 (Eng. Abstr.) (Spa)

## SURGERY

- [Torsion of a pediculated hydatid of Morgagni: report of 2 new cases] Virseda JA, et al. *Actas Urol Esp* 2(4):183-6, Jul-Aug 78 (Eng. Abstr.) (Spa)

## VETERINARY

- The Sertoli cell index as a measure of testicular degeneration

## TESTICULAR DISEASES

in the bull. Kumi-Diaka J, et al. *Vet Rec* 103(6):112-4, 5 Aug 78

## TESTICULAR FEMINIZATION

Bisexuality and the problem of its social acceptance. Austin CR. *J Med Ethics* 4(3):132-7, Sep 78

[Testicular feminization] Okamoto S, et al. *Nippon Rinsho Suppl*:1510-1, May 78 (Jpn)

### COMPLICATIONS

[Anomalies of the colour vision of women as an indication of testicular feminisation (author's transl)] Geissendörfer T, et al. *Klin Monatsbl Augenheilkd* 173(2):256-8, Aug 78 (Eng. Abstr.) (Ger)

### DIAGNOSIS

[Anomalies of the colour vision of women as an indication of testicular feminisation (author's transl)] Geissendörfer T, et al. *Klin Monatsbl Augenheilkd* 173(2):256-8, Aug 78 (Eng. Abstr.) (Ger)

[Hermaphroditism: its pathogenesis, clinical picture and the means of therapy] Rozovskii IS, et al. *Akush Ginekol (Mosk)* (8):67-73, Aug 78 (Rus)

### EMBRYOLOGY

Microscopic epididymides in testicular feminisation. Blecher SR. *Nature* 275(5682):748-9, 26 Oct 78

### ETIOLOGY

[Hermaphroditism: its pathogenesis, clinical picture and the means of therapy] Rozovskii IS, et al. *Akush Ginekol (Mosk)* (8):67-73, Aug 78 (Rus)

### FAMILIAL & GENETIC

Microscopic epididymides in testicular feminisation. Blecher SR. *Nature* 275(5682):748-9, 26 Oct 78

### PATHOLOGY

Microscopic epididymides in testicular feminisation. Blecher SR. *Nature* 275(5682):748-9, 26 Oct 78

## TESTICULAR NEOPLASMS

Current concepts in management of testicular tumor. Javadpour N. *Urol Surv* 28(3):89-94, Jun 78

[Malignant testicular tumors (author's transl)] Schmucki O. *Ther Umsch* 35(10):849-53, Oct 78 (Eng. Abstr.) (Ger)

[Primary carcinoid of the testis. Clinical case] Goglio R, et al. *Chir Ital* 30(3):286-93, Jun 78 (Eng. Abstr.) (Ita)

[Testicular tumors] Kossakowski JS. *Pieleg Polozna* (8):6-7, 1978 (Pol)

[Inguino-scrotal displacement of the intestine associated with peritoneal developmental anomaly] Osemlak J, et al. *Pol Przegl Chir* 50(5):437-9, May 78 (Eng. Abstr.) (Pol)

[Tumors of the testicle: various comments of their etiological and evolutive aspects, and therapeutic results in a review of 360 cases] Benlloch Navarro R. *Arch Esp Urol* 31(3):247-62, May-Jun 78 (Eng. Abstr.) (Spa)

### ANALYSIS

Human alpha-fetoprotein and the estrogen receptor assay [letter] Kiang DT, et al. *Cancer Res* 38(10):3566-7, Oct 78

### BLOOD

Correlation of computed tomography and serum tumor markers in metastatic retroperitoneal testicular tumor. Javadpour N, et al. *J Comput Assist Tomogr* 2(2):176-80, Apr 78

Current concepts in management of testicular tumor. Javadpour N. *Urol Surv* 28(3):89-94, Jun 78

Biologic tumor markers in management of testicular and bladder cancer. Javadpour N. *Urology* 12(2):177-83, Aug 78

### CHEMICALLY INDUCED

A study of the capacity for regeneration of rat and human

## GONADS

Leydig cells. Senge T, et al. *Urol Res* 6(3):167-71, 1 Sep 78

### COMPLICATIONS

Seminoma of undescended testis in a male pseudohermaphrodite. Sengupta P, et al.

*J Indian Med Assoc* 70(8):184-6, 16 Apr 78

Intracardiac metastatic testicular reticulum-cell sarcoma presenting cyanosis. Lukash F, et al. *NY State J Med* 78(11):1757-9, Sep 78

### DIAGNOSIS

Immunocytochemical localization of oncodevelopmental proteins in human germ cell and hepatic tumors. Palmer PE, et al. *J Histochem Cytochem* 26(7):523-31, Jul 78

Current concepts in management of testicular tumor. Javadpour N. *Urol Surv* 28(3):89-94, Jun 78

Unusual presentation of genital tuberculosis. Stanic TH, et al. *Urology* 12(3):351-3, Sep 78

[Diagnosis of testicular neoplasms] Battke H, et al. *Z Aerzt Fortbild (Jena)* 72(17):849-51, 1 Sep 78

[Results of diagnostic exposure of the testes] Sinagowitz E, et al. *Helv Chir Acta* 45(3):371-2, Jul 78 (Ger)

[Simple epidermoid cyst of the testicle] Sanjuan-Laorden C, et al. *Actas Urol Esp* 2(4):187-8, Jul-Aug 78 (Eng. Abstr.) (Spa)

### DRUG THERAPY

Chemotherapy of disseminated testicular cancer. Williams SD, et al. *Ariz Med* 35(9):595-7, Sep 78

Phase II trial adriamycin and cis-dichlorodiammineplatinum(II) in squamous cell, ovarian, and testicular carcinomas. Bonomi PD, et al.

*Cancer Treat Rep* 62(8):1211-3, Aug 78

Phase I trial of vindesine in patients with advanced cancer. Currie VE, et al. *Cancer Treat Rep* 62(9):1333-6, Sep 78

Combination chemotherapy with cis-dichlorodiammineplatinum(II) and adriamycin for testicular cancer refractory to vinblastine plus bleomycin.

Einhorn LH, et al. *Cancer Treat Rep* 62(9):1351-3, Sep 78

Role of antitumor antibiotics in current oncologic practice. Davis HL Jr, et al. *Recent Results Cancer Res* 63:21-9, 1978 (73 ref.)

A review of the bleomycin experience in the United States. Friedman MA. *Recent Results Cancer Res* 63:152-68, 1978 (74 ref.)

Management of testis tumors. Belis JA, et al. *W Va Med J* 74(10):259-63, Oct 78

[Megavolt treatment supplemented by chemotherapy of testicular tumors other than seminomas] Engelholm SA, et al. *Ugeskr Laeger* 140(42):2569-72, 16 Oct 78 (Eng. Abstr.) (Dan)

[The chemotherapy of urologic neoplasms] Cavalli F. *Helv Chir Acta* 45(3):223-32, Jul 78 (43 ref.) (Eng. Abstr.) (Ger)

[Clinical experiences with holoxan within the framework of sequential combination therapy (author's transl)] Hartwich G, et al. *Med Klin* 73(36):1247-52, 8 Sep 78 (Eng. Abstr.) (Ger)

[Testicular tumors] Kossakowski JS. *Pieleg Polozna* (8):6-7, 1978 (Pol)

[Tumors of the testicle: various comments of their etiological and evolutive aspects, and therapeutic results in a review of 360 cases] Benlloch Navarro R. *Arch Esp Urol* 31(3):247-62, May-Jun 78 (Eng. Abstr.) (Spa)

### ETIOLOGY

Tumours of the testis. Mostofi FK, et al. *IARC Sci Publ* (6):135-50, 1976 (57 ref.)

Cryptorchidism and testicular neoplasia. Green R, et al. *J Natl Med Assoc* 70(9):659-64, Sep 78

[Tumors of the testicle: various comments of their etiological and evolutive aspects, and therapeutic results in a review of 360 cases] Benlloch Navarro R. *Arch Esp Urol* 31(3):247-62, May-Jun 78 (Eng. Abstr.) (Spa)

### METABOLISM

Structure of normal testis and testicular tumors in cyprinids from Lake Ontario. Leatherland JF, et al. *Cancer Res* 38(10):3164-73, Oct 78

### MORTALITY

The current management of advanced testicular cancers. Wajzman Z, et al. *Urol Surv* 28(4):127-33, Aug 78



- [Megavolt treatment supplemented by chemotherapy of testicular tumors other than seminomas] Engelholm SA, et al. *Ugeskr Laeger* 140(42):2569-72, 16 Oct 78 (Eng. Abstr.) (Dan)
- [Megavolt treatment of stage I and II seminoma of the testis] Engelholm SA, et al. *Ugeskr Laeger* 140(42):2567-9, 16 Oct 78 (Eng. Abstr.) (Dan)

## OCCURRENCE

- Testicular and paratesticular tumours in Kenya. Zimmerman RR, et al. *East Afr Med J* 55(5):205-10, May 78
- [The Danish Testis Cancer Project] Schultz HP, et al. *Ugeskr Laeger* 140(42):2563-66, 16 Oct 78 (Eng. Abstr.) (Dan)
- [Morphologic distribution of tumors occurring in the canton of Vaud] Junod B, et al. *Soz Praeventivmed* 23(4):269-70, Aug 78 (Eng. Abstr.) (Fre)
- [Tumors of the testicle: various comments of their etiological and evolutive aspects, and therapeutic results in a review of 360 cases] Benlloch Navarro R. *Arch Esp Urol* 31(3):247-62, May-Jun 78 (Eng. Abstr.) (Spa)

## PATHOLOGY

- Structure of normal testis and testicular tumors in cyprinids from Lake Ontario. Leatherland JF, et al. *Cancer Res* 38(10):3164-73, Oct 78
- Tumours of the testis. Mostofi FK, et al. *IARC Sci Publ* (6):135-50, 1976 (57 ref.)
- Correlation of computed tomography and serum tumor markers in metastatic retroperitoneal testicular tumor. Javadpour N, et al. *J Comput Assist Tomogr* 2(2):176-80, Apr 78
- Tumors of testis in elderly men [letter] Melicow MM. *J Urol* 120(4):511, Oct 78
- Current concepts in management of testicular tumor. Javadpour N. *Urol Surv* 28(3):89-94, Jun 78
- The current management of advanced testicular cancers. Wajsman Z, et al. *Urol Surv* 28(4):127-33, Aug 78
- Gonadal stromal tumor in black male. Laidlaw G, et al. *Urology* 12(3):356-8, Sep 78
- [The Danish Testis Cancer Project] Schultz HP, et al. *Ugeskr Laeger* 140(42):2563-66, 16 Oct 78 (Eng. Abstr.) (Dan)
- [Morphologic distribution of tumors occurring in the canton of Vaud] Junod B, et al. *Soz Praeventivmed* 23(4):269-70, Aug 78 (Eng. Abstr.) (Fre)
- [Morphology and histogenesis of adenomatoid tumors of the genitalia. (Including case report of pregnancy)] Thurner J. *Wien Med Wochenschr* 128(15):482-8, 15 Aug 78 (Ger)
- [Value of lymphography in patients with tumours of the testis (author's transl)] Horňák M, et al. *Bratisl Lek Listy* 70(1):83-90, Jul 78 (Eng. Abstr.) (Slo)
- [Testicular seminoma: its treatment and results in 33 cases] Valls Fontanals A, et al. *Actas Urol Esp* 2(4):179-82, Jul-Aug 78 (Eng. Abstr.) (Spa)

## PREVENTION &amp; CONTROL

- [Diagnosis of testicular neoplasms] Battke H, et al. *Z Aerztl Fortbild (Jena)* 72(17):849-51, 1 Sep 78

## RADIOGRAPHY

- Management of testis tumors. Belis JA, et al. *W Va Med J* 74(10):259-63, Oct 78
- [Value of isotopic lymphography in the investigation of urologic cancers: therapeutic implications] Tawil E, et al. *Union Med Can* 107(9):845-8, Sep 78 (Eng. Abstr.) (Fre)
- [Value of lymphography in patients with tumours of the testis (author's transl)] Horňák M, et al. *Bratisl Lek Listy* 70(1):83-90, Jul 78 (Eng. Abstr.) (Slo)

## RADIONUCLIDE IMAGING

- [Value of isotopic lymphography in the investigation of urologic cancers: therapeutic implications] Tawil E, et al. *Union Med Can* 107(9):845-8, Sep 78 (Eng. Abstr.) (Fre)

## RADIOTHERAPY

- Hydrocele formation after sandwich irradiation therapy for testicular tumor. Streit CC, et al. *Urology* 12(2):222-4, Aug 78
- [Megavolt treatment supplemented by chemotherapy of testicular tumors other than seminomas] Engelholm SA, et al. *Ugeskr Laeger* 140(42):2569-72, 16 Oct 78 (Eng. Abstr.) (Dan)
- [Megavolt treatment of stage I and II seminoma of the testis]

- Engelholm SA, et al. *Ugeskr Laeger* 140(42):2567-9, 16 Oct 78 (Eng. Abstr.) (Dan)
- [Computer tomography for TNM based radiation planning of urological tumours (author's transl)] Ammon J, et al. *ROEFO* 129(2):253-9, Aug 78 (Eng. Abstr.) (Ger)
- [Testicular seminoma: its treatment and results in 33 cases] Valls Fontanals A, et al. *Actas Urol Esp* 2(4):179-82, Jul-Aug 78 (Eng. Abstr.) (Spa)

## SURGERY

- Hydrocele formation after sandwich irradiation therapy for testicular tumor. Streit CC, et al. *Urology* 12(2):222-4, Aug 78
- Management of testis tumors. Belis JA, et al. *W Va Med J* 74(10):259-63, Oct 78
- [Malignant testicular tumors (author's transl)] Schmucki O. *Ther Umsch* 35(10):849-53, Oct 78 (Eng. Abstr.) (Ger)
- [Testicular tumors] Kossakowski JS. *Pieleg Polozna* (8):6-7, 1978 (Pol)
- [Testicular seminoma: its treatment and results in 33 cases] Valls Fontanals A, et al. *Actas Urol Esp* 2(4):179-82, Jul-Aug 78 (Eng. Abstr.) (Spa)
- [Tumors of the testicle: various comments of their etiological and evolutive aspects, and therapeutic results in a review of 360 cases] Benlloch Navarro R. *Arch Esp Urol* 31(3):247-62, May-Jun 78 (Eng. Abstr.) (Spa)

## THERAPY

- Three to ten years after cessation of therapy in children with leukemia. Simone JV, et al. *Cancer* 42(2 Suppl):839-44, Aug 78
- Genitourinary disorders. Prout GR Jr. *Compr Ther* 4(8):5-9, Aug 78
- Current concepts in management of testicular tumor. Javadpour N. *Urol Surv* 28(3):89-94, Jun 78
- The current management of advanced testicular cancers. Wajsman Z, et al. *Urol Surv* 28(4):127-33, Aug 78
- Management of testis tumors. Belis JA, et al. *W Va Med J* 74(10):259-63, Oct 78
- [The Danish Testis Cancer Project] Schultz HP, et al. *Ugeskr Laeger* 140(42):2563-66, 16 Oct 78 (Eng. Abstr.) (Dan)

## VETERINARY

- Environmental carcinogenesis studies in fishes of the Great Lakes of North America. Sonstegard RA. *Ann NY Acad Sci* 298:261-9, 29 Sep 78
- Structure of normal testis and testicular tumors in cyprinids from Lake Ontario. Leatherland JF, et al. *Cancer Res* 38(10):3164-73, Oct 78

## TESTIS

## ABNORMALITIES

- Congenital cystic adenomatoid malformation of the lung associated with abdominal musculature deficiency (prune belly). Wilson SK, et al. *Pediatrics* 62(3):421-3, Sep 78
- Current concepts of the undescended testis. Shapiro SR, et al. *Surg Gynecol Obstet* 147(4):617-25, Oct 78 (109 ref.)
- [Prune belly syndrome and abnormality of the urogenital system] Yoshida O, et al. *Nippon Rinsho Suppl*:2332-3, May 78 (Jpn)

## INJURIES

- [Emergency diseases of male genital organs] Schulman CC. *Brux Med* 58(9):457-8, Sep 78 (Fre)
- [Case report on acute scrotum] Delsen J. *Helv Chir Acta* 45(3):373-4, Jul 78 (Eng. Abstr.) (Ger)
- [Traumatic rupture of the testicle] Polo G, et al. *Actas Urol Esp* 2(4):189-92, Jul-Aug 78 (Eng. Abstr.) (Spa)

## THECA CELL TUMOR

## PATHOLOGY

- Tumours of the testis. Mostofi FK, et al. *IARC Sci Publ* (6):135-50, 1976 (57 ref.)

## THECA CELL TUMOR

### VETERINARY

- Ovarian neoplasia in ornamental hybrid carp (Nishikigoi) in Japan. Ishikawa T, et al. *Ann NY Acad Sci* 298:330-41, 29 Sep 78

## TURNER'S SYNDROME

- [Turner's syndrome, Turner-like syndrome and XO/XY mosaicism] Iinuma K, et al. *Nippon Rinsho Suppl*:1460-1, May 78 (Jpn)

### BLOOD

- [Endocrinological studies of Turner's syndrome] Suzuki J, et al. *Horumon To Rinsho* 26(1):73-7, Jan 78 (Jpn)

### COMPLICATIONS

- A study of dwarfism with special reference to chromosomal aberrations. Phadke MA, et al. *Indian Pediatr* 15(5):409-12, May 78
- Thoracoabdominal ectopia cordis with mosaic Turner's syndrome: Report of a case. Garson A Jr, et al. *Pediatrics* 62(2):218-21, Aug 78
- [Turner's syndrome with generalized arterial hypertension, pseudocoarctation of the aorta (kinking) and a ring-form X chromosome] Nivelon JL, et al. *Pediatric* 33(4):383-92, Jun 78 (Eng. Abstr.) (Fre)
- [A case report of perineurial sacral cyst associated with a mosaic of Turner's syndrome (author's transl)] Yoshida K, et al. *Rinsho Shinkeigaku* 18(6):305-11, Jun 78 (Eng. Abstr.) (Jpn)
- [XOXY gonadal dysgenesis. 2 new cases] Ferro MT, et al. *Rev Clin Esp* 149(4):339-43, 31 May 78 (Spa)

### DIAGNOSIS

- The pure gonadal dysgenesis syndrome. Favez JA. *Int J Gynaecol Obstet* 15(6):550-3, 1978
- Thoracoabdominal ectopia cordis with mosaic Turner's syndrome: Report of a case. Garson A Jr, et al. *Pediatrics* 62(2):218-21, Aug 78
- [3 recent cases of Noonan's syndrome] Vellieux F, et al. *Sem Hop Paris* 54(5-8):335-43, Mar 78 (Eng. Abstr.) (Fre)
- [Hermaphroditism: its pathogenesis, clinical picture and the means of therapy] Rozovskiĭ IS, et al. *Akush Ginekol (Mosk)* (8):67-73, Aug 78 (Rus)
- [XOXY gonadal dysgenesis. 2 new cases] Ferro MT, et al. *Rev Clin Esp* 149(4):339-43, 31 May 78 (Spa)

### DRUG THERAPY

- Oestrogen treatment and subsequent pregnancy in two patients with severe hypergonadotrophic ovarian failure. Starup J, et al. *Acta Endocrinol (Copenh)* 89(1):149-57, Sep 78
- Endometrial carcinoma in gonadal dysgenesis with and without estrogen therapy. Östör AG, et al. *Gynecol Oncol* 6(4):316-27, Aug 78
- The pure gonadal dysgenesis syndrome. Favez JA. *Int J Gynaecol Obstet* 15(6):550-3, 1978

### EMBRYOLOGY

- Genetically determined sex-reversal in 46,XY humans. German J, et al. *Science* 202(4363):53-6, 6 Oct 78

### ETIOLOGY

- [Hermaphroditism: its pathogenesis, clinical picture and the means of therapy] Rozovskiĭ IS, et al. *Akush Ginekol (Mosk)* (8):67-73, Aug 78 (Rus)

### FAMILIAL & GENETIC

- Familial Turner syndrome. Leichtman DA, et al. *Ann Intern Med* 89(4):473-6, Oct 78
- 46,XY pure gonadal dysgenesis with non-fluorescent Y chromosome. Gaál M, et al. *Clin Genet* 14(2):83-9, Aug 78
- X chromosome complement and serum levels of IgM in man and mouse. Adinolfi M, et al. *J Immunogenet* 5(3):149-56, Jun 78
- Genetically determined sex-reversal in 46,XY humans. German J, et al. *Science* 202(4363):53-6, 6 Oct 78
- [A case report of perineurial sacral cyst associated with a mosaic of Turner's syndrome (author's transl)] Yoshida K, et al. *Rinsho Shinkeigaku* 18(6):305-11, Jun 78 (Eng. Abstr.)

## GONADS

- [Chromosome Y mapping] Boczkowski K. *Pol Tyg Lek* 33(36):1429-31, 4 Sep 78 (Jpn) (Pol)

### IMMUNOLOGY

- [Cellular and humoral immunity in children with Turner's syndrome] Sliwa F, et al. *Wiad Lek* 31(17):1193-6, 1 Sep 78 (Eng. Abstr.) (Pol)

### OCCURRENCE

- Cytogenetic studies in Papua New Guinea [letter] Woodliff HJ, et al. *Papua New Guinea Med J* 21(2):216, Jun 78

### PATHOLOGY

- The pure gonadal dysgenesis syndrome. Favez JA. *Int J Gynaecol Obstet* 15(6):550-3, 1978

### PHYSIOPATHOLOGY

- Ovarian follicular apparatus and hormonal parameters in patients with primary and secondary amenorrhea. Nakano R, et al. *Acta Obstet Gynecol Scand* 57(4):293-300, 1978
- [Characteristics of the gonadotropic function of the hypothalamo-hypophyseal system in girls with certain forms of gonadal dysgenesis] Safaralieva AR. *Akush Ginekol (Mosk)* (8):27-30, Aug 78 (Rus)
- [Gonadotropic function of the hypophysis in different forms of gonadal dysgenesis] Veinberg EG, et al. *Akush Ginekol (Mosk)* (8):20-4, Aug 78 (Eng. Abstr.) (Rus)

### PSYCHOLOGY

- Neuroticism and extraversion in Turner's syndrome. Baekgaard W, et al. *J Abnorm Psychol* 87(5):583-6, Oct 78



# GONADS

## III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs

### ALGESTONE ACETOPHENIDE

#### ANALOGS & DERIVATIVES

[Norethisterone enantate as a tricyclic contraceptive. Comparative study] Najar Origel S. *Prensa Med Mex* 43(1-2):64-9, Jan-Feb 78 (Spa)

### ALPHASON

#### ADMINISTRATION & DOSAGE

[Norethisterone enantate as a tricyclic contraceptive. Comparative study] Najar Origel S. *Prensa Med Mex* 43(1-2):64-9, Jan-Feb 78 (Spa)

#### ADVERSE EFFECTS

[Norethisterone enantate as a tricyclic contraceptive. Comparative study] Najar Origel S. *Prensa Med Mex* 43(1-2):64-9, Jan-Feb 78 (Spa)

### ANABOLIC STEROIDS

#### ADMINISTRATION & DOSAGE

[Management of aplastic anemia in children and their remission rate] Nakayama K. *Nippon Rinsho* 36(7):2792-7, 10 Jul 78 (18 ref.) (Jpn)

#### ADVERSE EFFECTS

[Voice disorders in women caused by adverse actions of drugs] Hirose H. *Nippon Rinsho Suppl*:1864-5, May 78 (Jpn)

#### THERAPEUTIC USE

[Hematopoietic effects of protein-anabolic hormone-androgen in aplastic anemia—prospective studies] Hirota Y. *Nippon Rinsho* 36(7):2769-78, 10 Jul 78 (Jpn)  
 [Use of anabolic steroids in the surgical treatment of patients with a stenosing stomach and duodenal ulcer] Zaporozhets VK. *Klin Khir* (8):82-3, Aug 78 (Rus)  
 [Preventive treatment of ischemic heart disease with obsidan and nerobolil under ambulatory conditions] Ianovskii GV, et al. *Vrach Delo* (6):16-8, Jun 78 (Eng. Abstr.) (Rus)  
 [Effect of hormonal therapy on the level of antibodies to antigens of thymus epithelial tissue in myasthenia] Gekht BM, et al. *Zh Nevropatol Psikhiatr* 78(8):1129-34, 1978 (Eng. Abstr.) (Rus)

### ANDROGEN ANTAGONISTS

#### CHEMICAL SYNTHESIS

Synthesis and antiandrogenic activity of 16beta-substituted-17 beta-hydroxysteroids. Goto G, et al. *Chem Pharm Bull (Tokyo)* 26(6):1718-28, Jun 78

#### METABOLISM

Initiation of sperm motility in the mammalian epididymis. Hoskins DD, et al. *Fed Proc* 37(11):2534-42, Sep 78 (46 ref.)

#### PHARMACODYNAMICS

The ultrastructure of the accessory sex organs of the male rat. XII. Nuclear alterations of prostatic epithelial cells induced by anti-androgens. Dahl E. *Cell Tissue Res* 192(1):39-51, 25 Aug 78  
 Hormone influences on human aggression. Bell R. *Ir J Med Sci* 147 Suppl 1:5-9, Aug 78  
 [Influence of oral effective antiandrogens on fertility and

sexuality in man and rat (author's transl)] Engel S, et al. *Dermatol Monatsschr* 164(8):584-7, Aug 78 (Eng. Abstr.) (Ger)

[Effects of various drugs on the formation of a complex of prostatic cytosol receptor protein and dihydrotestosterone] Yamanaka H, et al. *Horumon To Rinsho* 26(1):89-92, Jan 78 (Jpn)

#### THERAPEUTIC USE

Dihydrotestosterone concentration in prostate cancer tissue as a predictor of tumor differentiation and hormonal dependency. Geller J, et al. *Cancer Res* 38(11 Pt 2):4349-52, Nov 78

[Treatment of acne and seborrhea using antiandrogens] Keller PJ, et al. *Schweiz Med Wochenschr* 108(42):1640-2, 21 Oct 78 (Eng. Abstr.) (Ger)

### ANDROGENS

Fine structure of Sertoli cells in the rat testis after hypophysectomy, testosterone treatment and re-involution. Aumüller G, et al. *Cytobiologie* 17(2):453-63, Aug 78

#### ADMINISTRATION & DOSAGE

[Clinical and hematologic studies on aplastic anemia showing a good response to androgen therapy (author's transl)] Shirakura T, et al. *Rinsho Ketsueki* 19(7):987-94, Jul 78 (Eng. Abstr.) (Jpn)

[Effect of androgenic hormones on treatment of aplastic anemia—retrospective study (author's transl)] Toyama K. *Rinsho Ketsueki* 19(7):964-70, Jul 78 (Eng. Abstr.) (Jpn)

#### ADVERSE EFFECTS

[Voice disorders in women caused by adverse actions of drugs] Hirose H. *Nippon Rinsho Suppl*:1864-5, May 78 (Jpn)

#### BIOSYNTHESIS

The effects of vertebrate gonadotrophins on androgen release in vitro from testicular cells of Japanese quail and a comparison with their radioimmunoassay activities. Jenkins N, et al. *Gen Comp Endocrinol* 35(3):309-21, Jul 78  
 Androgen biosynthesis in vitro by testes from amphibia. Kime DE, et al. *Gen Comp Endocrinol* 35(3):280-8, Jul 78  
 Evidence of the in vitro formation of cortisol by the adrenal gland of embryonic and young chickens (*Gallus domesticus*). Nakamura T, et al. *Gen Comp Endocrinol* 35(3):302-8, Jul 78  
 Steroid 17-hydroxylation and androgen production by incubated rat adrenal tissue. Vinson GP, et al. *J Steroid Biochem* 9(7):677-83, Jul 78

#### BLOOD

Diurnal variation of serum androgen and estradiol-17beta in the adult male green monkey (*Cercopithecus* sp). Beattie CW, et al. *Biol Reprod* 19(1):36-9, Aug 78  
 Dermatology: acne vulgaris. Cunliffe WJ. *Br J Hosp Med* 20(1):24-31, Jul 78  
 Normalized androgen ratio: an index of free 17beta-hydroxysteroid concentration in serum. Gilliland JM, et al. *Clin Chem* 24(9):1500-3, Sep 78  
 Heterosexual interactions in laboratory-housed stump-tail macaques (*Macaca arctoides*): observations during the menstrual cycle and after ovariectomy. Slob AK, et al. *Horm Behav* 10(2):193-211, Apr 78  
 [Hirsutism (author's transl)] Kuttann F, et al. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):693-701, Apr 78 (Eng. Abstr.) (Fre)  
 [Simultaneous determination of plasma androgens in rats by mass fragmentography and isotope dilution] Jeannin JF, et al. *J Steroid Biochem* 9(7):615-22, Jul 78 (Eng. Abstr.) (Fre)  
 [Transsexualism and transvestism] Benedetti G. *Z Psychosom Med Psychoanal* 24(3):224-39, Jul-Sep 78 (Eng. Abstr.) (Ger)

## ANDROGENS

### METABOLISM

- Initiation of sperm motility in the mammalian epididymis. Hoskins DD, et al. *Fed Proc* 37(11):2534-42, Sep 78 (46 ref.)
- Studies on the metabolism of neutral steroids by preimplantation rabbit blastocysts in vitro and the origin of blastocyst oestrogen. Singh MM, et al. *J Reprod Fertil* 53(2):297-304, Jul 78
- In vitro metabolism of androgens by mammalian cauda epididymal spermatozoa. Rajalakshmi M, et al. *Steroids* 31(6):747-60, Jun 78
- [Hirsutism (author's transl)] Kuttann F, et al. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):693-701, Apr 78 (Eng. Abstr.) (Fre)

### PHARMACODYNAMICS

- Selective polyamine-binding proteins. Spermine binding by an androgen-sensitive phosphoprotein. Liang T, et al. *Biochim Biophys Acta* 542(3):430-41, 6 Sep 78
- Effect of autonomic agents on the amount of androgen-dependent granules in convoluted tubular cells of the mouse submandibular gland. Hosoi K, et al. *Can J Physiol Pharmacol* 56(4):634-41, Aug 78
- Mesenchyme-mediated effect of testosterone on embryonic mammary epithelium. Dumberger H, et al. *Cancer Res* 38(11 Pt 2):4066-70, Nov 78
- Role of sex steroids on LH and FSH secretion in the rat. Ferland L, et al. *Curr Top Mol Endocrinol* 3:191-209, 1976 (35 ref.)
- Hormonal control of liver prolactin receptors. Kelly PA, et al. *Curr Top Mol Endocrinol* 3:321-35, 1976 (27 ref.)
- Rat alpha-fetoprotein-estrogen interaction. Aussel C, et al. *J Steroid Biochem* 9(6):547-51, Jun 78
- [Lactation inhibition by drugs (editorial)] Bergsjø P. *Tidsskr Nor Lægeforen* 98(29):1423-4, 20 Oct 78 (Nor)

### PHYSIOLOGY

- The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)
- Hair matrix cell kinetics: a selective review. Malkinson FD, et al. *Int J Dermatol* 17(7):536-51, Sep 78 (87 ref.)
- Hormone influences on human aggression. Bell R. *Ir J Med Sci* 147 Suppl 1:5-9, Aug 78
- The role of hormones in endometrial cancer. Gambrell RD Jr. *South Med J* 71(10):1280-6, 1293, Oct 78 (45 ref.)

### SECRETION

- [Testosterone, its biosynthesis, transport and metabolism] Panaiotov D. *Vutr Boles* 17(4):15-21, 1978 (38 ref.) (Bul)
- [Gonadal hormone production before puberty] Huhtaniemi I. *Duodecim* 94(10):625-32, 1978 (Fin)
- [Circadian rhythms in man. Their incidence in endocrinology (author's transl)] Mainard F, et al. *Pathol Biol (Paris)* 26(5):255-64, May-Jun 78 (93 ref.) (Eng. Abstr.) (Fre)
- [Estimation of androgenic functions of the adrenal cortex and gonads in selected forms of genital abnormalities in children and adolescents] Pawlaczyk B. *Endokrynol Pol* 29(4):347-52, Jul-Aug 78 (Pol)

### THERAPEUTIC USE

- The role of hormones in endometrial cancer. Gambrell RD Jr. *South Med J* 71(10):1280-6, 1293, Oct 78 (45 ref.)
- [Anemia in patients treated with periodic hemodialysis. Therapeutic criteria and long-term results] Bucciante G, et al. *Minerva Urol* 30(2):85-95, Apr-Jun 78 (Eng. Abstr.) (Ita)
- [Androgen therapy of aplastic anemia] Kozuru M. *Nippon Rinsho Suppl*:1668-9, May 78 (Jpn)
- [Clinical and hematologic studies on aplastic anemia showing a good response to androgen therapy (author's transl)] Shirakura T, et al. *Rinsho Ketsueki* 19(7):987-94, Jul 78 (Eng. Abstr.) (Jpn)
- [Effect of androgenic hormones on treatment of aplastic anemia—retrospective study (author's transl)] Toyama K. *Rinsho Ketsueki* 19(7):964-70, Jul 78 (Eng. Abstr.) (Jpn)
- [Uterine endometriosis interna] Shinkareva LF, et al. *Akush Ginekol (Mosk)* (8):50-5, Aug 78 (Eng. Abstr.) (Rus)

## GONADS

### ANDROSTANES

#### ADMINISTRATION & DOSAGE

- Comparative bioavailability of a lipophilic steroid. Abrams LS, et al. *J Pharm Sci* 67(9):1287-90, Sep 78
- [Prospective studies of effects of androstanes on aplastic anemia (author's transl)] Hirota Y. *Rinsho Ketsueki* 19(7):955-63, Jul 78 (Eng. Abstr.) (Jpn)

#### ADVERSE EFFECTS

- [Prospective studies of effects of androstanes on aplastic anemia (author's transl)] Hirota Y. *Rinsho Ketsueki* 19(7):955-63, Jul 78 (Eng. Abstr.) (Jpn)

#### BLOOD

- Simultaneous radioimmunoassay of 5alpha-androstane-3alpha, 17beta-diol and 5alpha-androstane-3beta, 17beta-diol unconjugated and conjugated in human serum. Habrioux G, et al. *Steroids* 32(1):61-71, Jul-Aug 78

#### METABOLISM

- Comparative bioavailability of a lipophilic steroid. Abrams LS, et al. *J Pharm Sci* 67(9):1287-90, Sep 78
- Androgen metabolism in adipose tissue: conversion of 5alpha-dihydrotestosterone to 3alpha-androstanediol by hamster tissue. Blohm TR, et al. *J Steroid Biochem* 9(7):603-8, Jul 78

#### PHARMACODYNAMICS

- Effects of steroidal hormones on sexual, attack, and search behavior in the isolated male chick. Young CE, et al. *Horm Behav* 10(2):107-17, Apr 78
- Androgenic regulation of a tissue specific isoenzyme of acid phosphatase in rat ventral prostate. Rennie PS, et al. *J Steroid Biochem* 9(7):585-93, Jul 78

### ANDROSTENOLS

#### CHEMICAL SYNTHESIS

- Synthesis and preliminary anti-inflammatory evaluation of 17beta-amino-3beta-methoxy-5-androstene hydrochloride and related derivatives. Griggs SC, et al. *J Pharm Sci* 67(9):1215-8, Sep 78

#### PHARMACODYNAMICS

- Synthesis and preliminary anti-inflammatory evaluation of 17beta-amino-3beta-methoxy-5-androstene hydrochloride and related derivatives. Griggs SC, et al. *J Pharm Sci* 67(9):1215-8, Sep 78
- Effects of RMI 12,936, a synthetic antiprogesterone steroid, on the oestrous cycle and ovulation in the rat. Kendle KE, et al. *J Reprod Fertil* 53(2):363-8, Jul 78

#### URINE

- Endocrine effects of cannabis in male rats. Maskarinec MP, et al. *Toxicol Appl Pharmacol* 45(2):617-28, Aug 78

### CHLORMADINONE

#### ADVERSE EFFECTS

- [Effect of chlormadinone and chlormadinone with mestranol on the liver function] Marcinkowski Z. *Ginekol Pol* 49(6):525-30, Jun 78 (Eng. Abstr.) (Pol)

#### PHARMACODYNAMICS

- The ultrastructure of the accessory sex organs of the male rat. XII. Nuclear alterations of prostatic epithelial cells induced by anti-androgens. Dahl E. *Cell Tissue Res* 192(1):39-51, 25 Aug 78
- [Influence of oral effective antiandrogens on fertility and sexuality in man and rat (author's transl)] Engel S, et al. *Dermatol Monatsschr* 164(8):584-7, Aug 78 (Eng. Abstr.) (Ger)



## TOXICITY

[Morphologic changes in guinea pig kidneys following administration of chlormadinone (germed) and orgametril (Organon)] Bechcińska B, et al. *Ginekol Pol* 49(6):487-92, Jun 78 (Eng. Abstr.)

## CLOMIPHENE

## ADMINISTRATION &amp; DOSAGE

[Results of routine treatment with Clomiphen (author's transl)] Gronau A, et al. *Geburtshilfe Frauenheilkd* 38(10):775-84, Oct 78 (Eng. Abstr.) (Ger)

[Rapid radioimmunoassay for the determination of serum progesterone levels (author's transl)] Spona J, et al. *Wien Klin Wochenschr* 90(18):654-8, 29 Sep 78 (Eng. Abstr.) (Ger)

## ADVERSE EFFECTS

[Results of routine treatment with Clomiphen (author's transl)] Gronau A, et al. *Geburtshilfe Frauenheilkd* 38(10):775-84, Oct 78 (Eng. Abstr.) (Ger)

[A further case of hydatidiform mole after treatment with clomiphene] Wajntraub G, et al. *Minerva Ginecol* 30(9):759-62, Sep 78 (Eng. Abstr.) (Ita)

## DIAGNOSTIC USE

Hypothalamo-pituitary-testicular axis in men undergoing chronic intermittent hemodialysis. Kawamura J, et al. *Int J Artif Organs* 1(5):224-30, Sep 78

## PHARMACODYNAMICS

Cytoplasmic oestrogen receptor replenishment: oestrogens versus anti-oestrogens. Baudendistel LJ, et al. *Acta Endocrinol (Copenh)* 89(3):599-611, Nov 78

Effect of hypocholesterolemic agents on central nervous system cholesterol biosynthesis III. Zuclomiphene in combination with AY9944 and triparanol. Ramsey RB. *Biochem Pharmacol* 27(12):1637-40, 1978

Therapeutic use of luteinizing hormone-releasing hormone in the human female. Nillius SJ. *Curr Top Mol Endocrinol* 3:93-112, 1976

Sensitisation of pituitary cells to luteinising hormone releasing hormone by clomiphene citrate in vitro. Hsueh AJ, et al. *Nature* 273(5657):57-9, 4 May 78

[Monoamine oxidase activity in women treated with clomide for functional sterility] Dudkiewicz J, et al. *Ginekol Pol* 49(5):401-5, May 78 (Eng. Abstr.) (Pol)

## THERAPEUTIC USE

Induction of ovulation with clomiphene and human chorionic gonadotrophin in women with hyperprolactinaemic amenorrhoea. McGarrigle HH, et al. *Br J Obstet Gynaecol* 85(9):692-7, Sep 78

Infertility: promising new treatments. Kolata GB. *Science* 202(4364):200-3, 13 Oct 78

[Current considerations on male secretory sterility] Bollack C, et al. *Helv Chir Acta* 45(3):323-8, Jul 78 (Eng. Abstr.) (Fre)

[Results of routine treatment with Clomiphen (author's transl)] Gronau A, et al. *Geburtshilfe Frauenheilkd* 38(10):775-84, Oct 78 (Eng. Abstr.) (Ger)

[Secondary amenorrhoea after hormonal contraceptives] Lauritzen C. *Med Klin* 73(39):1343-50, 29 Sep 78 (52 ref.) (Ger)

[A further case of hydatidiform mole after treatment with clomiphene] Wajntraub G, et al. *Minerva Ginecol* 30(9):759-62, Sep 78 (Eng. Abstr.) (Ita)

[Monoamine oxidase activity in women treated with clomide for functional sterility] Dudkiewicz J, et al. *Ginekol Pol* 49(5):401-5, May 78 (Eng. Abstr.) (Pol)

[Clinical experience with clomiphene citrate] Iduñate y Carlos D, et al. *Ginecol Obstet Mex* 43(259):359-64, May 78 (Eng. Abstr.) (Spa)

a possible protective effect of the diaphragm. Wright NH, et al. *Br J Cancer* 38(2):273-9, Aug 78

Longer though lighter menstrual and intermenstrual bleeding with copper as compared to inert intrauterine devices. Guillebaud J, et al. *Br J Obstet Gynaecol* 85(9):707-12, Sep 78

Normalized androgen ratio: an index of free 17beta-hydroxysteroid concentration in serum. Gilliland JM, et al. *Clin Chem* 24(9):1500-3, Sep 78

Rheumatoid arthritis: pill users half as likely to develop the disease [news] *Fam Plann Perspect* 10(4):239-40, Jul-Aug 78

Contraceptive use in the United States, 1973-1976. Ford K. *Fam Plann Perspect* 10(5):264-9, Sep-Oct 78

On temporal structure of human hiccups: ethology and chronobiology. Anthony TR, et al. *Int J Chronobiol* 5(3):477-92, 1978

Oral contraceptives--acceptability and side effects with combination pills. Mandelkar A, et al. *J Obstet Gynaecol India* 28(2):296-300, Apr 78

Toward better patient teaching. Part III. Gulko CS, et al. *J Pract Nurs* 28(9):33-4, Sep 78

Contraceptive workload in general practice in the Trent Region. Cammock DW, et al. *J R Coll Gen Pract* 27(183):610-3, Oct 77

Late complications of laparoscopic sterilization. II. Edgerton WD. *J Reprod Med* 21(1):41-4, Jul 78

Why it is right for family planning nurses to prescribe the pill. Thompson S. *Nurs Mirror* 147(16):9, 19 Oct 78

Personality and the use of oral contraceptives in British university students. Priestnall R, et al. *Soc Sci Med* 12(5A):403-7, Sep 78

[Drug resistance in epilepsy therapy] Janz D. *Dtsch Med Wochenschr* 103(41):1612-9, 13 Oct 78 (Ger)

[Effect of an estrogen-progestin contraceptive preparation on the enzymatic activity of the pentosephosphate carbohydrate metabolic pathway and nucleic acid metabolic indices] Korukhov VV, et al. *Farmakol Toksikol* 41(5):604-8, Sep-Oct 78 (Eng. Abstr.) (Rus)

## ADMINISTRATION &amp; DOSAGE

Pigment epithelial windows and drusen: an animal model. Fine BS, et al. *Invest Ophthalmol Vis Sci* 17(11):1059-68, Nov 78

## ADVERSE EFFECTS

Focal nodular hyperplasia of the liver and contraceptive steroids. St Omer FB, et al.

*Acta Hepatogastroenterol (Stuttg)* 25(4):319-21, Aug 78

Influence of oral contraceptives on immediate postabortal pituitary-ovarian function. Lähteenmäki P. *Acta Obstet Gynecol Scand Suppl* 76:1-43, 1978

Oral and intrauterine contraception: a 1978 risk assessment. Rosenfield A. *Am J Obstet Gynecol* 132(1):92-106, 1 Sep 78 (92 ref.)

Cigarette smoking and the response to drugs. Cohn VH. *Am Pharm* 18(10):32-6, Sep 78

Drugs, diet and nutrition. Roe DA. *ASDC J Dent Child* 45(5):412-4, Sep-Oct 78

Contraceptive methods: risks and benefits. Vessey MP. *Br Med J* 2(6139):721-2, 9 Sep 78

Role of exogenous female hormones in altering the risk of benign and malignant neoplasms in humans. Thomas DB. *Cancer Res* 38(11 Pt 2):3991-4000, Nov 78 (98 ref.)

Hormonal steroid contraceptives: a further review of adverse reactions. McQueen EG. *Drugs* 16(4):322-57, Oct 78 (127 ref.)

Pill linked to slight blood pressure rise; minor side effects greater among underweight women [news] *Fam Plann Perspect* 10(5):300-1, Sep-Oct 78

Oral contraceptive pills and clinical otosclerosis. Podoshin L, et al. *Int J Gynaecol Obstet* 15(6):554-5, 1978

Immunocytochemical localization of oncodevelopmental proteins in human germ cell and hepatic tumors. Palmer PE, et al. *J Histochem Cytochem* 26(7):523-31, Jul 78

Acute intermittent porphyria on withdrawal of oral contraceptives. Gerlis LS. *J Int Med Res* 6(4):255-6, 1978

Oral contraceptives, venous thrombosis, and varicose veins. Royal College of General Practitioners' Oral Contraception Study. *J R Coll Gen Pract* 28(192):393-9, Jul 78

Recommendations arising out of the findings by the RCGP oral contraception study on the mortality risks of oral contraceptive users. From the Royal College of General Practitioners and the Royal College of Obstetricians and Gynaecologists. *J R Coll Gen Pract* 27(184):700, Nov 77

Festschrift in honour of C.A. Hoare on the occasion of his 85th birthday [editorial] *J Trop Med Hyg* 81(8):141, Aug 78

## CONTRACEPTIVES, ORAL

Influence of oral contraceptives on immediate postabortal pituitary-ovarian function. Lähteenmäki P. *Acta Obstet Gynecol Scand Suppl* 76:1-43, 1978

Neoplasia and dysplasia of the cervix uteri and contraception:

## CONTRACEPTIVES, ORAL

- Benign liver tumors and oral contraceptives. Aungst CW. NY State J Med 78(12):1933-4, Oct 78
- Liver oncogenesis and steroids. Christopherson WM, et al. Prog Clin Cancer 7:153-63, 1978 (38 ref.)
- An unusual side-effect of the pill [letter] Barmania A. S Afr Med J 54(5):181, 29 Jul 78
- [The pregnancy occurring during oral contraception or intra uterine device (i.u.d.) (author's transl)] Brémond A, et al. J Gynecol Obstet Biol Reprod (Paris) 7(3 Pt 2):581-9, Apr 78 (Eng. Abstr.) (Fre)
- [Effects of oral contraceptives of cancerogenesis of cervical epithelium (author's transl)] Soost HJ, et al. Arch Geschwulstforsch 48(4):345-55, 1978 (Eng. Abstr.) (Ger)
- [Electronmicroscopic findings in a malignant hepatoma after oral contraceptives (author's transl)] Hatzibujas J, et al. Z Gastroenterol 16(10):616-24, Oct 78 (Eng. Abstr.) (Ger)
- [Oral contraceptives and cervix uteri cancer (editorial)] Nesheim BI. Tidsskr Nor Lægeforen 98(29):1422-3, 20 Oct 78 (Nor)
- [Hyperplastic changes and oral contraceptives in Anglo-Saxon countries] Markuszewski C. Pol Tyg Lek 33(38):1519-22, 18 Sep 78 (Pol)
- [In defense of the pill] Goldzieher JW. Ginecol Obstet Mex 44(262):123-52, Aug 78 (44 ref.) (Eng. Abstr.) (Spa)
- [Hepatic changes caused by contraceptive steroids] Uribe M, et al. Rev Gastroenterol Mex 42(3):139-47, Sep-Dec 77 (Eng. Abstr.) (Spa)
- [Risk of adverse effects of contraception] Larsson-Cohn U. Lakartidningen 75(41):3670-2, 11 Oct 78 (Eng. Abstr.) (Swe)

## METABOLISM

- [Value of the assay of plasma triiodothyronine level for the diagnosis of hyperthyroidism and hypothyroidism] Wiersinga WM, et al. Ned Tijdschr Geneesk 122(37):1349-58, 16 Sep 78 (Eng. Abstr.) (Dut)

## PHARMACODYNAMICS

- Experience with a new low dose oral contraceptive: norgestimate & ethinyl estradiol. Rubio-Lotvin B, et al. Acta Eur Fertil 9(1):1-6, Mar 78
- Oral contraceptives and platelet aggregation. Shevde N, et al. Am J Obstet Gynecol 132(3):303-6, 1 Oct 78
- Histochemical and ultrastructural effects of enovid E on the endometrium of the baboon. Dollar JR, et al. Cell Tissue Res 192(3):451-60, 26 Sep 78
- Relationship between uterotrophic and interceptive activities of steroidal estrogens. Oettel M, et al. Endokrinologie 72(1):25-35, Apr 78
- Pill linked to slight blood pressure rise; minor side effects greater among underweight women [news] Fam Plann Perspect 10(5):300-1, Sep-Oct 78
- Drug interactions with oral contraceptives. Back DJ, et al. IPPF Med Bull 12(4):1-2, Aug 78
- Persistence of spermatozoa in the lower genital tracts of women. Silverman EM, et al. JAMA 240(17):1875-7, 20 Oct 78
- Rise in female-initiated sexual activity at ovulation and its suppression by oral contraceptives. Adams DB, et al. N Engl J Med 299(21):1145-50, 23 Nov 78
- Plasminogen activator levels in plasma and urine during exercise and oral contraceptive use. Hedlin AM, et al. Thromb Haemost 39(3):743-50, 30 Jun 78
- [Oral contraception and the gingival mucosa] Fruteau de Lacroix C, et al. Ligament (Montp) 13(119):17-20, Jan-Mar 76 (Fre)
- [Platelet aggregation during various phases of the menstrual cycle and after therapy with ovulation inhibitors] Ohnhaas EE, et al. Schweiz Med Wochenschr 108(41):1580-1, 14 Oct 78 (Eng. Abstr.) (Ger)
- [Observations on the interaction of thyroxine with its main transporting protein and its relation to the in vitro thyroid function test. II. Clinical pictures with serum protein changes] Cuarón Santisteban A, et al. Arch Inst Cardiol Mex 48(4):754-78, Jul-Aug 78 (Eng. Abstr.) (Spa)
- [Changes in laboratory tests after treatment with a new contraceptive agent] Cervantes LF, et al. Ginecol Obstet Mex 43(258):285-97, Apr 78 (70 ref.) (Eng. Abstr.) (Spa)

## THERAPEUTIC USE

- Antithrombin III levels in Indian women during pregnancy, post-partum and intake of oral contraceptives. Toddywalla VS, et al. J Obstet Gynaecol India 28(1):52-4, Feb 78

## GONADS

- The determination of antithrombin III. Comparison of six methods. Effect of oral contraceptive therapy. Bounameaux H, et al. Thromb Haemost 39(3):607-15, 30 Jun 78
- [Pathogenetic conditioning of the therapeutic effect of infecundin] Kozhin AA. Akush Ginekol (Mosk) (8):40-3, Aug 78 (Eng. Abstr.) (Rus)

## CONTRACEPTIVES, ORAL, HORMONAL

- [Contraceptive counseling for young girls] Huber A. Fortschr Med 96(33):1638-42, 7 Sep 78 (Ger)
- [Menstrual cycle and sports] Artner J. Med Klin 73(37):1257-67, 15 Sep 78 (Ger)
- [Secondary amenorrhea after hormonal contraceptives] Lauritzen C. Med Klin 73(39):1343-50, 29 Sep 78 (52 ref.) (Ger)

## ADMINISTRATION & DOSAGE

- [How to judge the risk of flying in chronically ill patients. Vacation medicine: practical tips] Fuchs HS. MMW. Muench Med Wochenschr 120(35):1123-6, 1 Sep 78 (Ger)

## ADVERSE EFFECTS

- Focal nodular hyperplasia of the liver and contraceptive steroids. St Omer FB, et al. Acta Hepatogastroenterol (Stuttg) 25(4):319-21, Aug 78
- Hormonal steroid contraceptives: a further review of adverse reactions. McQueen EG. Drugs 16(4):322-57, Oct 78 (127 ref.)
- Evaluation of epithelial maturity in hormonally related stomatitis. Belding JH, et al. J Oral Med 33(1):17-9, Jan-Mar 78
- Festschrift in honour of C.A. Hoare on the occasion of his 85th birthday [editorial] J Trop Med Hyg 81(8):141, Aug 78
- [Effects of oral contraceptives of cancerogenesis of cervical epithelium (author's transl)] Soost HJ, et al. Arch Geschwulstforsch 48(4):345-55, 1978 (Eng. Abstr.) (Ger)
- [Significance of liver biopsy in the diagnostic evaluation of liver diseases (author's transl)] Bianchi L. Ther Umsch 35(9):707-15, Sep 78 (49 ref.) (Eng. Abstr.) (Ger)
- [Drug induced liver disease (author's transl)] Knoblauch M. Ther Umsch 35(9):747-55, Sep 78 (21 ref.) (Eng. Abstr.) (Ger)
- [Drugs and vitamins] Czok G. Z Ernährungsweis 17(3):129-39, Sep 78 (Eng. Abstr.) (Ger)
- [Electronmicroscopic findings in a malignant hepatoma after oral contraceptives (author's transl)] Hatzibujas J, et al. Z Gastroenterol 16(10):616-24, Oct 78 (Eng. Abstr.) (Ger)
- [The behavior of albumin in acute and chronic liver damage. III. Intrahepatic and serum albumin concentrations in human liver diseases] Rogos R. Z Gesamte Inn Med 33(15):506-12, 1 Aug 78 (Eng. Abstr.) (Ger)
- [Disturbance of the absorption of nutrients from the gastrointestinal tract into the blood under the influence of drugs] Kudrin AN, et al. Farmatsia 27(4):79-83, Jul-Aug 78 (55 ref.) (Rus)
- [In defense of the pill] Goldzieher JW. Ginecol Obstet Mex 44(262):123-52, Aug 78 (44 ref.) (Eng. Abstr.) (Spa)
- [Hepatic changes caused by contraceptive steroids] Uribe M, et al. Rev Gastroenterol Mex 42(3):139-47, Sep-Dec 77 (Eng. Abstr.) (Spa)

## PHARMACODYNAMICS

- Relationship between uterotrophic and interceptive activities of steroidal estrogens. Oettel M, et al. Endokrinologie 72(1):25-35, Apr 78
- Breast-feeding and mother's education [letter] Last P. Lancet 2(8095):896-7, 21 Oct 78
- [Platelet aggregation during various phases of the menstrual cycle and after therapy with ovulation inhibitors] Ohnhaas EE, et al. Schweiz Med Wochenschr 108(41):1580-1, 14 Oct 78 (Eng. Abstr.) (Ger)



## CONTRACEPTIVES, POSTCOITAL

## ADMINISTRATION &amp; DOSAGE

[Postcoital contraception] Beckmann M, et al. *Med Welt* 29(40):1576-8, 6 Oct 78 (Ger)

## CYPROTERONE

## ADMINISTRATION &amp; DOSAGE

Treatment of prostatic carcinoma with cyproterone acetate. Tveter KJ, et al. *Scand J Urol Nephrol* 12(2):115-8, 1978

## ADVERSE EFFECTS

Treatment of prostatic carcinoma with cyproterone acetate. Tveter KJ, et al. *Scand J Urol Nephrol* 12(2):115-8, 1978

## PHARMACODYNAMICS

Is there a local feedback from the seminiferous tubules affecting activity of the Leydig cells? Aoki A, et al. *Biol Reprod* 19(1):144-58, Aug 78

The ultrastructure of the accessory sex organs of the male rat. XII. Nuclear alterations of prostatic epithelial cells induced by anti-androgens. Dahl E. *Cell Tissue Res* 192(1):39-51, 25 Aug 78

Taste aversion as a method for assessing the effects of gonadal hormones on behaviour. Earley CJ. *Ir J Med Sci* 147 Suppl 1:24-7, Aug 78

[Influence of oral effective antiandrogens on fertility and sexuality in man and rat (author's transl)] Engel S, et al. *Dermatol Monatsschr* 164(8):584-7, Aug 78 (Eng. Abstr.) (Ger)

[Physiologic-endocrinologic studies on the aggressive behavior of male mice] Oettel M, et al. *Z Versuchstierkd* 20(4):186-93, 1978 (Eng. Abstr.) (Ger)

## THERAPEUTIC USE

Treatment of prostatic carcinoma with cyproterone acetate. Tveter KJ, et al. *Scand J Urol Nephrol* 12(2):115-8, 1978

[Treatment of acne and seborrhea using antiandrogens] Keller PJ, et al. *Schweiz Med Wochenschr* 108(42):1640-2, 21 Oct 78 (Eng. Abstr.) (Ger)

[Cyproterone acetate in the treatment of hirsutism] Baranowska B, et al. *Pol Tyg Lek* 33(30):1181-4, 24 Jul 78 (Eng. Abstr.) (Pol)

## DIETHYLSTILBESTROL

Studies of estrogen induced renal tumours in male Syrian hamsters. I. Cytochemical studies of lysosomal enzymes acid phosphatase and beta-glucuronidase. Ismail AA, et al. *Acta Histochem (Jena)* 61(2):287-95, 1978

Biochemical and ultrastructural studies on estrogen-induced pituitary tumors in F344 rats. De Nicola AF, et al. *J Natl Cancer Inst* 61(3):753-63, Sep 78

## ADMINISTRATION &amp; DOSAGE

Distribution of injected 14C-diethylstilbestrol in the chicken and laying hen. Whole body autoradiography and impulse counting. Bengtsson SG. *Acta Vet Scand* 19(2):254-62, 1978

Effect of radiation dosage on the synergism between radiation and estrogen in the production of mammary cancer in the rat. Segaloff A, et al. *Cancer Res* 38(10):3445-52, Oct 78

Analysis by gas-liquid and thin-layer chromatography of residual [14C]diethylstilbestrol ear implants. Rumsey TS, et al. *J Agric Food Chem* 26(5):1248-53, Sep-Oct 78

## ADVERSE EFFECTS

Cancer and estrogen use [news] AORN J 28(4):594, Oct 78

Effect of estrogen on tumor-associated immunity in patients with adenocarcinoma of the prostate. Ablin RJ, et al. *Cancer Res* 38(11 Pt 1):3702-6, Nov 78

Role of exogenous female hormones in altering the risk of benign and malignant neoplasms in humans. Thomas DB. *Cancer Res* 38(11 Pt 2):3991-4000, Nov 78 (98 ref.)

HEW recommends followup on DES patients.

FDA Drug Bull 8(5):31, Oct-Nov 78

Three DES daughters talk about their feelings. Fishbane F.

*J Pract Nurs* 28(11):30, Nov 78

DES: a potential time bomb. You can help to diffuse its effects.

Friedman FB. *J Pract Nurs* 28(11):26-9, 39, Nov 78

Elevated serum cathepsin B1 and vaginal pathology after prenatal DES exposure. Pietras RJ, et al.

*Obstet Gynecol* 52(3):321-7, Sep 78

Effect of maternal alcohol exposure on fetal ovarian lactate dehydrogenase. Prasad R, et al. *Obstet Gynecol* 52(3):318-20, Sep 78

The role of hormones in endometrial cancer. Gambrell RD Jr. *South Med J* 71(10):1280-6, 1293, Oct 78 (45 ref.)

[Gynecomastia in a 3 1/2 year old boy] Lindham S.

*Lakartidningen* 75(43):3918, 25 Oct 78 (Swe)

## ANALOGS &amp; DERIVATIVES

Effect of estrogen on tumor-associated immunity in patients with adenocarcinoma of the prostate. Ablin RJ, et al. *Cancer Res* 38(11 Pt 1):3702-6, Nov 78

## ANALYSIS

Stable derivatives for the gas chromatographic determination of synthetic anabolic stilbene residues (diethylstilbestrol, dienestrol and hexestrol) in meat and organs of treated cattle in the sub-parts per billion (10(9)) level. Laitem L, et al. *J Chromatogr* 156(2):267-73, 11 Sep 78

## BLOOD

Analysis by gas-liquid and thin-layer chromatography of residual [14C]diethylstilbestrol ear implants. Rumsey TS, et al. *J Agric Food Chem* 26(5):1248-53, Sep-Oct 78

## METABOLISM

Distribution of injected 14C-diethylstilbestrol in the chicken and laying hen. Whole body autoradiography and impulse counting. Bengtsson SG. *Acta Vet Scand* 19(2):254-62, 1978

Investigation of hormone-receptor interactions by means of fluorescence labeling. Dandliker WB, et al. *Cancer Res* 38(11 Pt 2):4212-24, Nov 78

Analysis by gas-liquid and thin-layer chromatography of residual [14C]diethylstilbestrol ear implants. Rumsey TS, et al. *J Agric Food Chem* 26(5):1248-53, Sep-Oct 78

Influence of ovarian and adrenal ablation on the oestrogenic activity of diethylstilbestrol. Pento JT, et al. *J Endocrinol* 78(2):287-8, Aug 78

Diethylstilbestrol binding to estrogen receptor in mammary tissue and uteri of C3H/HeJ mice. Okey AB, et al. *J Natl Cancer Inst* 61(3):719-24, Sep 78

Biliary excretion of diethylstilbestrol in the rhesus monkey. Mroczek EJ, et al. *J Pharmacokinetic Biopharm* 6(4):339-54, Aug 78

Determination of the binding properties of estradiol-17beta within the cytoplasmic and nuclear fractions of rat ventral prostate. Armstrong EG Jr, et al. *J Steroid Biochem* 9(6):507-13, Jun 78

Characterization of mouse mammary tissue estrogen receptors under conditions of differing hormonal backgrounds. Muldoon TG. *J Steroid Biochem* 9(6):485-94, Jun 78

## PHARMACODYNAMICS

Influence of estrogen on renal vitamin D hydroxylases and serum 1alpha,25-(OH)2D3 in chicks. Pike JW, et al. *Am J Physiol* 235(3):E338-43, Sep 78

Relation of hemodynamics to the incidence of diethylstilbestrol-induced aortic ruptures in hypertensive and hypotensive lines of turkeys. Simpson CF. *Atherosclerosis* 30(4):249-54, Aug 78

Effects of inhibitors on the plasma membrane and mitochondrial adenosine triphosphatases of *Neurospora crassa*. Bowman BJ, et al. *Biochim Biophys Acta* 512(1):13-28, 11 Sep 78

Combined effects of testosterone and estradiol on rat ventral prostate in organ culture. Feyel-Cabanes T, et al. *Cancer Res* 38(11 Pt 2):4126-34, Nov 78

Inhibition of absorption capacity of HLA antigens on in vitro hormone-treated lymphocytes. Májský A, et al. *Folia Haematol (Leipz)* 105(3):302-5, 1978

Episodic patterns of prolactin and thyrotropin secretion in rams and wethers: influence of testosterone and diethylstilberstrol. Davis SL, et al. *J Anim Sci* 46(6):1724-9, Jun 78

Influence of ovarian and adrenal ablation on the oestrogenic activity of diethylstilbestrol. Pento JT, et al. *J Endocrinol* 78(2):287-8, Aug 78

Effect of active immunization against oestrogens on plasma gonadotrophins in the ewe and the response to synthetic

## DIETHYLSTILBESTROL

- oestrogen or LH. Pant HC, et al. *J Reprod Fertil* 53(2):241-8, Jul 78
- Programming of hepatic histidase following prenatal administration of diethylstilbestrol. Lamartiniere CA, et al. *J Steroid Biochem* 9(7):595-8, Jul 78
- [Sex differences in brain functioning and effects related to them] Vunder PA. *Usp Sovrem Biol* 86(1):129-42, Jul-Aug 78 (104 ref.) (Rus)

### THERAPEUTIC USE

- [Testosterone, FSH and LH level in the serum of patients with prostatic neoplasms, treated with female hormones] Weidner W, et al. *Helv Chir Acta* 45(3):287-90, Jul 78 (Eng. Abstr.) (Ger)

### TOXICITY

- Effect of radiation dosage on the synergism between radiation and estrogen in the production of mammary cancer in the rat. Segaloff A, et al. *Cancer Res* 38(10):3445-52, Oct 78

\*

## ESTRADIOL

- Cytochemical study of estrogen receptor in human mammary cancer. Lee SH. *Am J Clin Pathol* 70(2):197-203, Aug 78
- Estradiol receptor analysis in human breast cancer tissue by isoelectric focusing in polyacrylamide gel. Gustafsson JA, et al. *Cancer Res* 38(11 Pt 2):4225-8, Nov 78
- Cytosol and nuclear estradiol receptors in normal and cancerous breast tissue of women. Singh P, et al. *Indian J Med Res* 68:97-106, Jul 78
- Simultaneous solubilization of steroid hormones I: estrogens and C21 steroids. Lövgren T, et al. *J Pharm Sci* 67(10):1419-22, Oct 78
- [Estradiol reception and enzyme induction in mouse mammary gland neoplasms] Merkulova TI, et al. *Vopr Onkol* 24(8):19-26, 1978 (Eng. Abstr.) (Rus)

### ADMINISTRATION & DOSAGE

- Circulatory responses to systemic infusions of estrone and estradiol-17 $\alpha$  in nonpregnant, oophorectomized ewes. Rosenfeld CR, et al. *Am J Obstet Gynecol* 132(4):442-8, 15 Oct 78
- GABA and gonadal hormones. Earley CJ, et al. *Brain Res* 155(1):27-34, 20 Oct 78
- The effects of intraventricular injection of gamma-aminobutyric acid (GABA) on prolactin and gonadotropin release in conscious female rats. Vijayan E, et al. *Brain Res* 155(1):35-43, 20 Oct 78
- Growth of a human breast cancer cell line in serum-free hormone-supplemented medium. Allegra JC, et al. *Cancer Res* 38(11 Pt 1):3823-9, Nov 78
- Combined effects of testosterone and estradiol on rat ventral prostate in organ culture. Feyel-Cabanes T, et al. *Cancer Res* 38(11 Pt 2):4126-34, Nov 78
- Comparison of the effects of estradiol-17 $\beta$  and the synthetic estrogen, RU-2858, on lordosis behavior in adult female rats and guinea pigs. Landau IT, et al. *Horm Behav* 10(2):143-55, Apr 78
- Masculinization and defeminization induced in female hamsters by neonatal treatment with estradiol benzoate and RU-2858. Whalen RE, et al. *Horm Behav* 10(2):170-7, Apr 78
- Clinical trials with injectable contraceptives. Prema K, et al. *J Obstet Gynaecol India* 28(1):107-10, Feb 78
- Extra-amniotic oestrogens for the unfavourable cervix [letter] Thierry M, et al. *Lancet* 2(8094):835-6, 14 Oct 78
- Evaluation of a combined oestrogen-progestogen injectable contraceptive. Bloch B, et al. *S Afr Med J* 53(21):846-7, 27 May 78
- [Cardiovascular complications of oestrogen treatment in prostatic carcinoma (author's transl)] Héritier P, et al. *Ther Umsch* 35(10):841-4, Oct 78 (Eng. Abstr.) (Fre)
- [Norethisterone enantate as a tricyclic contraceptive. Comparative study] Najar Origel S. *Prensa Med Mex* 43(1-2):64-9, Jan-Feb 78 (Spa)

### ADVERSE EFFECTS

- Menopausal therapy and endometrial pathology [letter] Craft I, et al. *Br Med J* 2(6134):429-30, 5 Aug 78
- Evaluation of a combined oestrogen-progestogen injectable contraceptive. Bloch B, et al. *S Afr Med J* 53(21):846-7, 27 May 78
- [Animal studies on antibacterial activity of 10 cephalosporins (author's transl)] Marre R, et al.

## GONADS

- Zentralbl Bakteriol [Orig A]* 240(4):529-37, Jun 78 (Eng. Abstr.) (Ger)
- [Norethisterone enantate as a tricyclic contraceptive. Comparative study] Najar Origel S. *Prensa Med Mex* 43(1-2):64-9, Jan-Feb 78 (Spa)

### ANALOGS & DERIVATIVES

- Conjugated and unconjugated estrogens in fetal and maternal fluids of the pregnant ewe: a possible role for estrone sulfate during early pregnancy. Carnegie JA, et al. *Biol Reprod* 19(1):202-11, Aug 78
- Antagonistic action between cyclic adenosine 3':5'-monophosphate and estrogen in rat mammary tumor growth control. Cho-Chung YS. *Cancer Res* 38(11 Pt 2):4071-5, Nov 78
- Analysis of the progression of meiosis in dispersed rat testicular cells by flow cytofluorometry. Libbus BL, et al. *Cell Tissue Kinet* 11(4):377-91, Jul 78
- The role of estradiol in modulating LH and FSH response to gonadotropin releasing hormone. Jaffe RB, et al. *Curr Top Mol Endocrinol* 3:211-54, 1976
- Plasma renin substrate sensitivity to oestrogens and oestrogen metabolism in cirrhosis. Degos F, et al. *Eur J Clin Invest* 8(4):243-8, Aug 78
- Taste aversion as a method for assessing the effects of gonadal hormones on behaviour. Earley CJ. *Ir J Med Sci* 147 Suppl 1:24-7, Aug 78
- Evaluation of a combined oestrogen-progestogen injectable contraceptive. Bloch B, et al. *S Afr Med J* 53(21):846-7, 27 May 78

### ANALYSIS

- Computerized optimization of radioimmunoassays for hCG and estradiol: an experimental evaluation. Yanagishita M, et al. *Anal Biochem* 88(1):1-19, 15 Jul 78
- Adrenal steroid feedback on neuroendocrine tissues. McEwen BS. *Ann NY Acad Sci* 297:568-79, 28 Oct 77
- Detection of estrogen-like compounds by thin-layer chromatography. Wortberg B, et al. *J Chromatogr* 156(1):205-10, 21 Aug 78

### BLOOD

- Absence of inhibition by hyperprolactinaemia on ovarian response to exogenous gonadotrophin. Aono T, et al. *Acta Endocrinol (Copenh)* 89(1):142-8, Sep 78
- Assessment of placental function in uncomplicated and complicated late pregnancy by estimation of unconjugated oestrogens in plasma after an intravenous injection of dehydroepiandrosterone sulphate. Axelsson O, et al. *Acta Endocrinol (Copenh)* 89(2):359-71, Oct 78
- Influence of oral contraceptives on immediate postabortal pituitary-ovarian function. Lähteenmäki P. *Acta Obstet Gynecol Scand Suppl* 76:1-43, 1978
- Variations of serum testosterone estradiol binding globulin (TeBG) binding capacity in infants during the first year of life. Chaussain JL, et al. *Acta Paediatr Scand* 67(5):649-53, Sep 78
- Estrogen receptor assay of carcinomas of the breast by a simplified dextran-charcoal method. Meyer JS, et al. *Am J Clin Pathol* 70(4):655-64, Oct 78
- Vaginal blood flow during the menstrual cycle. Abrams RM, et al. *Am J Obstet Gynecol* 132(4):396-400, 15 Oct 78
- The effect of passive immunization against estradiol on the regulatory profile and character of labor in the rat. Csapo AI, et al. *Am J Obstet Gynecol* 132(4):464-70, 15 Oct 78
- Study of the kinetics of conversion of maternal plasma dehydroisoandrosterone sulfate to 16 alpha-hydroxydehydroisoandrosterone sulfate, estradiol, and estril. Madden JD, et al. *Am J Obstet Gynecol* 132(4):392-5, 15 Oct 78
- Effect of premenopausal castration and incremental dosages of conjugated equine estrogens on plasma follicle-stimulating hormone, luteinizing hormone, and estradiol. Utian WH, et al. *Am J Obstet Gynecol* 132(3):297-302, 1 Oct 78
- Daily assessment of ocular and hormonal variables throughout the menstrual cycle. Feldman F, et al. *Arch Ophthalmol* 96(10):1835-8, Oct 78
- Diurnal variation of serum androgen and estradiol-17 $\beta$  in the adult male green monkey (*Cercopithecus* sp). Beattie CW, et al. *Biol Reprod* 19(1):36-9, Aug 78
- Induction of ovulation with clomiphene and human chorionic gonadotropin in women with hyperprolactinaemic amenorrhoea. McGarrigle HH, et al. *Br J Obstet Gynaecol* 85(9):692-7, Sep 78
- Hyena disease in cattle: lutropin, oestradiol-17 $\beta$ , testosterone, progesterone and 17-hydroxyprogesterone

## \*DIHYDROXYPROGESTERONE

See Page 162



- peripheral plasma concentrations. Thibier M, et al. *Br Vet J* 134(5):462-8, Sep-Oct 78
- GABA and gonadal hormones. Earley CJ, et al. *Brain Res* 155(1):27-34, 20 Oct 78
- Plasma hormone profiles of young women at risk for familial breast cancer. Fishman J, et al. *Cancer Res* 38(11 Pt 2):4006-11, Nov 78
- Androgen-estrogen production rates in postmenopausal women with breast cancer. Kirschner MA, et al. *Cancer Res* 38(11 Pt 2):4029-35, Nov 78
- Relationship between urine and plasma estrogen ratios. Longcope C, et al. *Cancer Res* 38(11 Pt 2):4025-8, Nov 78
- Estradiol and progesterone receptor levels in human breast adenocarcinoma in relation to plasma estrogen and progesterone levels. Saez S, et al. *Cancer Res* 38(10):3468-73, Oct 78
- Serum steroids in normal males and patients with prostatic diseases. Hammond GL, et al. *Clin Endocrinol (Oxf)* 9(2):113-21, Aug 78
- The disappearance of HCG and return of pituitary function after abortion. Lähdenmäki P. *Clin Endocrinol (Oxf)* 9(2):101-12, Aug 78
- The role of estradiol in modulating LH and FSH response to gonadotropin releasing hormone. Jaffe RB, et al. *Curr Top Mol Endocrinol* 3:211-54, 1976
- Studies on the diagnostic use of LH-RH. Rochefort JG, et al. *Curr Top Mol Endocrinol* 3:65-72, 1976
- Changes in serum 17alpha-hydroxyprogesterone levels during periovulatory phase in women. Uemura T, et al. *Endocrinol Jpn* 25(3):295-8, Jun 78
- The annual ovarian cycle of *Chrysemys picta*: correlated changes in plasma steroids and parameters of vitellogenesis. Callard IP, et al. *Gen Comp Endocrinol* 35(3):245-57, Jul 78
- In vivo responses of female snakes (*Natrix fasciata*) and female turtles (*Chrysemys picta*) to ovine gonadotropins (FSH and LH) as measured by plasma progesterone, testosterone, and estradiol levels. Lance V, et al. *Gen Comp Endocrinol* 35(3):295-301, Jul 78
- Heterosexual interactions in laboratory-housed stump-tail macaques (*Macaca arctoides*): observations during the menstrual cycle and after ovariectomy. Slob AK, et al. *Horm Behav* 10(2):193-211, Apr 78
- Rapid re-entrainment of the estrous cycle of hamsters to reversal of scotophase and photophase. pp. 196-9. Campbell CS, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Central neural control of endocrine rhythms in the rat. pp. 153-62. Kalra SP, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Hypothalamo-pituitary-testicular axis in men undergoing chronic intermittent hemodialysis. Kawamura J, et al. *Int J Artif Organs* 1(5):224-30, Sep 78
- Maternal and fetal plasma steroid hormone levels in vaginal delivery with and without ACTH infusion. Miyakawa I, et al. *Int J Gynaecol Obstet* 15(6):539-44, 1978
- Plasma estradiol as a predictor of preterm labor. Tamby-Raja RL, et al. *Int J Gynaecol Obstet* 15(6):535-8, 1978
- Bovine ovarian and pituitary responses to PMS and GnRH administered during metestrus. Ford SP, et al. *J Anim Sci* 46(6):1701-6, Jun 78
- Transitory changes of hormones in plasma of postpartum dairy cows. Goodale WS, et al. *J Dairy Sci* 61(6):740-6, Jun 78
- Peripheral and ovarian vein plasma levels of 20alpha-dihydroprogesterone in women with normal menstrual cycles. Lucisano A, et al. *J Steroid Biochem* 9(7):643-8, Jul 78
- Estrogen-like compounds and progesterone in male and female rats before puberty—I. Pattern and origin. Morera AM, et al. *J Steroid Biochem* 9(7):623-9, Jul 78
- Entrainment of the female hamster to reversed photoperiod: role of the pineal. Finkelstein JS, et al. *Physiol Behav* 21(1):105-11, Jul 78
- Effect of prostaglandin F2alpha on ovarian and pituitary function in the mid-luteal phase. Kajanoja P, et al. *Prostaglandins* 16(2):327-32, Aug 78
- The effect of the administration of spironolactone on the concentration of plasma testosterone, estradiol and cortisol in male dogs (I). Menard RH, et al. *Steroids* 31(6):771-82, Jun 78
- [Biochemical basis for the study of steroid hormones (proceedings)] Degrelle H. *Ann Biol Clin (Paris)* 36(3):168-71, 1978 (Fre)
- [Endocrine aspects of ovarian cancer. II. Biochemical and histochemical examinations] Bergleiter R, Liedtke MP, et al. *Zentralbl Gynaekol* 100(15):1004-7, 1978 (Eng. Abstr.) (Ger)

- [Effects of several estrogenic compounds on serum corticosteroid-binding globulin (CBG) and the estrogen thresholds for increasing CBG (author's transl)] Kawagoe S, et al. *Nippon Nihunpi Gakkai Zasshi* 54(5):666-75, 20 May 78 (Eng. Abstr.) (Jpn)
- [Effects of postovulatory synthetic corticosteroid administration on ovarian function in women (author's transl)] Koyama T, et al. *Nippon Nihunpi Gakkai Zasshi* 54(5):648-53, 20 May 78 (Eng. Abstr.) (Jpn)
- [Change in the estradiol, progesterone and testosterone levels in the blood plasma in Stein-Leventhal syndrome] Dokumov S, et al. *Akush Ginekol (Mosk)* (8):33-5, Aug 78 (Rus)
- [Characteristics of the gonadotropic function of the hypothalamo-hypophyseal system in girls with certain forms of gonadal dysgenesis] Safaraliev AR. *Akush Ginekol (Mosk)* (8):27-30, Aug 78 (Rus)
- [Changes in the quality of hormones in blood plasma and ischemic heart disease risk factors in 40--59-year-old men] Gerasimova EN, et al. *Vopr Med Khim* 24(5):657-66, Sep-Oct 78 (Eng. Abstr.) (Rus)

## IMMUNOLOGY

- The effect of passive immunization against estradiol on the regulatory profile and character of labor in the rat. Csapo AI, et al. *Am J Obstet Gynecol* 132(4):464-70, 15 Oct 78
- Impeding estrogens and the etiology of breast cancer. Wotiz HH, et al. *Cancer Res* 38(11 Pt 2):4012-20, Nov 78 (43 ref.)

## ISOLATION &amp; PURIFICATION

- Distribution of cytoplasmic estrogen and progesterone receptors in human endometrium. Tsibris JC, et al. *Am J Obstet Gynecol* 132(4):449-54, 15 Oct 78
- [Use of the method of the ion-exchange paper precipitation of protein receptors to estradiol from the cytosol of the rat hypothalamus and uterus for the study of their physicochemical characteristics] Peryshkova TA, et al. *Lab Delo* (9):542-7, 1978 (Eng. Abstr.) (Rus)

## METABOLISM

- Production and origin of estrogen in two true hermaphrodites. Aiman J, et al. *Am J Obstet Gynecol* 132(4):401-9, 15 Oct 78
- Binding of aldosterone to cytoplasmic and nuclear receptors of the urinary bladder epithelium of *Bufo marinus*. Kusch M, et al. *Am J Physiol* 235(3):C82-9, Sep 78
- A simple, rapid, and precise method for calculating the steroid hormone-receptor complex concentration in the presence of saturating levels of hormone by using 'differential dissociation' techniques. Richard-Foy H, et al. *Anal Biochem* 88(2):367-81, 1 Aug 78
- Estrogen action in the mouse uterus: an additional nuclear event. Korach KS, et al. *Biochem Biophys Res Commun* 83(1):327-33, 14 Jul 78
- Characterization of the estradiol receptor extracted from nuclei by micrococcal nuclease. Andre J, et al. *Biochemistry* 17(17):3619-26, 22 Aug 78
- Conjugated and unconjugated estrogens in fetal and maternal fluids of the pregnant ewe: a possible role for estrone sulfate during early pregnancy. Carnegie JA, et al. *Biol Reprod* 19(1):202-11, Aug 78
- Metabolism of 17beta-estradiol during receptor-mediated nuclear migration in breast cancer cells. Brooks SC, et al. *Cancer Res* 38(11 Pt 2):4238-42, Nov 78
- Human renal cell carcinoma as a hormone-dependent tumor. Concolino G, et al. *Cancer Res* 38(11 Pt 2):4340-4, Nov 78
- Investigation of hormone-receptor interactions by means of fluorescence labeling. Dandliker WB, et al. *Cancer Res* 38(11 Pt 2):4212-24, Nov 78
- Binding characteristics of zearalenone analogs to estrogen receptors. Kiang DT, et al. *Cancer Res* 38(11 Pt 1):3611-5, Nov 78
- Effects of ethidium bromide on the extractability of nuclear receptor-estrogen complex. Müller RE, et al. *Cancer Res* 38(11 Pt 2):4233-7, Nov 78
- Estrogen receptor assay in human mammary carcinoma with the synthetic estrogen 11beta-methoxy-17alpha-ethinyl-1,3,5(10)-estratriene-3,17 (R 2858). Okret S, et al. *Cancer Res* 38(11 Pt 1):3904-9, Nov 78
- Specific binding of estrogens in different fetal tissues of guinea pig during fetal development. Pasqualini JR, et al. *Cancer Res* 38(11 Pt 2):4246-50, Nov 78
- Comparison between different forms of estrogen cytosol receptor and the nuclear receptor extracted by micrococcal



- nuclease. Rochefort H, et al. *Cancer Res* 38(11 Pt 2):4229-32, Nov 78
- Human endometrial cancer cell cultures for hormonal studies. Satyaswaroop PG, et al. *Cancer Res* 38(11 Pt 2):4367-75, Nov 78
- Evidence for two kinds of chromatin binding sites for the estradiol-receptor complex. Senior MB, et al. *Cell* 14(4):857-63, Aug 78
- Autoradiographic distribution studies with 3H-testosterone and 3H-oestradiol-17beta. Buga G, et al. *Cell Mol Biol* 23(1):55-63, 1978
- Ethinylestradiol and norethindrone metabolism by everted sacs of rat ileum. Back DJ, et al. *Contraception* 18(2):127-35, Aug 78
- Steroid binding in the hypothalamus and pituitary. Raynaud JP, et al. *Curr Top Mol Endocrinol* 3:171-89, 1976
- Accumulation and binding of 3H-estradiol-17beta by lymphoid tissues of castrated mice. Seiki K, et al. *Endocrinol Jpn* 25(3):289-94, Jun 78
- Plasma renin substrate sensitivity to oestrogens and oestrogen metabolism in cirrhosis. Degos F, et al. *Eur J Clin Invest* 8(4):243-8, Aug 78
- Inhibition of hen oviduct estradiol receptor by aurintricarboxylic acid. Moudgil VK, et al. *FEBS Lett* 94(2):324-6, 15 Oct 78
- Heterogeneity of estrogen binding sites in the cytosol of the rat uterus. Clark JH, et al. *J Biol Chem* 253(21):7630-4, 10 Nov 78
- Selective binding of mouse estradiol receptor complexes to oligo(dT)-cellulose. Thanki KH, et al. *J Biol Chem* 253(21):7744-50, 10 Nov 78
- Changes in oestradiol-17beta binding in the hypothalamus and pituitary glands of persistently infertile ewes previously exposed to oestrogenic subterranean clover: evidence of alterations to oestradiol receptors. Tang BY, et al. *J Endocrinol* 78(2):171-7, Aug 78
- Diethylstilbestrol binding to estrogen receptor in mammary tissue and uteri of C3H/HeJ mice. Okey AB, et al. *J Natl Cancer Inst* 61(3):719-24, Sep 78
- Determination of the binding properties of estradiol-17beta within the cytoplasmic and nuclear fractions of rat ventral prostate. Armstrong EG Jr, et al. *J Steroid Biochem* 9(6):507-13, Jun 78
- Estrogen-like compounds and progesterone in male and female rats before puberty--II. Effects of administration of ACTH, steroidogenesis inhibitors, dexamethasone and hCG. Audi L, et al. *J Steroid Biochem* 9(7):631-5, Jul 78
- Rat alpha-fetoprotein-estrogen interaction. Aussel C, et al. *J Steroid Biochem* 9(6):547-51, Jun 78
- Estrophilic molecules in the male guinea pig. Blume CD, et al. *J Steroid Biochem* 9(6):515-25, Jun 78
- Characterization of mouse mammary tissue estrogen receptors under conditions of differing hormonal backgrounds. Muldoon TG. *J Steroid Biochem* 9(6):485-94, Jun 78
- Estradiol binding by rat thymus cytosol. Reichman ME, et al. *J Steroid Biochem* 9(7):637-41, Jul 78
- Effect of a steroidal alkylating agent (estramustine phosphate) in rat ventral prostate. Høisaeter PA. *Scand J Urol Nephrol [Suppl]* (46):1-72, 1977
- [Multicomponent system of estrogen-binding proteins of liver cytosol: species differences in rats, mice and guinea pigs] Smirnov AN, et al. *Biull Eksp Biol Med* 86(8):233-5, Aug 78 (Eng. Abstr.) (Rus)
- [Multicomponent system of specific estrogen-binding liver proteins. Some properties of a rapidly dissociating estrogen-binding liver protein from guinea pigs] Smirnov AN, et al. *Probl Endocrinol (Mosk)* 24(5):79-85, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Estrogen receptors of the human breast] El'tsina NV. *Vopr Onkol* 24(8):108-15, 1978 (31 ref.) (Rus)
- PHARMACODYNAMICS**
- Fine structure of rat prolactin cells after treatment with a long acting depot contraceptive. Aumüller G, et al. *Acta Endocrinol (Copenh)* 89(2):251-62, Oct 78
- Cytoplasmic estrogen receptor replenishment: oestrogens versus anti-oestrogens. Baudendistel LJ, et al. *Acta Endocrinol (Copenh)* 89(3):599-611, Nov 78
- On the relative biological and immunoreactive potencies of luteinizing hormone in the oestradiol benzoate-treated male rat. Grotjan HE Jr, et al. *Acta Endocrinol (Copenh)* 89(3):538-50, Nov 78
- Effect of norepinephrine synthesis inhibitors and a dopamine agonist on hypothalamic LH-RH serum gonadotrophin and prolactin levels in gonadal steroid treated rats. Kalra SP, et al. *Acta Endocrinol (Copenh)* 89(1):1-9, Sep 78
- The role of the hypothalamus in the tonic secretion of prolactin induced by oestrogens in the rat. Kato H, et al. *Acta Endocrinol (Copenh)* 89(3):417-24, Nov 78
- The hormonal regulation of hepatic microsomal 11beta-hydroxysteroid dehydrogenase activity in the rat. Lax ER, et al. *Acta Endocrinol (Copenh)* 89(2):352-8, Oct 78
- A heterologous radioimmunoassay for avian prolactin: application to the measurement of prolactin in the turkey. McNeilly AS, et al. *Acta Endocrinol (Copenh)* 89(1):60-9, Sep 78
- Oestrogen induced Leydig cell refractoriness to gonadotrophin stimulation. Saez JM, et al. *Acta Endocrinol (Copenh)* 89(2):379-92, Oct 78
- Absence of association between oestrogen-receptor content and in vitro oestrogen sensitivity in human breast cancer. Poulsen HS. *Acta Pathol Microbiol Scand [A]* 86(2):169-72, Mar 78
- Studies on tuberoinfundibular dopamine neurons. Moore KE, et al. *Adv Biochem Psychopharmacol* 19:193-204, 1978
- Circulatory responses to systemic infusions of estrone and estradiol-17alpha in nonpregnant, oophorectomized ewes. Rosenfeld CR, et al. *Am J Obstet Gynecol* 132(4):442-8, 15 Oct 78
- Bipotentiality of response to sex hormones by the prostate of castrated or hypophysectomized dogs. Direct effects of estrogen. Leav I, et al. *Am J Pathol* 93(1):69-92, Oct 78
- Influence of estrogen on renal vitamin D hydroxylases and serum 1alpha,25-(OH)2D3 in chicks. Pike JW, et al. *Am J Physiol* 235(3):E338-43, Sep 78
- Estrogen action in the mouse uterus: an additional nuclear event. Korach KS, et al. *Biochem Biophys Res Commun* 83(1):327-33, 14 Jul 78
- Estrogen induction of ornithine aminotransferase in rat kidney slices. Wu C. *Biochem Biophys Res Commun* 82(3):782-6, 14 Jun 78
- Ontogeny of the vitellogenic response to oestradiol and of the soluble nuclear estrogen receptor in embryonic-chick liver. Lazier CB. *Biochem J* 174(1):143-52, 15 Jul 78
- Oestrogen-induced cholesterol and fatty acid biosynthesis in *Xenopus laevis* liver during vitellogenic response. Smith DF, et al. *Biochem J* 174(2):353-61, 15 Aug 78
- Effect of oestrogen and 1,25-dihydroxycholecalciferol on 25-hydroxycholecalciferol metabolism in primary chick kidney-cell cultures. Spanos E, et al. *Biochem J* 174(1):231-6, 15 Jul 78
- Characterization of soluble uterine cyclic nucleotide phosphodiesterase. Gardner EA, et al. *Biochemistry* 17(15):2995-3000, 25 Jul 78
- RNA transcription and uterine growth: differential effects of estradiol, estril, and nafoxidine on chromatin RNA initiation sites. Markaverich BM, et al. *Biochemistry* 17(15):3146-52, 25 Jul 78
- Effects of estradiol on serum and pituitary gonadotropin concentrations during selective elevation of follicle stimulating hormone. Chappel SC, et al. *Biol Reprod* 19(1):159-66, Aug 78
- Effects of ovarian steroids on spontaneous and nerve-induced electrical activity of the oviduct and its attached membranes in the rabbit. Meiri U, et al. *Biol Reprod* 19(1):183-93, Aug 78
- Luteinizing hormone regulation in the monkey (Macaca nemestrina): failure of testosterone and dihydrotestosterone to block the estrogen-induced gonadotropin surge. Steiner RA, et al. *Biol Reprod* 19(1):51-6, Aug 78
- Cyclic gonadotropin release in the presence and absence of estrogenic feedback in ovariectomized golden hamsters. Stetson MH, et al. *Biol Reprod* 19(1):40-50, Aug 78
- The effect of sex steroids on the in vitro synthesis of DNA by malignant ovarian tumours. Darwish DH. *Br J Obstet Gynaecol* 85(8):627-33, Aug 78
- Effects of estrogen and progesterone on plasma gonadotropins and on catecholamine levels and turnover in discrete brain regions of ovariectomized rats. Crowley WR, et al. *Brain Res* 154(2):345-57, 13 Oct 78
- Effect of the skin chalone on the epidermis and other tissues in the mouse. A reappraisal of the concept of chalone specificity. Heenen M, et al. *Bull Cancer (Paris)* 65(2):227-30, 1978
- Antagonistic action between cyclic AMP and estrogen in phosphorylation of mammary tumor nuclear proteins. Cho-chung YS, et al. *Cancer Lett* 5(4):219-24, Oct 78
- Antagonistic action between cyclic adenosine 3':5'-monophosphate and estrogen in rat mammary tumor growth control. Cho-Chung YS. *Cancer Res* 38(11 Pt 2):4071-5, Nov 78
- Combined effects of testosterone and estradiol on rat ventral prostate in organ culture. Feyel-Cabanes T, et al. *Cancer Res* 38(11 Pt 2):4126-34, Nov 78
- Androgen effects mediated by estrogen receptor in 7,12-dimethylbenz(a)anthracene-induced rat mammary tumors. Garcia M, et al. *Cancer Res* 38(11 Pt 1):3922-9, Nov 78



- Regulatory interrelationships for insulin and estrogen action in mammary tumors. Hilf R, et al. *Cancer Res* 38(11 Pt 2):4076-85, Nov 78
- Relation between steroid receptor content and the response to hormone addition in isolated human breast cancer cells in short-term culture. Israel N, et al. *Cancer Res* 38(11 Pt 2):4314-7, Nov 78
- Binding characteristics of zearalenone analogs to estrogen receptors. Kiang DT, et al. *Cancer Res* 38(11 Pt 1):3611-5, Nov 78
- Prolactin and the development and progression of early neoplastic mammary gland lesions. Welsch CW. *Cancer Res* 38(11 Pt 2):4054-8, Nov 78
- Impeding estrogens and the etiology of breast cancer. Wotiz HH, et al. *Cancer Res* 38(11 Pt 2):4012-20, Nov 78 (43 ref.)
- Effects of estradiol on early messenger RNA in male *Xenopus laevis* liver. Lancelos KD. *Cell Differ* 7(5):259-70, Oct 78
- Analysis of the progression of meiosis in dispersed rat testicular cells by flow cytofluorometry. Libbus BL, et al. *Cell Tissue Kinet* 11(4):377-91, Jul 78
- The effect of sex hormones on the proximal tubules in the rat kidney. Schiebeler TH, et al. *Cell Tissue Res* 192(3):527-49, 26 Sep 78
- Effect of Cu<sup>2+</sup> ions on the binding of estrogen to the human myometrial estrogen binding protein. Lövgren T, et al. *Contraception* 18(2):181-90, Aug 78
- The role of estradiol in modulating LH and FSH response to gonadotropin releasing hormone. Jaffe RB, et al. *Curr Top Mol Endocrinol* 3:211-54, 1976
- New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al. *Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)
- Steroid binding in the hypothalamus and pituitary. Raynaud JP, et al. *Curr Top Mol Endocrinol* 3:171-89, 1976
- Tissue culture of human breast tumours. Bishun NP, et al. *Cytobios* 19(74):101-7, 1977
- Studies on the time and localization of the puberal desensitization to oestrogen in female rats. Döcke F, et al. *Endokrinologie* 71(3):257-65, Mar 78
- The adrenal cortex and the luteotrophic action of estrogens during the estrous cycle in the rat. Hassani M, et al. *Endokrinologie* 72(1):43-50, Apr 78
- Sex differences in adrenocortical structure and function. IV. Effects of postpubertal gonadectomy and sex hormones on adrenal steroid 5 $\alpha$ -reductase activity in the rat. Malendowicz LK, et al. *Endokrinologie* 72(1):36-42, Apr 78
- Purification of vitellogenin mRNA and serum albumin mRNA from avian liver by preparative gel electrophoresis. Wieringa B, et al. *Eur J Biochem* 89(1):67-79, 15 Aug 78
- In vitro effects of oestrogen on testosterone metabolism by human breast cancers. Miller WR, et al. *Eur J Cancer* 14(8):865-7, Aug 78
- Plasma renin substrate sensitivity to oestrogens and oestrogen metabolism in cirrhosis. Degos F, et al. *Eur J Clin Invest* 8(4):243-8, Aug 78
- Studies on the renal pigment of estrogen-treated rats histochemistry and electron microscopy. Monserrat AJ, et al. *Exp Mol Pathol* 29(2):211-27, Oct 78
- Vitamin D metabolism in bullfrogs and Japanese quail: effects of estradiol and prolactin. Baksi SN, et al. *Gen Comp Endocrinol* 35(3):258-62, Jul 78
- Comparison of the effects of estradiol-17 $\beta$  and the synthetic estrogen, RU-2858, on lordosis behavior in adult female rats and guinea pigs. Landau IT, et al. *Horm Behav* 10(2):143-55, Apr 78
- The estrogenic arousal of aggressive behavior in female mice. Simon NG, et al. *Horm Behav* 10(2):118-27, Apr 78
- Masculinization and defeminization induced in female hamsters by neonatal treatment with estradiol benzoate and RU-2858. Whalen RE, et al. *Horm Behav* 10(2):170-7, Apr 78
- Effects of steroidal hormones on sexual, attack, and search behavior in the isolated male chick. Young CE, et al. *Horm Behav* 10(2):107-17, Apr 78
- Effect of sex hormones on the circadian rhythm of slow-wave and paradoxical sleep in female rats. pp. 132-6. Kawakami M, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Circadian pattern of secretion of hormones by the anterior pituitary gland with particular reference to the involvement of serotonin in their rhythmic regulation. pp. 163-71. Kordon C, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Normal human endometrium in cell culture. I. Separation and characterization of epithelial and stromal components in vitro. Kirk D, et al. *In Vitro* 14(8):651-62, Aug 78
- Changes in rat plasma hydroxyproline during estrus & estrogen treatment. Amma MK, et al. *Indian J Exp Biol* 16(7):806-8, Jul 78
- Adrenocortical responses to sex hormonal administration in three avian species: the parakeet *Psittacula krameri*, the quail *Coturnix coturnix* & the common Myna *Acridotheres tristis*. Manna CK. *Indian J Exp Biol* 16(6):645-7, Jun 78
- Effect of estrogen on sensitivity of rabbit bladder and urethra to phenylephrine. Hodgson BJ, et al. *Invest Urol* 16(1):67-9, Jul 78
- Taste aversion as a method for assessing the effects of gonadal hormones on behaviour. Earley CJ. *Ir J Med Sci* 147 Suppl 1:24-7, Aug 78
- Promotion of human adipocyte precursor replication by 17 $\beta$ -estradiol in culture. Roncari DA, et al. *J Clin Invest* 62(3):503-8, Sep 78
- Oestrogenic induction of sexual behaviour in ovariectomized ferrets housed under short or long photoperiods. Baum MJ, et al. *J Endocrinol* 78(2):295-6, Aug 78
- Failure of indomethacin and D-2-Bromolysergic acid diethylamide to modify the acute oedematous reaction to oestradiol in the uterus of the immature rat. Brandon JM. *J Endocrinol* 78(2):291-2, Aug 78
- Effects of age and ovarian function on the pituitary-thyroid system in female rats. Chen HJ, et al. *J Endocrinol* 78(2):225-32, Aug 78
- Increase in concanavalin A binding sites in mouse blastocysts during implantation. Wu JT, et al. *J Exp Zool* 205(3):447-53, Sep 78
- Primary culture of rat mammary epithelial cells. I. Effect of plating density, hormones, and serum on DNA synthesis. Richards J, et al. *J Natl Cancer Inst* 61(3):765-71, Sep 78
- Progesterone-induced decrease of pineal protein synthesis in rats. Possible participation in estrous-related changes of pineal function. Cardinali DP, et al. *J Neural Transm* 42(3):193-205, 1978
- Effects of pimozone and bromocriptine on anterior pituitary cell proliferation. Stepień H, et al. *J Neural Transm* 42(3):239-44, 1978
- Induction of sulfogalactosylceramide (sulfatide) synthesis by hydrocortisone (cortisol) in mouse G-26 oligodendrogloma cell strains. Dawson G, et al. *J Neurochem* 31(4):1091-4, Oct 78
- Sexual behaviour responses of the ovariectomized ewe to oestradiol benzoate, and their persistent reduction after exposure to phyto-oestrogens. Adams NR. *J Reprod Fertil* 53(2):203-8, Jul 78
- Effect of oestrogen on fetal survival in the rabbit. Badawy S, et al. *J Reprod Fertil* 53(2):237-9, Jul 78
- The metabolism and motility of human spermatozoa in the presence of steroid hormones and synthetic progestagens. Hyne RV, et al. *J Reprod Fertil* 53(2):315-22, Jul 78
- Effects of RMI 12,936, a synthetic antiprogesterational steroid, on the oestrous cycle and ovulation in the rat. Kendle KE, et al. *J Reprod Fertil* 53(2):363-8, Jul 78
- Oestrous and ovarian responses to exogenous progesterone and oestrogen in prepubertal ewe lambs in relation to the fecundity of their dams. Whyman D. *J Reprod Fertil* 53(2):323-30, Jul 78
- Pituitary uterotrophic effect in the estrogen-dependent growth of the rat uterus. Sonnenschein C, et al. *J Steroid Biochem* 9(6):533-7, Jun 78
- Effect of various agents and physical damage on giant cell formation in bovine aortic endothelial cell cultures. Tulloss JH, et al. *Microvasc Res* 16(1):51-8, Jul 78
- Sensitisation of pituitary cells to luteinising hormone releasing hormone by clomiphene citrate in vitro. Hsueh AJ, et al. *Nature* 273(5657):57-9, 4 May 78
- Artificial menstrual cycles, behaviour and the role of androgens in female rhesus monkeys. Michael RP, et al. *Nature* 275(5679):439-40, 5 Oct 78
- Inhibition of estrogen-induced sexual receptivity of female hamsters: comparative effects of progesterone, dihydrotestosterone and an estrogen antagonist. De Bold JF, et al. *Pharmacol Biochem Behav* 9(1):81-6, Jul 78
- Effects of ovariectomy and hormone replacement on DRL behavior in the rat. Lentz FE Jr, et al. *Physiol Behav* 20(4):477-80, Apr 78
- Further studies on estrogen-induced maternal behavior in hysterectomized-ovariectomized virgin rats. Siegel HI, et al. *Physiol Behav* 21(1):99-103, Jul 78
- Effects of sex hormones on cardiovascular and hematologic responses to chronic hypoxia in rats. Moore LG, et al. *Proc Soc Exp Biol Med* 158(4):658-62, Sep 78
- Aldehyde dehydrogenase activity in the male rat reproductive tissues. Messiha FS, et al. *Proc West Pharmacol Soc* 21:353-6, 1978
- Stimulation by estradiol benzoate of hepatic beta-hydroxy-beta-methylglutaryl coenzyme a reductase in normal and ovariectomized rats. Abul-Hajj YJ. *Steroids* 31(6):841-7, Jun 78

## ESTRADIOL

- [Comparison of estradiol benzoate and dihydrotestosterone propionate with testosterone propionate on the induction of male-like sexual behavior in female sheep ovariectomized as adults] Fabre C, et al. *C R Acad Sci [D]* (Paris) 286(21):1527-30, 29 May 78 (Eng. Abstr.) (Fre)
- [Early effect of estradiol on ultrastructure of chromatin in the endometrium and hormone-dependent mammary tumors] Vic P, et al. *C R Acad Sci [D]* (Paris) 287(3):141-4, 17 Jul 78 (Eng. Abstr.) (Fre)
- [Modifications in the liver and elaboration of vitelline proteins during vitellogenesis following hormone treatments in *Spondyliosoma cantharus* L.] Etessami S, et al. *C R Soc Biol* (Paris) 172(1):43-6, 1978 (Eng. Abstr.) (Fre)
- [Role played by the adrenal cortex on the luteotrophic action of estrogens during the rat estrus cycle] Hassani M. *C R Soc Biol* (Paris) 172(1):167-71, 1978 (Eng. Abstr.) (Fre)
- [Mechanism involved in the basal body temperature--effects of sex hormones and gonadotropin on the temperature regulation system in rats] Kawakami M, et al. *Horumon To Rinsho* 26(6):603-9, Jun 78 (Jpn)
- [Age and increase in the sensitivity threshold of the tonic region of the hypothalamic sex center to inhibition by estradiol in female rats] Anisimov VN, et al. *Biull Eksp Biol Med* 86(8):228-30, Aug 78 (Eng. Abstr.) (Rus)
- [Estradiol-receptor system of the hypothalamo-hypophyseal structure] Shchedrina RN, et al. *Probl Endokrinol* (Mosk) 24(5):111-7, Sep-Oct 78 (Rus)

### PHYSIOLOGY

- The effect of passive immunization against estradiol on the regulatory profile and character of labor in the rat. Csapo AI, et al. *Am J Obstet Gynecol* 132(4):464-70, 15 Oct 78
- The role of estradiol in modulating LH and FSH response to gonadotropin releasing hormone. Jaffe RB, et al. *Curr Top Mol Endocrinol* 3:211-54, 1976
- [New acquisitions on the hormonal regulation of the menstrual cycle] Kyank H, et al. *Z Aerzt Fortbild* (Jena) 72(15):710-9, 1 Aug 78 (Ger)

### SECRETION

- Secretion of steroids after induced luteal regression in beef heifers: effects of PGF2 alpha and removal of corpora lutea. Fogwell RL, et al. *J Anim Sci* 46(6):1718-23, Jun 78

### THERAPEUTIC USE

- Testosterone metabolism in patients with advanced carcinoma of the prostate: a comparative in vivo study of the effects of oestrogen and antiprolactin. Jacobi GH, et al. *Urol Res* 6(3):159-65, 1 Sep 78

## ESTRADIOL ANTAGONISTS

- Luteinizing hormone regulation in the monkey (*Macaca nemestrina*): failure of testosterone and dihydrotestosterone to block the estrogen-induced gonadotropin surge. Steiner RA, et al. *Biol Reprod* 19(1):51-6, Aug 78
- Impeding estrogens and the etiology of breast cancer. Wotiz HH, et al. *Cancer Res* 38(11 Pt 2):4012-20, Nov 78 (43 ref.)

## ESTRIOL

### ADMINISTRATION & DOSAGE

- Extra-amniotic oestrogens for the unfavourable cervix [letter] Thierry M, et al. *Lancet* 2(8094):835-6, 14 Oct 78

### ANALOGS & DERIVATIVES

- Impeding estrogens and the etiology of breast cancer. Wotiz HH, et al. *Cancer Res* 38(11 Pt 2):4012-20, Nov 78 (43 ref.)

### ANALYSIS

- Detection of estrogen-like compounds by thin-layer chromatography. Wortberg B, et al. *J Chromatogr* 156(1):205-10, 21 Aug 78

### BLOOD

- Assessment of placental function in uncomplicated and complicated late pregnancy by estimation of unconjugated

## GONADS

- oestrogens in plasma after an intravenous injection of dehydroepiandrosterone sulphate. Axelsson O, et al. *Acta Endocrinol* (Copenh) 89(2):359-71, Oct 78
- Study of the kinetics of conversion of maternal plasma dehydroisoandrosterone sulfate to 16 alpha-hydroxydehydroisoandrosterone sulfate, estradiol, and estriol. Madden JD, et al. *Am J Obstet Gynecol* 132(4):392-5, 15 Oct 78
- Unconjugated serum oestriol levels in mother and baby with meconium staining of the amniotic fluid. Gorwill RH, et al. *Br J Obstet Gynaecol* 85(8):602-4, Aug 78
- Plasma unconjugated oestriol in late pregnancy: circadian variation and the effect of meals and a glucose load. Hull MG, et al. *Br J Obstet Gynaecol* 85(9):645-51, Sep 78
- Plasma hormone profiles of young women at risk for familial breast cancer. Fishman J, et al. *Cancer Res* 38(11 Pt 2):4006-11, Nov 78
- Relationship between urine and plasma estrogen ratios. Longcope C, et al. *Cancer Res* 38(11 Pt 2):4025-8, Nov 78
- Plasma estriol vs. estrogen assays in 24-h urines as an index to fetal status. Kirkish LS, et al. *Clin Chem* 24(10):1830-2, Oct 78
- Maternal and fetal plasma steroid hormone levels in vaginal delivery with and without ACTH infusion. Miyakawa I, et al. *Int J Gynaecol Obstet* 15(6):539-44, 1978
- Unconjugated estriol and cortisol in maternal and cord serum and amniotic fluid in normal and abnormal pregnancy. Goldkrand JW. *Obstet Gynecol* 52(3):264-71, Sep 78
- [The value of determinations of human chorionic gonadotrophin, human placental lactogen, progesterone and oestriol in women with threatened abortion (author's transl)] Gerhard I, et al. *Geburtsilfe Frauenheilkd* 38(10):785-99, Oct 78 (Eng. Abstr.) (Ger)
- [Serum level of non-conjugated estriol in normal and abnormal pregnancy] Doszpod J, et al. *Orv Hetil* 119(44):2671-3, 29 Oct 78 (Hun)
- [Behavior of some hormones in pregnancy and their influence on carbohydrate metabolism] Cappa F, et al. *Boll Soc Ital Biol Sper* 54(7):647-50, 15 Apr 78 (Ita)

### METABOLISM

- Fetal heart rate reaction to amniocentesis as an indicator of fetal well-being. Harrigan JT, et al. *Am J Obstet Gynecol* 132(1):49-52, 1 Sep 78
- Determination of the binding properties of estradiol-17beta within the cytoplasmic and nuclear fractions of rat ventral prostate. Armstrong EG Jr, et al. *J Steroid Biochem* 9(6):507-13, Jun 78
- Unconjugated estriol and cortisol in maternal and cord serum and amniotic fluid in normal and abnormal pregnancy. Goldkrand JW. *Obstet Gynecol* 52(3):264-71, Sep 78

### PHARMACODYNAMICS

- RNA transcription and uterine growth: differential effects of estradiol, estriol, and nafoxidine on chromatin RNA initiation sites. Markaverich BM, et al. *Biochemistry* 17(15):3146-52, 25 Jul 78
- Impeding estrogens and the etiology of breast cancer. Wotiz HH, et al. *Cancer Res* 38(11 Pt 2):4012-20, Nov 78 (43 ref.)
- [Estriol succinate and its effect on the contractility of the human uterus during the climacteric] Romero-Salinas, et al. *Ginecol Obstet Mex* 43(258):269-78, Apr 78 (Eng. Abstr.) (Spa)

### PHYSIOLOGY

- [Behavior of some hormones in pregnancy and their influence on carbohydrate metabolism] Cappa F, et al. *Boll Soc Ital Biol Sper* 54(7):647-50, 15 Apr 78 (Ita)

### THERAPEUTIC USE

- [Prevention of special complications in gynecologic surgery] Börner P. *Fortschr Med* 96(33):1662-5, 7 Sep 78 (Ger)

### URINE

- Oestrogen treatment and subsequent pregnancy in two patients with severe hypergonadotrophic ovarian failure. Starup J, et al. *Acta Endocrinol* (Copenh) 89(1):149-57, Sep 78
- CAP, HCS and urinary oestriol assays in diabetic pregnancy. Rydén G, et al. *Acta Obstet Gynecol Scand* 57(4):313-6, 1978
- Effects of monitoring high-risk pregnancies and intrapartum FHR monitoring on perinates. Hamilton LA Jr, et al. *Int J Gynaecol Obstet* 15(6):483-90, 1978
- Outpatient management of placental insufficiency with



## GONADS

- heparin. Berg D, et al. *J Perinat Med* 6(3):141-8, 1978  
Enhanced red cell oxygen transport in a pregnant woman with hemoglobin SD disease. Zaroulis CG, et al. *Obstet Gynecol* 52(3):358-60, Sep 78  
[Prolonged pregnancy] Katsulov A. *Akush Ginekol (Sofia)* 17(4):288-95, 1978 (56 ref.) (Bul)  
[Serum level of non-conjugated estriol in normal and abnormal pregnancy] Doszpod J, et al. *Orv Hetil* 119(44):2671-3, 29 Oct 78 (Hun)

## ESTROGEN ANTAGONISTS

- Hormonal control of liver prolactin receptors. Kelly PA, et al. *Curr Top Mol Endocrinol* 3:321-35, 1976 (27 ref.)  
Aromatization and androgen stimulation of sexual behavior in male and female rats. Yahr P, et al. *Horm Behav* 10(2):128-42, Apr 78

### METABOLISM

- Investigation of hormone-receptor interactions by means of fluorescence labeling. Dandliker WB, et al. *Cancer Res* 38(11 Pt 2):4212-24, Nov 78

### PHARMACODYNAMICS

- Cytoplasmic oestrogen receptor replenishment: oestrogens versus anti-oestrogens. Baudendistel LJ, et al. *Acta Endocrinol (Copenh)* 89(3):599-611, Nov 78  
Estrogen induction of ornithine aminotransferase in rat kidney slices. Wu C. *Biochem Biophys Res Commun* 82(3):782-6, 14 Jun 78

### THERAPEUTIC USE

- Role of pituitary hormones in the growth of human breast cancer. Pearson OH, et al. *Cancer Res* 38(11 Pt 2):4323-6, Nov 78  
New role of endocrine therapy in breast cancer. Kennedy BJ. *Int J Radiat Oncol Biol Phys* 4(5-6):469-72, May-Jun 78  
Prophylactic versus therapeutic castration in the total treatment of breast cancer. Lewison EF. *Int J Radiat Oncol Biol Phys* 4(5-6):477-80, May-Jun 78

## ESTROGENIC SUBSTANCES, CONJUGATED

### ADMINISTRATION & DOSAGE

- Effect of premenopausal castration and incremental dosages of conjugated equine estrogens on plasma follicle-stimulating hormone, luteinizing hormone, and estradiol. Utian WH, et al. *Am J Obstet Gynecol* 132(3):297-302, 1 Oct 78

### ADVERSE EFFECTS

- [Estrogen treatment of excessively tall girls (author's transl)] Klittich L, et al. *Geburtshilfe Frauenheilkd* 38(10):831-9, Oct 78 (Eng. Abstr.) (Ger)

### METABOLISM

- Conjugated and unconjugated estrogens in fetal and maternal fluids of the pregnant ewe: a possible role for estrone sulfate during early pregnancy. Carnegie JA, et al. *Biol Reprod* 19(1):202-11, Aug 78

### PHARMACODYNAMICS

- Effect of premenopausal castration and incremental dosages of conjugated equine estrogens on plasma follicle-stimulating hormone, luteinizing hormone, and estradiol. Utian WH, et al. *Am J Obstet Gynecol* 132(3):297-302, 1 Oct 78  
[Effects of several estrogenic compounds on serum corticosteroid-binding globulin (CBG) and the estrogen thresholds for increasing CBG (author's transl)] Kawagoe S, et al. *Nippon Naibunpi Gakkai Zasshi* 54(5):666-75, 20 May 78 (Eng. Abstr.) (Jpn)

### THERAPEUTIC USE

- [Estrogen treatment of excessively tall girls (author's transl)]

## ESTROGENS

- Klittich L, et al. *Geburtshilfe Frauenheilkd* 38(10):831-9, Oct 78 (Eng. Abstr.) (Ger)

### URINE

- Steady-state urinary excretion method for determining bioequivalence of conjugated estrogen products. Johnson RN, et al. *J Pharm Sci* 67(9):1218-24, Sep 78

## ESTROGENS

- Distributing estrogen patient package inserts to institutional patients. Kay BG, et al. *Am J Hosp Pharm* 35(9):1071-2, Sep 78  
Estrogenic activity of DQ1--a steroidal lactone--isolated from *Datura quercifolia*. Chandhoke N, et al. *Indian J Exp Biol* 16(6):648-52, Jun 78  
Simultaneous solubilization of steroid hormones I: estrogens and C21 steroids. Lövgren T, et al. *J Pharm Sci* 67(10):1419-22, Oct 78  
Sexual behaviour responses of the ovariectomized ewe to oestradiol benzoate, and their persistent reduction after exposure to phyto-oestrogens. Adams NR. *J Reprod Fertil* 53(2):203-8, Jul 78  
The effects of an increase in endogenous oestrogen on the haemostatic mechanism. Toy JL, et al. *Thromb Haemost* 39(3):683-8, 30 Jun 78

### ADMINISTRATION & DOSAGE

- Induction of parturition in beef cattle using estrogens in conjunction with dexamethasone. Barth AD, et al. *Can Vet J* 19(7):175-80, Jul 78  
Alternative analytic methods for case-control studies of estrogens and endometrial cancer. Horwitz RI, et al. *N Engl J Med* 299(20):1089-94, 16 Nov 78  
Correcting a bias? [editorial] Hutchison GB, et al. *N Engl J Med* 299(20):1129-30, 16 Nov 78  
Estrogen therapy. Kim MH, et al. *Ohio State Med J* 74(11):691-706, Nov 78  
Dopaminergic control of adenohipophyseal growth after oestrogens: negative results with L-DOPA, RO-4-4602, alpha-methyl-DOPA, apomorphine, haloperidol, pyridoxine and cyproheptadine. Schreiber V, et al. *Physiol Bohemoslov* 27(4):308-12, 1978  
The effect of hexose monophosphate shunt inhibitors on adenohipophyseal and ceruloplasmin reactions to oestrogen. Schreiber V, et al. *Physiol Bohemoslov* 27(4):301-7, 1978  
[Puberty acne (letter)] Steigleder GK. *Dtsch Med Wochenschr* 103(41):1592, 13 Oct 78 (Ger)  
[Postcoital contraception] Beckmann M, et al. *Med Welt* 29(40):1576-8, 6 Oct 78 (Ger)  
[Experimental studies on the effect of long-term oestrogens on contrast excretion during intravenous urography (author's transl)] Voigt R, et al. *ROEFO* 129(2):212-4, Aug 78 (Eng. Abstr.) (Ger)

### ADVERSE EFFECTS

- Cancer and estrogen use [news] *AORN J* 28(4):594, Oct 78  
Gynecologic problems of menopausal women: Part 3. Changes in extragenital tissues and sexuality. Notelovitz M. *Geriatrics* 33(10):51-3, 57-8, Oct 78  
Festschrift in honour of C.A. Hoare on the occasion of his 85th birthday [editorial] *J Trop Med Hyg* 81(8):141, Aug 78  
Estrogen and the postmenopausal breast. Mammographic considerations. Peck DR, et al. *JAMA* 240(16):1733-5, 13 Oct 78  
Alternative analytic methods for case-control studies of estrogens and endometrial cancer. Horwitz RI, et al. *N Engl J Med* 299(20):1089-94, 16 Nov 78  
Correcting a bias? [editorial] Hutchison GB, et al. *N Engl J Med* 299(20):1129-30, 16 Nov 78  
Estrogen therapy. Kim MH, et al. *Ohio State Med J* 74(11):691-706, Nov 78  
The role of hormones in endometrial cancer. Gambrell RD Jr. *South Med J* 71(10):1280-6, 1293, Oct 78 (45 ref.)  
Do natural estrogens pose an increased risk of thrombosis in postmenopausal women? Gitel SN, et al. *Thromb Res* 13(2):279-83, Aug 78  
[Postmenopause and estrogen substitution] Jaszmann LJ. *Tijdschr Ziekverpl* 31(18):822-9, 5 Sep 78 (Dut)  
[Drug-induced depression] Löö H, et al. *Rev Prat* 28(39):2989-94, 11 Sep 78 (Eng. Abstr.) (Fre)  
[Cardiovascular complications of oestrogen treatment in prostatic carcinoma (author's transl)] Héritier P, et al. *Ther Umsch* 35(10):841-4, Oct 78 (Eng. Abstr.) (Fre)

## ESTROGENS

### ANALYSIS

- Carcinogens and analogs: trace analysis of thirteen compounds in admixture in wastewater and human urine. Nony CR, et al. *Int J Environ Anal Chem* 5(3):203-20, 1978
- Detection of estrogen-like compounds by thin-layer chromatography. Wortberg B, et al. *J Chromatogr* 156(1):205-10, 21 Aug 78
- [Secondary amenorrhea after hormonal contraceptives] Lauritzen C. *Med Klin* 73(39):1343-50, 29 Sep 78 (52 ref.) (Ger)

### BIOSYNTHESIS

- Steroid hormones and endometrial cancer. Siiteri PK. *Cancer Res* 38(11 Pt 2):4360-6, Nov 78 (74 ref.)
- Studies on the metabolism of neutral steroids by preimplantation rabbit blastocysts in vitro and the origin of blastocyst estrogen. Singh MM, et al. *J Reprod Fertil* 53(2):297-304, Jul 78

### BLOOD

- Assessment of placental function in uncomplicated and complicated late pregnancy by estimation of unconjugated oestrogens in plasma after an intravenous injection of dehydroepiandrosterone sulphate. Axelsson O, et al. *Acta Endocrinol (Copenh)* 89(2):359-71, Oct 78
- Pituitary and ovarian hormonal response to 48 h gonadotrophin releasing hormone (GnRH) infusions in female Rhesus monkeys. Ferin M, et al. *Acta Endocrinol (Copenh)* 89(1) Sep 78
- An anthropological perspective on the evolution and lateralization of the brain. Dawson JL. *Ann NY Acad Sci* 299:424-47, 30 Sep 77
- Nutritional carcinogenesis. Wynder EL. *Ann NY Acad Sci* 300:360-78, 30 Nov 77
- Conjugated and unconjugated estrogens in fetal and maternal fluids of the pregnant ewe: a possible role for estrone sulfate during early pregnancy. Carnegie JA, et al. *Biol Reprod* 19(1):202-11, Aug 78
- Plasma hormone profiles of young women at risk for familial breast cancer. Fishman J, et al. *Cancer Res* 38(11 Pt 2):4006-11, Nov 78
- Estradiol and progesterone receptor levels in human breast adenocarcinoma in relation to plasma estrogen and progesterone levels. Saez S, et al. *Cancer Res* 38(10):3468-73, Oct 78
- Is there a high-affinity estrogen binder in human serum? [letter] Algard FT, et al. *Clin Chem* 24(10):1848-9, Oct 78
- Gynecomastia induced in normal males by spironolactone. Huffman DH, et al. *Clin Pharmacol Ther* 24(4):465-73, Oct 78
- Therapeutic use of luteinizing hormone-releasing hormone in the human female. Nillius SJ. *Curr Top Mol Endocrinol* 3:93-112, 1976
- Maternal and fetal plasma steroid hormone levels in vaginal delivery with and without ACTH infusion. Miyakawa I, et al. *Int J Gynaecol Obstet* 15(6):539-44, 1978
- The psychobiology of premenstrual dysphoria: the role of prolactin. Carroll BJ, et al. *Psychoneuroendocrinology* 3(2):171-80, Apr 78
- Endocrine effects of cannabis in male rats. Maskarinec MP, et al. *Toxicol Appl Pharmacol* 45(2):617-28, Aug 78
- [Deficient function of the hypothalamic centers as a cause of primary amenorrhea] Bogdanova EA, et al. *Akush Ginekol (Mosk)* 8(2):4-7, Aug 78 (Eng. Abstr.) (Rus)
- [Dyshormonal tumors (a review of the literature)] Lekhtman MN. *Zdravookhr Kirg* (5):51-8, Sep-Oct 78 (Rus)

### DEFICIENCY

- Effects of pelvic relaxation on gynecologic urologic problems. Nichols DH. *Clin Obstet Gynecol* 21(3):759-74, Sep 78

### GENETICS

- [Genetic factors in the etiology of breast cancer (author's transl)] Sancho-Garnier H, et al. *Bull Cancer (Paris)* 65(2):127-30, 1978 (27 ref.) (Eng. Abstr.) (Fre)

### IMMUNOLOGY

- [Effect of hormones on cellular and humoral immunity in pregnancy] Gulianskii LN. *Akush Ginekol (Mosk)* (9):1-5, Sep 78 (47 ref.) (Rus)

## GONADS

### METABOLISM

- Cytochemical study of estrogen receptor in human mammary cancer. Lee SH. *Am J Clin Pathol* 70(2):197-203, Aug 78
- Properties of enzyme systems involved in the formation of catechol estrogen glutathione conjugates in rat liver microsomes. Numazawa M, et al. *Biochem Pharmacol* 27(14):1833-8, 1978
- Conjugated and unconjugated estrogens in fetal and maternal fluids of the pregnant ewe: a possible role for estrone sulfate during early pregnancy. Carnegie JA, et al. *Biol Reprod* 19(1):202-11, Aug 78
- Carcinoma of the male breast and oestrogen metabolism [letter] Ribeiro GG. *Br Med J* 2(6136):570, 19 Aug 78
- Relationship between urine and plasma estrogen ratios. Longcope C, et al. *Cancer Res* 38(11 Pt 2):4025-8, Nov 78
- Influence of steroidal alkylating agents on the growth and estrogen binding capacity of R3230AC mammary carcinoma of the rat [proceedings] Wittliff JL, et al. *Cancer Treat Rep* 62(8):1260-2, Aug 78
- The relationship between oestrogen status and bone loss in post-menopausal women. Nordin BE, et al. *Clin Endocrinol (Oxf)* 5 Suppl:353S-361S, 1976
- Concurrent hypertension and pregnancy. Welt SI, et al. *Clin Obstet Gynecol* 21(3):619-48, Sep 78 (80 ref.)
- Steroid binding in the hypothalamus and pituitary. Raynaud JP, et al. *Curr Top Mol Endocrinol* 3:171-89, 1976
- Plasma renin substrate sensitivity to oestrogens and oestrogen metabolism in cirrhosis. Degos F, et al. *Eur J Clin Invest* 8(4):243-8, Aug 78
- Aromatization and androgen stimulation of sexual behavior in male and female rats. Yahr P, et al. *Horm Behav* 10(2):128-42, Apr 78
- Rat alpha-fetoprotein-estrogen interaction. Aussel C, et al. *J Steroid Biochem* 9(6):547-51, Jun 78
- Human alpha-fetoprotein (AFP) developmental and biological characteristics. Alpert W. *UCLA Forum Med Sci* 20:19-26, 1978 (47 ref.)
- [Prolactin] Lamberts SW, et al. *Ned Tijdschr Geneesk* 122(36):1327-34, 9 Sep 78 (47 ref.) (Dut)
- [Carcinofetal antigens (author's transl)] Hirai H. *Tanpakushitsu Kakusan Koso* 23(6):579-93, May 78 (127 ref.) (Jpn)
- [Multicomponent system of specific estrogen-binding liver proteins. Some properties of a rapidly dissociating estrogen-binding liver protein from guinea pigs] Smirnov AN, et al. *Probl Endokrinol (Mosk)* 24(5):79-85, Sep-Oct 78 (Eng. Abstr.) (Rus)

### PHARMACODYNAMICS

- Functional and hormonal control of pelvic width in the rat. Riesenfeld A. *Acta Anat (Basel)* 102(4):427-32, 1978
- Cyclic changes in ciliation of the oviductal epithelium in the pig-tailed macaque (*Macaca nemestrina*). Rumery RE, et al. *Am J Anat* 153(3):345-51, Nov 78
- Influence of estrogen on renal vitamin D hydroxylases and serum 1alpha,25-(OH)<sub>2</sub>D<sub>3</sub> in chicks. Pike JW, et al. *Am J Physiol* 235(3):E338-43, Sep 78
- Induction of parturition in beef cattle using estrogens in conjunction with dexamethasone. Barth AD, et al. *Can Vet J* 19(7):175-80, Jul 78
- Control of prolactin secretion in man. Bohnet HG, et al. *Curr Top Mol Endocrinol* 3:257-81, 1976 (143 ref.)
- Role of sex steroids on LH and FSH secretion in the rat. Ferland L, et al. *Curr Top Mol Endocrinol* 3:191-209, 1976 (35 ref.)
- Hormonal control of liver prolactin receptors. Kelly PA, et al. *Curr Top Mol Endocrinol* 3:321-35, 1976 (27 ref.)
- Role of prostaglandins (PGs) in the control of adenohipophyseal hormone secretion. McCann SM, et al. *Curr Top Mol Endocrinol* 3:21-35, 1976 (36 ref.)
- Plasma renin substrate sensitivity to oestrogens and oestrogen metabolism in cirrhosis. Degos F, et al. *Eur J Clin Invest* 8(4):243-8, Aug 78
- Estrogens in food: the almond mystery. Clemetson CA, et al. *Int J Gynaecol Obstet* 15(6):515-21, 1978
- The interaction between female sex hormones and D-amphetamine on central biogenic amines during the rat oestrous cycle. Fludder JM, et al. *Ir J Med Sci* 147 Suppl 1:28-32, Aug 78
- Estrogen induction of growth factors specific for hormone-responsive mammary, pituitary, and kidney tumor cells. Sirbasku DA. *Proc Natl Acad Sci USA* 75(8):3786-90, Aug 78
- Site of action of oestrogens in controlling the release of LH and FSH in the rhesus monkey. *Res Reprod* 10(4):4, Jul 78
- Relationship of pregnancy-associated alpha2-glycoprotein



- (alpha2-PAG) to peripheral blood leucocytes. Horne CH, et al. *Scand J Immunol* 8(1):75-80, 1978
- [Physiology of prolactin secretion. Analytic methods] Jaffiol C, et al. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):625-33, Apr 78 (Eng. Abstr.) (Fre)
- [Suppression of lactation by estrogens] Winter S. *Harefuah* 95(2):93-4, 16 Jul 78 (Heb)
- [Lactation inhibition by drugs (editorial)] Bergsjø P. *Tidsskr Nor Lægeforen* 98(29):1423-4, 20 Oct 78 (Nor)
- [Sex differences in brain functioning and effects related to them] Vunder PA. *Usp Sovrem Biol* 86(1):129-42, Jul-Aug 78 (104 ref.) (Rus)

## PHYSIOLOGY

- Steroid hormones and endometrial cancer. Siiteri PK. *Cancer Res* 38(11 Pt 2):4360-6, Nov 78 (74 ref.)
- The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)
- The relationship between oestrogen status and bone loss in post-menopausal women. Nordin BE, et al. *Clin Endocrinol (Oxf)* 5 Suppl:353S-361S, 1976
- Functional and dysfunctional uterine bleeding. Poindexter AN, et al. *Compr Ther* 4(8):32-7, Aug 78
- An ovary-dependent mouse mammary tumor induced by urethan. Matsuzawa A, et al. *Gan* 68(4):523-4, Aug 77
- Hormone influences on human aggression. Bell R. *Ir J Med Sci* 147 Suppl 1:5-9, Aug 78
- Effect of active immunization against oestrogens on plasma gonadotrophins in the ewe and the response to synthetic oestrogen or LH. Pant HC, et al. *J Reprod Fertil* 53(2):241-8, Jul 78
- Psychoendocrinology of the menstrual cycle [editorial] Rose RM. *N Engl J Med* 299(21):1186-7, 23 Nov 78
- Effects of ovariectomy and hormone replacement on DRL behavior in the rat. Lentz FE Jr, et al. *Physiol Behav* 20(4):477-80, Apr 78
- The role of hormones in endometrial cancer. Gambrell RD Jr. *South Med J* 71(10):1280-6, 1293, Oct 78 (45 ref.)
- [Regulatory mechanism of gonadotropin secretion (3). Negative feedback and biphasic effect of estrogens on gonadotropin] Tamada T, et al. *Hormon To Rinsho* 26(1):57-66, Jan 78 (Jpn)

## SECRETION

- Absence of inhibition by hyperprolactinaemia on ovarian response to exogenous gonadotrophin. Aono T, et al. *Acta Endocrinol (Copenh)* 89(1):142-8, Sep 78
- Pituitary and ovarian hormonal response to 48 h gonadotrophin releasing hormone (GnRH) infusions in female Rhesus monkeys. Ferin M, et al. *Acta Endocrinol (Copenh)* 89(1) Sep 78
- Endometrial carcinoma in gonadal dysgenesis with and without estrogen therapy. Östör AG, et al. *Gynecol Oncol* 6(4):316-27, Aug 78
- The fountain of youth or where is the estrogen coming from. Porter GS, et al. *J Indiana State Med Assoc* 71(10):997-8, Oct 78
- Role of pineal gland in aetiology and treatment of breast cancer. Cohen M, et al. *Lancet* 2(8094):814-6, 14 Oct 78
- [Current considerations on male secretory sterility] Bollack C, et al. *Helv Chir Acta* 45(3):323-8, Jul 78 (Eng. Abstr.) (Fre)
- [Circadian rhythms in man. Their incidence in endocrinology (author's transl)] Mainard F, et al. *Pathol Biol (Paris)* 26(5):255-64, May-Jun 78 (93 ref.) (Eng. Abstr.) (Fre)
- [Dyshormonal tumors (a review of the literature)] Lekhtman MN. *Zdravookhr Kirg* (5):51-8, Sep-Oct 78 (Rus)

## THERAPEUTIC USE

- Oestrogen treatment and subsequent pregnancy in two patients with severe hypergonadotrophic ovarian failure. Starup J, et al. *Acta Endocrinol (Copenh)* 89(1):149-57, Sep 78
- Psychotherapy for transsexual candidates screened out of surgery. Morgan AJ Jr. *Arch Sex Behav* 7(4):273-83, Jul 78
- Gynecologic problems of menopausal women: Part 3. Changes in extragenital tissues and sexuality. Notelovitz M. *Geriatrics* 33(10):51-3, 57-8, Oct 78
- The pure gonadal dysgenesis syndrome. Fayez JA. *Int J Gynaecol Obstet* 15(6):550-3, 1978
- Estrogen and the postmenopausal breast. Mammographic considerations. Peck DR, et al. *JAMA* 240(16):1733-5, 13 Oct 78
- Serial bone scintigraphy for assessing the effectiveness of treatment of osseous metastases from prostatic cancer. Langhammer H, et al. *Nuklearmedizin* 17(3):87-91, Jul 78
- Estrogen therapy. Kim MH, et al. *Ohio State Med J* 74(11):691-706, Nov 78

- The determination of antithrombin III. Comparison of six methods. Effect of oral contraceptive therapy. Bounameaux H, et al. *Thromb Haemost* 39(3):607-15, 30 Jun 78
- Steroid receptors in human prostatic cancer: a preliminary evaluation. de Voogt HJ, et al. *Urol Res* 6(3):151-8, 1 Sep 78
- [Postmenopause and estrogen substitution] Jaszmann LJ. *Tijdschr Ziekenverpl* 31(18):822-9, 5 Sep 78 (Dut)
- [Therapeutics basis of threatened abortions (author's transl)] Viala JL. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):678-82, Apr 78 (Eng. Abstr.) (Fre)
- [Estrogen-resistant prostatic cancer with bone metastases: palliative chemotherapy with 5-fluorouracil and cyclophosphamide (letter)] Küss R, et al. *Nouv Presse Med* 7(28):2478-9, 26 Aug-2 Sep 78 (Fre)
- [The curative treatment of prostatic carcinoma (author's transl)] Graber P. *Ther Umsch* 35(10):845-8, Oct 78 (Eng. Abstr.) (Fre)
- [Cardiovascular complications of oestrogen treatment in prostatic carcinoma (author's transl)] Héritier P, et al. *Ther Umsch* 35(10):841-4, Oct 78 (Eng. Abstr.) (Fre)
- [Puberty acne (letter)] Steigleder GK. *Dtsch Med Wochenschr* 103(41):1592, 13 Oct 78 (Ger)
- [Critical observation of long-term care of climacteric disorders with estrogens] Döring GK. *Lebensversicherungsmedizin* 30(6):145-8, Nov 78 (Ger)
- [Polymorphous juvenile acne] Cerimele D, et al. *Minerva Med* 69(41):2765-71, 8 Sep 78 (Ita)

## URINE

- Assessment of placental function in uncomplicated and complicated late pregnancy by estimation of unconjugated oestrogens in plasma after an intravenous injection of dehydroepiandrosterone sulphate. Axelsson O, et al. *Acta Endocrinol (Copenh)* 89(2):359-71, Oct 78
- Ovarian follicular apparatus and hormonal parameters in patients with primary and secondary amenorrhea. Nakano R, et al. *Acta Obstet Gynecol Scand* 57(4):293-300, 1978
- Excretory patterns of urinary free 11-hydroxycorticosteroids and total oestrogens throughout the normal menstrual cycle. Walker MS, et al. *Ann Clin Biochem* 15(4):201-2, Jul 78
- Relationship between urine and plasma estrogen ratios. Longcope C, et al. *Cancer Res* 38(11 Pt 2):4025-8, Nov 78
- Use of a sulfate: hydrogen sulfate buffer to preserve urine for steroid analysis. Metcalf MG. *Clin Biochem* 11(3):101-2, Jun 78
- Plasma estriol vs. estrogen assays in 24-h urines as an index to fetal status. Kirkish LS, et al. *Clin Chem* 24(10):1830-2, Oct 78
- Low urinary oestrogen excretion during pregnancy, due to an impairment of fetal adrenocorticotrophic hormone secretion. Grimberg MT, et al. *Clin Chim Acta* 88(3):449-59, 15 Sep 78
- Use of the ratio of estrogens to creatinine in a single morning urine sample in the management of high risk pregnancy. Joshi UM, et al. *Indian J Med Res* 68:67-72, Jul 78
- Carcinogens and analogs: trace analysis of thirteen compounds in admixture in wastewater and human urine. Nony CR, et al. *Int J Environ Anal Chem* 5(3):203-20, 1978
- Patterns of oestrogen and testosterone excretion during pregnancy in a gorilla (*Gorilla gorilla*). Seaton B. *J Reprod Fertil* 53(2):231-6, Jul 78
- The effects of an increase in endogenous oestrogen on the haemostatic mechanism. Toy JL, et al. *Thromb Haemost* 39(3):683-8, 30 Jun 78
- [State of the hypothalamo-hypophyseal-ovarian system in women after physiological labor] Miasnikova GP, et al. *Akush Ginekol (Mosk)* (8):17-20, Aug 78 (Eng. Abstr.) (Rus)
- [Steroid balance in patients with breast hyperplasia] Samundzhan EM, et al. *Vopr Onkol* 24(8):83-7, 1978 (Eng. Abstr.) (Rus)

## ESTROGENS, SYNTHETIC

- Use of steroids as carriers of cytotoxic agents in breast cancer: estrogens linked with nitrogen mustard groups [proceedings] Lippman M. *Cancer Treat Rep* 62(8):1259-60, Aug 78

## ADMINISTRATION &amp; DOSAGE

- Comparison of the effects of estradiol-17beta and the synthetic estrogen, RU-2858, on lordosis behavior in adult female rats and guinea pigs. Landau IT, et al. *Horm Behav* 10(2):143-55, Apr 78

Masculinization and defeminization induced in female hamsters by neonatal treatment with estradiol benzoate and RU-2858. Whalen RE, et al. *Horm Behav* 10(2):170-7, Apr 78

#### ADVERSE EFFECTS

A critique of the statistical evidence associating estrogens with endometrial cancer. Feinstein AR, et al. *Cancer Res* 38(11 Pt 2):4001-5, Nov 78

Steroid hormones and endometrial cancer. Siiteri PK. *Cancer Res* 38(11 Pt 2):4360-6, Nov 78 (74 ref.)

Role of exogenous female hormones in altering the risk of benign and malignant neoplasms in humans. Thomas DB. *Cancer Res* 38(11 Pt 2):3991-4000, Nov 78 (98 ref.)

Endometrial carcinoma in gonadal dysgenesis with and without estrogen therapy. Östör AG, et al. *Gynecol Oncol* 6(4):316-27, Aug 78

Oral contraceptives, venous thrombosis, and varicose veins. Royal College of General Practitioners' Oral Contraception Study. *J R Coll Gen Pract* 28(192):393-9, Jul 78

Evaluation of a combined oestrogen-progestogen injectable contraceptive. Bloch B, et al. *S Afr Med J* 53(21):846-7, 27 May 78

#### ANALYSIS

Detection of estrogen-like compounds by thin-layer chromatography. Wortberg B, et al. *J Chromatogr* 156(1):205-10, 21 Aug 78

#### CHEMICAL SYNTHESIS

Use of steroids as carriers of cytotoxic agents in breast cancer: estrogens linked with nitrogen mustard groups [proceedings] Lippman M. *Cancer Treat Rep* 62(8):1259-60, Aug 78

#### DIAGNOSTIC USE

Comparative binding affinities of estrogen derivatives. Katzenellenbogen JA. *Cancer Treat Rep* 62(8):1243-9, Aug 78

#### METABOLISM

Investigation of hormone-receptor interactions by means of fluorescence labeling. Dandliker WB, et al. *Cancer Res* 38(11 Pt 2):4212-24, Nov 78

Estrogen receptor assay in human mammary carcinoma with the synthetic estrogen 11beta-methoxy-17alpha-ethinyl-1,3,5(10)-estratriene-3,17 (R 2858). Okret S, et al. *Cancer Res* 38(11 Pt 1):3904-9, Nov 78

Comparative binding affinities of estrogen derivatives. Katzenellenbogen JA. *Cancer Treat Rep* 62(8):1243-9, Aug 78

Biochemical assays for the selection of cytotoxic-linked estrogens with potential therapeutic activity. Leclercq G, et al. *Cancer Treat Rep* 62(8):1255-7, Aug 78

Interactions between estrogen receptors and certain steroidal alkylating agents [proceedings] Wittliff JL, et al. *Cancer Treat Rep* 62(8):1262-6, Aug 78

#### PHARMACODYNAMICS

Impeding estrogens and the etiology of breast cancer. Wotiz HH, et al. *Cancer Res* 38(11 Pt 2):4012-20, Nov 78 (43 ref.)

Interactions between estrogen receptors and certain steroidal alkylating agents [proceedings] Wittliff JL, et al. *Cancer Treat Rep* 62(8):1262-6, Aug 78

Relationship between uterotrophic and interceptive activities of steroidal estrogens. Oettel M, et al. *Endokrinologie* 72(1):25-35, Apr 78

Comparison of the effects of estradiol-17beta and the synthetic estrogen, RU-2858, on lordosis behavior in adult female rats and guinea pigs. Landau IT, et al. *Horm Behav* 10(2):143-55, Apr 78

Masculinization and defeminization induced in female hamsters by neonatal treatment with estradiol benzoate and RU-2858. Whalen RE, et al. *Horm Behav* 10(2):170-7, Apr 78

Formulation-dependent effect of oral contraceptives on H.D.L.-cholesterol [letter] Shelton JD, et al. *Lancet* 2(8091):677, 23 Sep 78

#### THERAPEUTIC USE

Correlation between clinical response to hormone therapy and steroid receptor content in prostatic cancer. Gustafsson JA, et al. *Cancer Res* 38(11 Pt 2):4345-8, Nov 78

Steroid carriers of cytotoxic agents: evaluation of antineoplastic effects of drugs and animal models [proceedings] Hall TC. *Cancer Treat Rep* 62(8):1263-4, Aug 78

Biochemical assays for the selection of cytotoxic-linked estrogens with potential therapeutic activity. Leclercq G, et al. *Cancer Treat Rep* 62(8):1255-7, Aug 78

Influence of steroidal alkylating agents on the growth and estrogen binding capacity of R3230AC mammary carcinoma of the rat [proceedings] Wittliff JL, et al.

*Cancer Treat Rep* 62(8):1260-2, Aug 78

Diffuse hair loss in women. Bergfeld WF. *Cutis* 22(2):190-5, Aug 78

Management of recurrent aphthous stomatitis. A review. Rostas A, et al. *Cutis* 22(2):183-9, Aug 78 (30 ref.)

Endometrial carcinoma in gonadal dysgenesis with and without estrogen therapy. Östör AG, et al. *Gynecol Oncol* 6(4):316-27, Aug 78

New role of endocrine therapy in breast cancer. Kennedy BJ. *Int J Radiat Oncol Biol Phys* 4(5-6):469-72, May-Jun 78

#### TOXICITY

Exposure to synthetic estrogens [letter] Hochstrasser JM. *Am Ind Hyg Assoc J* 39(8):675-7, Aug 78

### ETHINYL ESTRADIOL

Pharmacologically induced hypolipidemia. The ethinyl estradiol-treated rat. Davis RA, et al. *Atherosclerosis* 30(4):293-9, Aug 78

Simultaneous solubilization of steroid hormones I: estrogens and C21 steroids. Lövgren T, et al. *J Pharm Sci* 67(10):1419-22, Oct 78

#### ADMINISTRATION & DOSAGE

Time-dependent decrease of pituitary response to LH-RH after chronic treatment of intact female rats with ethinylestradiol and norethindrone. Kuhl H, et al. *Acta Endocrinol (Copenh)* 89(2):240-50, Oct 78

Experience with a new low dose oral contraceptive: norgestimate & ethinyl estradiol. Rubio-Lotvin B, et al. *Acta Eur Fertil* 9(1):1-6, Mar 78

Plasma prolactin concentrations in women treated with low dose combination type oral contraceptives and in women using a d-norgestrel-releasing intrauterine device. Nilsson CG, et al. *Ann Clin Res* 10(4):242-5, Aug 78

Prostatic carcinoma: plasma kinetics and intraprostatic metabolism of testosterone in low-dose estrogen-treated patients in vivo. Jacobi GH, et al. *Urology* 12(3):359-64, Sep 78

[Experimental studies on the effect of long-term oestrogens on contrast excretion during intravenous urography (author's transl)] Voigt R, et al. *ROFO* 129(2):212-4, Aug 78 (Eng. Abstr.) (Ger)

[Experimental studies on the effect of long-term oestrogens on contrast excretion during intravenous urography (author's transl)] Voigt R, et al. *ROFO* 129(2):212-4, Aug 78 (Eng. Abstr.) (Ger)

#### ADVERSE EFFECTS

Experience with a new low dose oral contraceptive: norgestimate & ethinyl estradiol. Rubio-Lotvin B, et al. *Acta Eur Fertil* 9(1):1-6, Mar 78

Influence of oral contraceptives on immediate postabortal pituitary-ovarian function. Lähteenmäki P. *Acta Obstet Gynecol Scand Suppl* 76:1-43, 1978

[Estrogen treatment of excessively tall girls (author's transl)] Klittich L, et al. *Geburtshilfe Frauenbeilkd* 38(10):831-9, Oct 78 (Eng. Abstr.) (Ger)

#### ANALOGS & DERIVATIVES

Estrogen receptor assay in human mammary carcinoma with the synthetic estrogen 11beta-methoxy-17alpha-ethinyl-1,3,5(10)-estratriene-3,17 (R 2858). Okret S, et al. *Cancer Res* 38(11 Pt 1):3904-9, Nov 78

#### ANTAGONISTS & INHIBITORS

Alterations of hepatic Na<sup>+</sup>,K<sup>+</sup>-atpase and bile flow by estrogen: effects on liver surface membrane lipid structure and function. Davis RA, et al. *Proc Natl Acad Sci USA* 75(9):4130-4, Sep 78

#### BLOOD

Influence of oral contraceptives on immediate postabortal



pituitary-ovarian function. Lähtenmäki P.  
Acta Obstet Gynecol Scand Suppl 76:1-43, 1978

#### DIAGNOSTIC USE

Estrogen receptor assay in human mammary carcinoma with the synthetic estrogen  
11beta-methoxy-17alpha-ethinyl-1,3,5(10)-estratriene-3,17 (R 2858). Okret S, et al. *Cancer Res* 38(11 Pt 1):3904-9, Nov 78

#### METABOLISM

Covalent binding of ethinylestradiol and estrone to rat liver DNA in vivo. Jaggi W, et al. *Chem Biol Interact* 23(1):13-8, Oct 78  
The effect of antibiotics on the enterohepatic circulation of ethinylestradiol and norethisterone in the rat. Back DJ, et al. *J Steroid Biochem* 9(6):527-31, Jun 78

#### PHARMACODYNAMICS

Time-dependent decrease of pituitary response to LH-RH after chronic treatment of intact female rats with ethinylestradiol and norethindrone. Kuhl H, et al. *Acta Endocrinol (Copenh)* 89(2):240-50, Oct 78  
Experience with a new low dose oral contraceptive: norgestimate & ethinyl estradiol. Rubio-Lotvin B, et al. *Acta Eur Fertil* 9(1):1-6, Mar 78  
Influence of oral contraceptives on immediate postabortal pituitary-ovarian function. Lähtenmäki P.  
*Acta Obstet Gynecol Scand Suppl* 76:1-43, 1978  
Effects of estrogen on human seminiferous tubules: light and electron microscopic analysis. Lu CC, et al. *Am J Anat* 153(1):1-13, Sep 78  
Plasma prolactin concentrations in women treated with low dose combination type oral contraceptives and in women using a d-norgestrel-releasing intrauterine device. Nilsson CG, et al. *Ann Clin Res* 10(4):242-5, Aug 78  
Reversal by triton WR-1339 of ethinylestradiol-induced hepatic cholesterol esterification. Davis RA, et al. *Biochem J* 174(1):45-51, 15 Jul 78  
Effects of ethinyl estradiol on serum lipoprotein lipids in male and female rats. Weinstein I, et al.  
*Biochim Biophys Acta* 530(3):394-401, 28 Sep 78  
Disposition of norgestimate in the presence and absence of ethinyl estradiol after oral administration to humans. Weintraub HS, et al. *J Pharm Sci* 67(10):1406-8, Oct 78  
Alterations of hepatic Na<sup>+</sup>,K<sup>+</sup>-ATPase and bile flow by estrogen: effects on liver surface membrane lipid structure and function. Davis RA, et al. *Proc Natl Acad Sci USA* 75(9):4130-4, Sep 78  
Prostatic carcinoma: plasma kinetics and intraprostatic metabolism of testosterone in low-dose estrogen-treated patients in vivo. Jacobi GH, et al. *Urology* 12(3):359-64, Sep 78  
[Histofunctional aspects of the rat thyroid after administration of ethinyl estradiol. Preliminary findings] Breda M, et al. *Boll Soc Ital Biol Sper* 54(9):771-6, 15 May 78 (Ita)  
[Effects of several estrogenic compounds on serum corticosteroid-binding globulin (CBG) and the estrogen thresholds for increasing CBG (author's transl)] Kawagoe S, et al. *Nippon Naibunpi Gakkai Zasshi* 54(5):666-75, 20 May 78 (Eng. Abstr.) (Jpn)  
[Changes in laboratory tests after treatment with a new contraceptive agent] Cervantes LF, et al.  
*Ginecol Obstet Mex* 43(258):285-97, Apr 78 (70 ref.) (Eng. Abstr.) (Spa)

#### THERAPEUTIC USE

Prostatic carcinoma: plasma kinetics and intraprostatic metabolism of testosterone in low-dose estrogen-treated patients in vivo. Jacobi GH, et al. *Urology* 12(3):359-64, Sep 78  
[Limitation of the ultimate height in girls using estrogenic hormones] Visser HK. *Ned Tijdschr Geneesk* 122(40):1494-7, 7 Oct 78 (Dut)  
[Estrogen treatment of excessively tall girls (author's transl)] Klitich L, et al. *Geburtshilfe Frauenheilkd* 38(10):831-9, Oct 78 (Eng. Abstr.) (Ger)  
[Treatment of acne and seborrhea using antiandrogens] Keller PJ, et al. *Schweiz Med Wochenschr* 108(42):1640-2, 21 Oct 78 (Eng. Abstr.) (Ger)

## ETHYLESTRENOL

#### ADMINISTRATION & DOSAGE

Synthetic activators of fibrinolysis. Nilsson IM.  
*Acta Clin Belg* 32(6):428-33, 1977

#### PHARMACODYNAMICS

Synthetic activators of fibrinolysis. Nilsson IM.  
*Acta Clin Belg* 32(6):428-33, 1977

## FLUOXYMESTERONE

#### ADMINISTRATION & DOSAGE

Combination chemotherapy for primary amyloidosis reconsidered [letter] Cohen HJ. *Ann Intern Med* 89(4):572-3, Oct 78  
[Prospective studies of effects of androstanes on aplastic anemia (author's transl)] Hirota Y. *Rinsho Ketsueki* 19(7):955-63, Jul 78 (Eng. Abstr.) (Jpn)  
[Effects of a small dose of fluoxymesterone on aplastic anemia (author's transl)] Miyazaki T, et al. *Rinsho Ketsueki* 19(7):877-86, Jul 78 (Eng. Abstr.) (Jpn)

#### ADVERSE EFFECTS

[Prospective studies of effects of androstanes on aplastic anemia (author's transl)] Hirota Y. *Rinsho Ketsueki* 19(7):955-63, Jul 78 (Eng. Abstr.) (Jpn)

#### THERAPEUTIC USE

[Effects of a small dose of fluoxymesterone on aplastic anemia (author's transl)] Miyazaki T, et al. *Rinsho Ketsueki* 19(7):877-86, Jul 78 (Eng. Abstr.) (Jpn)  
[Ab lactation after a major miscarriage and delivery] Bulajić M, et al. *Srp Arh Celok Lek* 105(11):985-8, Nov 77 (Ser)

## HEXESTROL

#### ANALYSIS

Stable derivatives for the gas chromatographic determination of synthetic anabolic stilbene residues (diethylstilbestrol, dienestrol and hexestrol) in meat and organs of treated cattle in the sub-parts per billion (10<sup>9</sup>) level. Laitem L, et al. *J Chromatogr* 156(2):267-73, 11 Sep 78

#### PHARMACODYNAMICS

Estrogen induction of ornithine aminotransferase in rat kidney slices. Wu C. *Biochem Biophys Res Commun* 82(3):782-6, 14 Jun 78  
Estrogen withdrawal in chick oviduct. Characterization of RNA synthesized in isolated nuclei using a mercurated precursor. Mizuno S, et al. *Biochim Biophys Acta* 520(1):184-202, 23 Aug 78

## HYDROXYESTRONES

#### PHARMACODYNAMICS

Impeding estrogens and the etiology of breast cancer. Wotiz HH, et al. *Cancer Res* 38(11 Pt 2):4012-20, Nov 78 (43 ref.)

## HYDROXYPROGESTERONES

#### BIOSYNTHESIS

In vitro and in vivo studies on Leydig cell function in old rats. Pirke KM, et al. *Acta Endocrinol (Copenh)* 89(2):393-403, Oct 78

#### BLOOD

Hyena disease in cattle: lutropin, oestradiol-17 beta, testosterone, progesterone and 17-hydroxyprogesterone peripheral plasma concentrations. Thibier M, et al.

## HYDROXYPROGESTERONE

- Br Vet J 134(5):462-8, Sep-Oct 78  
 Serum steroids in normal males and patients with prostatic diseases. Hammond GL, et al. Clin Endocrinol (Oxf) 9(2):113-21, Aug 78  
 Changes in serum 17alpha-hydroxyprogesterone levels during periovulatory phase in women. Uemura T, et al. Endocrinol Jpn 25(3):295-8, Jun 78  
 Peripheral and ovarian vein plasma levels of 20alpha-dihydroprogesterone in women with normal menstrual cycles. Lucisano A, et al. J Steroid Biochem 9(7):643-8, Jul 78

### METABOLISM

- Evidence of the in vitro formation of cortisol by the adrenal gland of embryonic and young chickens (Gallus domesticus). Nakamura T, et al. Gen Comp Endocrinol 35(3):302-8, Jul 78

### PHARMACODYNAMICS

- Inhibition of absorption capacity of HLA antigens on in vitro hormone-treated lymphocytes. Májský A, et al. Folia Haematol (Leipz) 105(3):302-5, 1978

### URINE

- Urinary steroid excretion in 17 alpha-hydroxylase deficiency. Honour JW, et al. J Steroid Biochem 9(6):495-505, Jun 78

## LYNESTRENOL

### PHARMACODYNAMICS

- The metabolism and motility of human spermatozoa in the presence of steroid hormones and synthetic progestagens. Hyne RV, et al. J Reprod Fertil 53(2):315-22, Jul 78

### TOXICITY

- [Morphologic changes in guinea pig kidneys following administration of chlormadinone (germed) and orgametril (Organon)] Bechcińska B, et al. Ginek Pol 49(6):487-92, Jun 78 (Eng. Abstr.)

## MEDROXYPROGESTERONE

### ADMINISTRATION & DOSAGE

- Phase II study of vinblastine, methyl-CCNU, and medroxyprogesterone in advanced renal cell cancer. Hahn RG, et al. Cancer Treat Rep 62(7):1093-5, Jul 78  
 Evaluation of a combined oestrogen-progesterone injectable contraceptive. Bloch B, et al. S Afr Med J 53(21):846-7, 27 May 78  
 Efficacy and acceptability of injectable medroxyprogesterone. A comparison of 3-monthly and 6-monthly regimens. Castle WM, et al. S Afr Med J 53(21):842-5, 27 May 78  
 [Post-partum contraception (author's transl)] Ruf H, et al. J Gynecol Obstet Biol Reprod (Paris) 7(3 Pt 2):590-5, Apr 78 (Eng. Abstr.) (Fre)

### ADVERSE EFFECTS

- Evaluation of a combined oestrogen-progesterone injectable contraceptive. Bloch B, et al. S Afr Med J 53(21):846-7, 27 May 78  
 Efficacy and acceptability of injectable medroxyprogesterone. A comparison of 3-monthly and 6-monthly regimens. Castle WM, et al. S Afr Med J 53(21):842-5, 27 May 78

### METABOLISM

- Human endometrial cancer cell cultures for hormonal studies. Satyaswaroop PG, et al. Cancer Res 38(11 Pt 2):4367-75, Nov 78

### THERAPEUTIC USE

- Chemo-hormonal therapy for metastatic renal cell carcinoma with adriamycin, hydroxyurea, vinblastine, and medroxyprogesterone acetate. Katakhar SB, et al. Cancer Treat Rep 62(9):1379-80, Sep 78

## GONADS

## MESTRANOL

### ADVERSE EFFECTS

- [Effect of chlormadinone and chlormadinone with mestranol on the liver function] Marcinkowski Z. Ginek Pol 49(6):525-30, Jun 78 (Eng. Abstr.) (Pol)  
 [Rupture of hepatic adenoma and oral contraceptives] Espinoza A, et al. Prensa Med Mex 43(1-2):35-6, Jan-Feb 78 (Eng. Abstr.) (Spa)

### PHARMACODYNAMICS

- The effect of oral contraceptive treatment on the serum concentration of dehydroisoandrosterone sulfate. Madden JD, et al. Am J Obstet Gynecol 132(4):380-4, 15 Oct 78  
 Prolactin and the development and progression of early neoplastic mammary gland lesions. Welsch CW. Cancer Res 38(11 Pt 2):4054-8, Nov 78  
 Influence of 3-methylether of ethinylestradiol (Mestranol) on oviductal egg transport in rats. Oettel M, et al. Endokrinologie 71(3):266-76, Mar 78  
 [Effect of an estrogen-progestin contraceptive preparation on the enzymatic activity of the pentosephosphate carbohydrate metabolic pathway and nucleic acid metabolic indices] Korukhov VV, et al. Farmakol Toksikol 41(5):604-8, Sep-Oct 78 (Eng. Abstr.) (Rus)

### THERAPEUTIC USE

- [Pathogenetic conditioning of the therapeutic effect of infecundin] Kozhin AA. Akush Ginekol (Mosk) (8):40-3, Aug 78 (Eng. Abstr.) (Rus)

## METHANDROSTENOLONE

### PHARMACODYNAMICS

- Responses to intensive training and methandrostenolone administration. II. Hormonal, organ weights, muscle weights and body composition. Stone MH, et al. Pfluegers Arch 375(2):147-51, 18 Jul 78  
 Responses to intensive training and methandrostenolone administration. I. Contractile and performance variables. Stone MH, et al. Pfluegers Arch 375(2):141-6, 18 Jul 78  
 [Effect of nerobol and its combinations with choline and splenin on liver function] Shevchenko AV, et al. Vrach Delo (9):76-9, Sep 78 (Eng. Abstr.) (Rus)

## METHENOLONE

### ADMINISTRATION & DOSAGE

- [Prospective studies of effects of androstanes on aplastic anemia (author's transl)] Hirota Y. Rinsho Ketsueki 19(7):955-63, Jul 78 (Eng. Abstr.) (Jpn)  
 [Treatment of aplastic anemia with androgenic anabolic steroids (oxymetholone or methenolone) (author's transl)] Matsumoto N, et al. Rinsho Ketsueki 19(7):971-6, Jul 78 (Eng. Abstr.) (Jpn)

### ADVERSE EFFECTS

- [Prospective studies of effects of androstanes on aplastic anemia (author's transl)] Hirota Y. Rinsho Ketsueki 19(7):955-63, Jul 78 (Eng. Abstr.) (Jpn)

### PHARMACODYNAMICS

- [Effect of androgens on nephrogenic anemia: an analytic study of 156 cases and studies on the mechanism of hematopoietic effect of anabolic steroids during hemodialysis (author's transl)] Chiba S, et al. Rinsho Ketsueki 19(7):1002-9, Jul 78 (Eng. Abstr.) (Jpn)

### THERAPEUTIC USE

- [Effect of androgens on nephrogenic anemia: an analytic study of 156 cases and studies on the mechanism of hematopoietic effect of anabolic steroids during hemodialysis (author's transl)] Chiba S, et al. Rinsho Ketsueki 19(7):1002-9, Jul 78 (Eng. Abstr.) (Jpn)  
 [Treatment of aplastic anemia with androgenic anabolic steroids (oxymetholone or methenolone) (author's transl)]



## GONADS

Matsumoto N, et al. *Rinsho Ketsueki* 19(7):971-6, Jul 78 (Eng. Abstr.) (Jpn)

## NANDROLONE

### ANALOGS & DERIVATIVES

Aromatization and androgen stimulation of sexual behavior in male and female rats. Yahr P, et al. *Horm Behav* 10(2):128-42, Apr 78

[Preventive treatment of ischemic heart disease with obsidan and nerobolil under ambulatory conditions] Ianovskii GV, et al. *Vrach Delo* (6):16-8, Jun 78 (Eng. Abstr.) (Rus)

[Effect of hormonal therapy on the level of antibodies to antigens of thymus epithelial tissue in myasthenia] Gekht BM, et al. *Zh Nevropatol Psikhiatr* 78(8):1129-34, 1978 (Eng. Abstr.) (Rus)

### PHARMACODYNAMICS

Effect of drugs on the stimulation threshold of the human heart. Svorčik C, et al. *Cor Vasa* 20(3):184-95, 1978

Inhibition of absorption capacity of HLA antigens on in vitro hormone-treated lymphocytes. Májský A, et al. *Folia Haematol (Leipz)* 105(3):302-5, 1978

Aromatization and androgen stimulation of sexual behavior in male and female rats. Yahr P, et al. *Horm Behav* 10(2):128-42, Apr 78

### THERAPEUTIC USE

[Preventive treatment of ischemic heart disease with obsidan and nerobolil under ambulatory conditions] Ianovskii GV, et al. *Vrach Delo* (6):16-8, Jun 78 (Eng. Abstr.) (Rus)

[Effect of hormonal therapy on the level of antibodies to antigens of thymus epithelial tissue in myasthenia] Gekht BM, et al. *Zh Nevropatol Psikhiatr* 78(8):1129-34, 1978 (Eng. Abstr.) (Rus)

## NORETHINDRONE

### ADMINISTRATION & DOSAGE

Time-dependent decrease of pituitary response to LH-RH after chronic treatment of intact female rats with ethinylestradiol and norethindrone. Kuhl H, et al. *Acta Endocrinol (Copenh)* 89(2):240-50, Oct 78

Kinetics of norethindrone in women. I. Radioimmunoassay and concentrations during multiple dosing. Back DJ, et al. *Clin Pharmacol Ther* 24(4):439-47, Oct 78

Kinetics of norethindrone in women. II. Single-dose kinetics. Back DJ, et al. *Clin Pharmacol Ther* 24(4):448-53, Oct 78

[Norethisterone enantate as a tricyclic contraceptive. Comparative study] Najar Origel S. *Prensa Med Mex* 43(1-2):64-9, Jan-Feb 78 (Spa)

### ADVERSE EFFECTS

Menopausal therapy and endometrial pathology [letter] Craft I, et al. *Br Med J* 2(6134):429-30, 5 Aug 78

[Norethisterone enantate as a tricyclic contraceptive. Comparative study] Najar Origel S. *Prensa Med Mex* 43(1-2):64-9, Jan-Feb 78 (Spa)

### BLOOD

Kinetics of norethindrone in women. I. Radioimmunoassay and concentrations during multiple dosing. Back DJ, et al. *Clin Pharmacol Ther* 24(4):439-47, Oct 78

Kinetics of norethindrone in women. II. Single-dose kinetics. Back DJ, et al. *Clin Pharmacol Ther* 24(4):448-53, Oct 78

Assessment of the specificity of norethisterone radioimmunoassays. Bedolla-Tovar N, et al. *J Steroid Biochem* 9(6):561-7, Jun 78

### IMMUNOLOGY

Assessment of the specificity of norethisterone radioimmunoassays. Bedolla-Tovar N, et al. *J Steroid Biochem* 9(6):561-7, Jun 78

### METABOLISM

Ethinylestradiol and norethindrone metabolism by everted sacs of rat ileum. Back DJ, et al. *Contraception* 18(2):127-35, Aug 78

## NORGESTREL

The effect of antibiotics on the enterohepatic circulation of ethinylestradiol and norethisterone in the rat. Back DJ, et al. *J Steroid Biochem* 9(6):527-31, Jun 78

### PHARMACODYNAMICS

Fine structure of rat prolactin cells after treatment with a long acting depot contraceptive. Aumüller G, et al. *Acta Endocrinol (Copenh)* 89(2):251-62, Oct 78

Time-dependent decrease of pituitary response to LH-RH after chronic treatment of intact female rats with ethinylestradiol and norethindrone. Kuhl H, et al. *Acta Endocrinol (Copenh)* 89(2):240-50, Oct 78

The effect of oral contraceptive treatment on the serum concentration of dehydroisoandrosterone sulfate. Madden JD, et al. *Am J Obstet Gynecol* 132(4):380-4, 15 Oct 78

Topical administration of progestational steroids in the eye and nose—a rapid absorption to the blood. Ohman L, et al. *Contraception* 18(2):171-80, Aug 78

### THERAPEUTIC USE

[Estrogen treatment of excessively tall girls (author's transl)] Klittich L, et al. *Geburtshilfe Frauenheilkd* 38(10):831-9, Oct 78 (Eng. Abstr.) (Ger)

[An unusual case of hymenal endometriosis] Tomassini A, et al. *Minerva Ginecol* 30(9):787-94, Sep 78 (Eng. Abstr.) (Ita)

## NORETHYNODREL

### ADVERSE EFFECTS

[Rupture of hepatic adenoma and oral contraceptives] Espinoza A, et al. *Prensa Med Mex* 43(1-2):35-6, Jan-Feb 78 (Eng. Abstr.) (Spa)

### PHARMACODYNAMICS

Prolactin and the development and progression of early neoplastic mammary gland lesions. Welsch CW. *Cancer Res* 38(11 Pt 2):4054-8, Nov 78

The metabolism and motility of human spermatozoa in the presence of steroid hormones and synthetic progestagens. Hyne RV, et al. *J Reprod Fertil* 53(2):315-22, Jul 78

[Effect of an estrogen-progestin contraceptive preparation on the enzymatic activity of the pentosephosphate carbohydrate metabolic pathway and nucleic acid metabolic indices] Korukhov VV, et al. *Farmakol Toksikol* 41(5):604-8, Sep-Oct 78 (Eng. Abstr.) (Rus)

### THERAPEUTIC USE

[Pathogenetic conditioning of the therapeutic effect of infecundin] Kozhin AA. *Akush Ginekol (Mosk)* (8):40-3, Aug 78 (Eng. Abstr.) (Rus)

## NORGESTREL

### ADMINISTRATION & DOSAGE

Experience with a new low dose oral contraceptive: norgestimate & ethinyl estradiol. Rubio-Lotvin B, et al. *Acta Eur Fertil* 9(1):1-6, Mar 78

Plasma prolactin concentrations in women treated with low dose combination type oral contraceptives and in women using a d-norgestrel-releasing intrauterine device. Nilsson CG, et al. *Ann Clin Res* 10(4):242-5, Aug 78

Comparative clinical trial of the progestins R-2323 and levonorgestrel administered by subdermal implants. Alvarez F, et al. *Contraception* 18(2):151-62, Aug 78

Disposition of norgestimate in the presence and absence of ethinyl estradiol after oral administration to humans. Weintraub HS, et al. *J Pharm Sci* 67(10):1406-8, Oct 78

### ADVERSE EFFECTS

Experience with a new low dose oral contraceptive: norgestimate & ethinyl estradiol. Rubio-Lotvin B, et al. *Acta Eur Fertil* 9(1):1-6, Mar 78

Influence of oral contraceptives on immediate postabortal pituitary-ovarian function. Lähteenmäki P. *Acta Obstet Gynecol Scand Suppl* 76:1-43, 1978

Menopausal therapy and endometrial pathology [letter] Craft I, et al. *Br Med J* 2(6134):429-30, 5 Aug 78

Comparative clinical trial of the progestins R-2323 and

## NORGESTREL

levonorgestrel administered by subdermal implants. Alvarez F, et al. *Contraception* 18(2):151-62, Aug 78

### ANALOGS & DERIVATIVES

Experience with a new low dose oral contraceptive: norgestimate & ethinyl estradiol. Rubio-Lotvin B, et al. *Acta Eur Fertil* 9(1):1-6, Mar 78  
Disposition of norgestimate in the presence and absence of ethinyl estradiol after oral administration to humans. Weintraub HS, et al. *J Pharm Sci* 67(10):1406-8, Oct 78  
[Changes in laboratory tests after treatment with a new contraceptive agent] Cervantes LF, et al. *Ginecol Obstet Mex* 43(258):285-97, Apr 78 (70 ref.) (Eng. Abstr.) (Spa)

### BLOOD

Influence of oral contraceptives on immediate postabortal pituitary-ovarian function. Lähteenmäki P. *Acta Obstet Gynecol Scand Suppl* 76:1-43, 1978

### METABOLISM

Disposition of norgestimate in the presence and absence of ethinyl estradiol after oral administration to humans. Weintraub HS, et al. *J Pharm Sci* 67(10):1406-8, Oct 78

### PHARMACODYNAMICS

Experience with a new low dose oral contraceptive: norgestimate & ethinyl estradiol. Rubio-Lotvin B, et al. *Acta Eur Fertil* 9(1):1-6, Mar 78  
Influence of oral contraceptives on immediate postabortal pituitary-ovarian function. Lähteenmäki P. *Acta Obstet Gynecol Scand Suppl* 76:1-43, 1978  
Plasma prolactin concentrations in women treated with low dose combination type oral contraceptives and in women using a d-norgestrel-releasing intrauterine device. Nilsson CG, et al. *Ann Clin Res* 10(4):242-5, Aug 78  
[Effects of several estrogenic compounds on serum corticosteroid-binding globulin (CBG) and the estrogen thresholds for increasing CBG (author's transl)] Kawagoe S, et al. *Nippon Naibunpi Gakkai Zasshi* 54(5):666-75, 20 May 78 (Eng. Abstr.) (Jpn)  
[Changes in laboratory tests after treatment with a new contraceptive agent] Cervantes LF, et al. *Ginecol Obstet Mex* 43(258):285-97, Apr 78 (70 ref.) (Eng. Abstr.) (Spa)

### THERAPEUTIC USE

Comparative clinical trial of the progestins R-2323 and levonorgestrel administered by subdermal implants. Alvarez F, et al. *Contraception* 18(2):151-62, Aug 78

## OXYMETHOLONE

### ADMINISTRATION & DOSAGE

[Effect of anabolic steroid-corticosteroid therapy of aplastic anemia in children (author's transl)] Akatsuka J. *Rinsho Ketsueki* 19(7):995-1001, Jul 78 (Eng. Abstr.) (Jpn)  
[Prospective studies of effects of androstanes on aplastic anemia (author's transl)] Hirota Y. *Rinsho Ketsueki* 19(7):955-63, Jul 78 (Eng. Abstr.) (Jpn)  
[Treatment of aplastic anemia with androgenic anabolic steroids (oxymetholone or methenolone) (author's transl)] Matsumoto N, et al. *Rinsho Ketsueki* 19(7):971-6, Jul 78 (Eng. Abstr.) (Jpn)

### ADVERSE EFFECTS

[Prospective studies of effects of androstanes on aplastic anemia (author's transl)] Hirota Y. *Rinsho Ketsueki* 19(7):955-63, Jul 78 (Eng. Abstr.) (Jpn)  
[Treatment of aplastic anemia with oxymetholone] Janowska-Wieczorek A, et al. *Pol Tyg Lek* 33(31):1209-11, 31 Jul 78 (Eng. Abstr.) (Pol)

### ANALOGS & DERIVATIVES

Metabolism of 17beta-hydroxy-2-hydroxymethylene-5alpha-androstan-3 in the rabbit. Templeton JF, et al. *Steroids* 32(1):45-50, Jul-Aug 78

## GONADS

### METABOLISM

Metabolism of 17beta-hydroxy-2-hydroxymethylene-5alpha-androstan-3 in the rabbit. Templeton JF, et al. *Steroids* 32(1):45-50, Jul-Aug 78

### THERAPEUTIC USE

Androgen-responsive aplastic anemia in a dog. Eldor A, et al. *J Am Vet Med Assoc* 173(3):304-5, 1 Aug 78  
[Effect of anabolic steroid-corticosteroid therapy of aplastic anemia in children (author's transl)] Akatsuka J. *Rinsho Ketsueki* 19(7):995-1001, Jul 78 (Eng. Abstr.) (Jpn)  
[Treatment of aplastic anemia with androgenic anabolic steroids (oxymetholone or methenolone) (author's transl)] Matsumoto N, et al. *Rinsho Ketsueki* 19(7):971-6, Jul 78 (Eng. Abstr.) (Jpn)  
[Treatment of aplastic anemia with oxymetholone] Janowska-Wieczorek A, et al. *Pol Tyg Lek* 33(31):1209-11, 31 Jul 78 (Eng. Abstr.) (Pol)

## PREGNANEDIOL

### URINE

[State of the hypothalamo-hypophyseal-ovarian system in women after physiological labor] Miasnikova GP, et al. *Akush Ginekol (Mosk)* (8):17-20, Aug 78 (Eng. Abstr.) (Rus)

## PREGNANES

### BLOOD

Pathways of steroid metabolism in vivo studied by deuterium labelling techniques. pp. 177-88. Baillie TA, et al. In: Baillie TA, ed. *Stable isotopes*. Baltimore, Univ Park Press, 1978. QV 20.5 I61s 1978.

## PREGNENES

### ADVERSE EFFECTS

[Clinical trial with hydrocortisone-17-butyrate in reactive dermatitis of the face and mucosa] Ahumada Padilla M, et al. *Alergia* 25(1):23-31, Jan 78 (Eng. Abstr.) (Spa)

### BIOSYNTHESIS

Progesterone biotransformation by plant cell suspension cultures. Yagen B, et al. *Appl Environ Microbiol* 36(2):213-6, Aug 78

### PHARMACODYNAMICS

Does irehdiamine kink DNA? Dattagupta N, et al. *Proc Natl Acad Sci USA* 75(9):4286-90, Sep 78

## PREGNENOLONE

Modification of the kinetic properties of 5-ene, 3beta-hydroxysteroid dehydrogenase of human placental microsomes by hydrogen peroxide and 2-mercaptoethanol. Blomquist CH, et al. *J Steroid Biochem* 9(7):685-90, Jul 78

### ANALOGS & DERIVATIVES

[Biosynthesis and excretion of cholesterol in mice of line SWR with hereditary atherosclerosis and effects of multifunctional microsomal oxidase inducer on these processes] Manankova NM, et al. *Biokhimiia* 43(7):1233-41, Jul 78 (Eng. Abstr.) (Rus)

### BIOSYNTHESIS

In vitro and in vivo studies on Leydig cell function in old rats. Pirke KM, et al. *Acta Endocrinol (Copenh)* 89(2):393-403, Oct 78  
Effects of adrenal steroid activator protein on the conversion of various 20- and 22-hydroxycholesterols to pregnenolone



## GONADS

by adrenal mitochondrial enzymes. Teicher BA, et al. *Biochem Biophys Res Commun* 83(4):1436-41, 29 Aug 78  
The recently proposed 20,22-epoxycholesterol as the intermediate in the conversion of cholesterol to pregnenolone by adrenal cortex mitochondria must be 5alpha,6alpha-epoxycholestan-3beta-ol. Watabe T, et al. *Biochem Biophys Res Commun* 83(4):1396-403, 29 Aug 78

### BLOOD

Serum steroids in normal males and patients with prostatic diseases. Hammond GL, et al. *Clin Endocrinol (Oxf)* 9(2):113-21, Aug 78

### METABOLISM

Oestrogen induced Leydig cell refractoriness to gonadotrophin stimulation. Saez JM, et al. *Acta Endocrinol (Copenh)* 89(2):379-92, Oct 78  
The intracellular localization of adrenal 3beta-hydroxysteroid dehydrogenase/delta5-isomerase by density gradient perturbation. Headon DR, et al. *Biochem Biophys Res Commun* 82(3):1006-12, 14 Jun 78  
Purification and characterisation of prostatic binding protein and its subunits. Heyns W, et al. *Eur J Biochem* 89(1):181-6, 15 Aug 78  
Androgen biosynthesis in vitro by testes from amphibia. Kime DE, et al. *Gen Comp Endocrinol* 35(3):280-8, Jul 78  
Evidence of the in vitro formation of cortisol by the adrenal gland of embryonic and young chickens (*Gallus domesticus*). Nakamura T, et al. *Gen Comp Endocrinol* 35(3):302-8, Jul 78  
Regulation of aldosterone secretion by the renin-angiotensin system during sodium restriction in rats. Aguilera G, et al. *Proc Natl Acad Sci USA* 75(8):4057-61, Aug 78  
Angiotensin stimulates cortisol biosynthesis in human adrenal cells in vitro. McKenna TJ, et al. *Steroids* 32(1):127-36, Jul-Aug 78  
[Testosterone, its biosynthesis, transport and metabolism] Panaiotov D, Vutr Boles 17(4):15-21, 1978 (38 ref.) (Bul)

### PHARMACODYNAMICS

Prostaglandins and calcium-membrane interactions in secretory glands. Rubin RP, et al. *Ann NY Acad Sci* 307:377-90, 28 Apr 78 (51 ref.)  
[Biosynthesis and excretion of cholesterol in mice of line SWR with hereditary atherosclerosis and effects of multifunctional microsomal oxidase inducer on these processes] Manankova NM, et al. *Biokhimiia* 43(7):1233-41, Jul 78 (Eng. Abstr.) (Rus)

### URINE

Urinary steroid excretion in 17 alpha-hydroxylase deficiency. Honour JW, et al. *J Steroid Biochem* 9(6):495-505, Jun 78

## PROGESTATIONAL HORMONES

### ADMINISTRATION & DOSAGE

[Postcoital contraception] Beckmann M, et al. *Med Welt* 29(40):1576-8, 6 Oct 78 (Ger)

### ADVERSE EFFECTS

[Postmenopause and estrogen substitution] Jaszmann LJ. *Tijdschr Ziekenverpl* 31(18):822-9, 5 Sep 78 (Dut)

### BLOOD

Topical administration of progestational steroids in the eye and nose--a rapid absorption to the blood. Ohman L, et al. *Contraception* 18(2):171-80, Aug 78

### CEREBROSPINAL FLUID

Topical administration of progestational steroids in the eye and nose--a rapid absorption to the blood. Ohman L, et al. *Contraception* 18(2):171-80, Aug 78

### PHARMACODYNAMICS

Topical administration of progestational steroids in the eye and nose--a rapid absorption to the blood. Ohman L, et al. *Contraception* 18(2):171-80, Aug 78  
Hormonal steroid contraceptives: a further review of adverse reactions. McQueen EG. *Drugs* 16(4):322-57, Oct 78 (127

ref.)

### PHYSIOLOGY

The role of hormones in endometrial cancer. Gambrell RD Jr. *South Med J* 71(10):1280-6, 1293, Oct 78 (45 ref.)

### THERAPEUTIC USE

Antithrombin III levels in Indian women during pregnancy, post-partum and intake of oral contraceptives. Toddywalla VS, et al. *J Obstet Gynaecol India* 28(1):52-4, Feb 78  
The role of hormones in endometrial cancer. Gambrell RD Jr. *South Med J* 71(10):1280-6, 1293, Oct 78 (45 ref.)  
The determination of antithrombin III. Comparison of six methods. Effect of oral contraceptive therapy. Bounameaux H, et al. *Thromb Haemost* 39(3):607-15, 30 Jun 78  
[Postmenopause and estrogen substitution] Jaszmann LJ. *Tijdschr Ziekenverpl* 31(18):822-9, 5 Sep 78 (Dut)  
[Therapeutics basis of threatened abortions (author's transl)] Viala JL. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):678-82, Apr 78 (Eng. Abstr.) (Fre)  
[Prophylactic medication to prevent miscarriage in pregnant women with a history of sterility (author's transl)] Philipp K, et al. *Wien Klin Wochenschr* 90(18):670-2, 29 Sep 78 (Eng. Abstr.) (Ger)

## PROGESTATIONAL HORMONES, SYNTHETIC

### ADVERSE EFFECTS

Oral contraceptives, venous thrombosis, and varicose veins. Royal College of General Practitioners' Oral Contraception Study. *J R Coll Gen Pract* 28(192):393-9, Jul 78

### ISOLATION & PURIFICATION

Distribution of cytoplasmic estrogen and progesterone receptors in human endometrium. Tsibris JC, et al. *Am J Obstet Gynecol* 132(4):449-54, 15 Oct 78

### PHARMACODYNAMICS

Formulation-dependent effect of oral contraceptives on H.D.L.-cholesterol [letter] Shelton JD, et al. *Lancet* 2(8091):677, 23 Sep 78  
The effect of progesterone analogues, naturally occurring steroids, and contraceptive progestins on hypothalamic and anterior pituitary delta4-steroid (progesterone) 5alpha-reductase. Krause JE, et al. *Steroids* 31(6):823-39, Jun 78

### THERAPEUTIC USE

Human renal cell carcinoma as a hormone-dependent tumor. Concolino G, et al. *Cancer Res* 38(11 Pt 2):4340-4, Nov 78  
Surgery in endometrial cancer: age, route, and operability rate in 854 stage I and II fresh consecutive cases: 1955-1976. Candiani GB, et al. *Gynecol Oncol* 6(4):363-72, Aug 78  
New role of endocrine therapy in breast cancer. Kennedy BJ. *Int J Radiat Oncol Biol Phys* 4(5-6):469-72, May-Jun 78  
[Cause-effect relationships between endometriosis and sterility and the prognosis for restoration of the child-bearing function depending on the type of therapy] Rotkina IE. *Akush Ginekol (Mosk)* (8):56-9, Aug 78 (Eng. Abstr.) (Rus)  
[Uterine endometriosis interna] Shinkareva LF, et al. *Akush Ginekol (Mosk)* (8):50-5, Aug 78 (Eng. Abstr.) (Rus)

## PROGESTERONE

Substrate characteristics of progesterone-albumin conjugates with 20beta-hydroxysteroid dehydrogenase. Sweet F, et al. *Biochem Biophys Res Commun* 83(1):187-94, 14 Jul 78  
Progesterone permeation through polymer membranes II: diffusion studies on hydrogel membranes. Zentner GM, et al. *J Pharm Sci* 67(10):1352-5, Oct 78  
Progesterone permeation through polymer membranes I: diffusion studies on plasma-soaked membranes. Zentner GM, et al. *J Pharm Sci* 67(10):1347-51, Oct 78  
[Contraceptive counseling for young girls] Huber A.

- Fortsschr Med 96(33):1638-42, 7 Sep 78 (Ger)  
[Contraception with the intrauterine pessary Progestasert] Schweppe KW, et al. Fortsschr Med 96(33):1685-90, 7 Sep 78 (Eng. Abstr.) (Ger)  
[Estradiol reception and enzyme induction in mouse mammary gland neoplasms] Merkulova TI, et al. Vopr Onkol 24(8):19-26, 1978 (Eng. Abstr.) (Rus)

#### ADMINISTRATION & DOSAGE

- The effects of intraventricular injection of gamma-aminobutyric acid (GABA) on prolactin and gonadotropin release in conscious female rats. Vijayan E, et al. Brain Res 155(1):35-43, 20 Oct 78  
Comparison of the effects of estradiol-17beta and the synthetic estrogen, RU-2858, on lordosis behavior in adult female rats and guinea pigs. Landau IT, et al. Horm Behav 10(2):143-55, Apr 78  
Clinical trials with injectable contraceptives. Prema K, et al. J Obstet Gynaecol India 28(1):107-10, Feb 78

#### ADVERSE EFFECTS

- Focal nodular hyperplasia of the liver and contraceptive steroids. St Omer FB, et al.  
Acta Hepatogastroenterol (Stuttg) 25(4):319-21, Aug 78

#### ANALOGS & DERIVATIVES

- Inhibition of steroidogenic response to corticotropin in mouse adrenal tumor cells (Y-1) by the ionophore A23187. Role of protein biosynthesis. Nakamura M, et al.  
Biochim Biophys Acta 542(2):330-9, 17 Aug 78  
Simultaneous solubilization of steroid hormones I: estrogens and C21 steroids. Lövgren T, et al. J Pharm Sci 67(10):1419-22, Oct 78  
Oestrus control in bitches with proligestone, a new progestational steroid. Vanos JL, et al.  
J Small Anim Pract 19(9):521-9, Sep 78  
Peripheral and ovarian vein plasma levels of 20alpha-dihydroprogesterone in women with normal menstrual cycles. Lucisano A, et al. J Steroid Biochem 9(7):643-8, Jul 78  
Prostaglandin F2alpha prostaglandin E2, progesterone, 20alpha-dihydroprogesterone and ovarian 20alpha hydroxysteroid dehydrogenase activity in preparturient pelvic neurectomized rats. Louis TM, et al.  
Proc Soc Exp Biol Med 158(4):631-6, Sep 78  
Progesterone, 20alpha-dihydroprogesterone and PGF; interrelated hormonal changes during pseudo-pregnancy in the rat. Hall AK, et al. Prostaglandins 15(6):1013-25, Jun 78  
The effect of progesterone analogues, naturally occurring steroids, and contraceptive progestins on hypothalamic and anterior pituitary delta4-steroid (progesterone) 5alpha-reductase. Krause JE, et al. Steroids 31(6):823-39, Jun 78

#### ANALYSIS

- The effect of passive immunization against estradiol on the regulatory profile and character of labor in the rat. Csapo AI, et al. Am J Obstet Gynecol 132(4):464-70, 15 Oct 78  
Effect of a progesterone-releasing intravaginal device on the milk progesterone levels, vaginal flora, milk yield and fertility of cyclic and non-cyclic dairy cows. Bulman DC, et al. J Reprod Fertil 53(2):289-96, Jul 78  
The relationship of age and stage of gestation to the incidence of embryo death in dairy cattle. Ball PJ. Res Vet Sci 25(1):120-2, Jul 78  
The measurement of milk progesterone in suckled cows. Bulman DC, et al. Vet Rec 103(8):161-2, 19 Aug 78

#### BIOSYNTHESIS

- In vitro and in vivo studies on Leydig cell function in old rats. Pirke KM, et al. Acta Endocrinol (Copenh) 89(2):393-403, Oct 78  
Role of gangliosides in gonadotropin and cholera enterotoxin stimulated steroidogenesis in isolated rat ovarian cells. Azhar S, et al. Biochem Biophys Res Commun 83(2):493-500, 28 Jul 78  
Androgen biosynthesis in vitro by testes from amphibia. Kime DE, et al. Gen Comp Endocrinol 35(3):280-8, Jul 78  
Maternal and fetal plasma steroid hormone levels in vaginal delivery with and without ACTH infusion. Miyakawa I, et al. Int J Gynaecol Obstet 15(6):539-44, 1978  
Direct and pituitary-mediated effects of delta9-THC and cannabinal on the testis. Dalterio S, et al.  
Pharmacol Biochem Behav 8(6):673-8, Jun 78

#### BLOOD

- Fine structure of rat prolactin cells after treatment with a long acting depot contraceptive. Aumüller G, et al.  
Acta Endocrinol (Copenh) 89(2):251-62, Oct 78  
Pituitary and ovarian hormonal response to 48 h gonadotropin releasing hormone (GnRH) infusions in female Rhesus monkeys. Ferin M, et al.  
Acta Endocrinol (Copenh) 89(1) Sep 78  
Oestrogen treatment and subsequent pregnancy in two patients with severe hypergonadotrophic ovarian failure. Starup J, et al. Acta Endocrinol (Copenh) 89(1):149-57, Sep 78  
2alpha-bromoergocryptine in the management of the amenorrhea-galactorrhea syndrome. Clinical and endocrinological evaluation of response to treatment. Barreca P, et al. Acta Eur Fertil 9(1):21-9, Mar 78 (Eng, Ita)  
Influence of oral contraceptives on immediate postabortal pituitary-ovarian function. Lähteenmäki P.  
Acta Obstet Gynecol Scand Suppl 76:1-43, 1978  
Plasma progesterone assays in superovulated cattle. Solti L, et al. Acta Vet Scand 19(2):298-309, 1978  
Mechanisms of ethionine carcinogenesis. Sharma OK, et al. Adv Enzyme Regul 16:391-405, 3-4 Oct 77 (76 ref.)  
Vaginal blood flow during the menstrual cycle. Abrams RM, et al. Am J Obstet Gynecol 132(4):396-400, 15 Oct 78  
The relationship of changes in mammary blood flow and plasma progesterone at the time of parturition in the ewe. Burd LI, et al. Am J Obstet Gynecol 132(4):385-91, 15 Oct 78  
The effect of passive immunization against estradiol on the regulatory profile and character of labor in the rat. Csapo AI, et al. Am J Obstet Gynecol 132(4):464-70, 15 Oct 78  
Daily assessment of ocular and hormonal variables throughout the menstrual cycle. Feldman F, et al. Arch Ophthalmol 96(10):1835-8, Oct 78  
Hyena disease in cattle: lutropin, oestradiol-17 beta, testosterone, progesterone and 17-hydroxyprogesterone peripheral plasma concentrations. Thibier M, et al.  
Br Vet J 134(5):462-8, Sep-Oct 78  
Estradiol and progesterone receptor levels in human breast adenocarcinoma in relation to plasma estrogen and progesterone levels. Saez S, et al. Cancer Res 38(10):3468-73, Oct 78  
Serum steroids in normal males and patients with prostatic diseases. Hammond GL, et al. Clin Endocrinol (Oxf) 9(2):113-21, Aug 78  
The disappearance of HCG and return of pituitary function after abortion. Lähteenmäki P. Clin Endocrinol (Oxf) 9(2):101-12, Aug 78  
Gynecomastia induced in normal males by spironolactone. Huffman DH, et al. Clin Pharmacol Ther 24(4):465-73, Oct 78  
Therapeutic use of luteinizing hormone-releasing hormone in the human female. Nillius SJ. Curr Top Mol Endocrinol 3:93-112, 1976  
Conditions for establishment of reflex ovulation in light estrous rats. Murakami N, et al. Endocrinol Jpn 25(3):299-303, Jun 78  
Changes in serum 17alpha-hydroxyprogesterone levels during periovulatory phase in women. Uemura T, et al.  
Endocrinol Jpn 25(3):295-8, Jun 78  
The adrenal cortex and the luteotrophic action of estrogens during the estrous cycle in the rat. Hassani M, et al.  
Endokrinologie 72(1):43-50, Apr 78  
The annual ovarian cycle of Chrysemys picta: correlated changes in plasma steroids and parameters of vitellogenesis. Callard IP, et al. Gen Comp Endocrinol 35(3):245-57, Jul 78  
In vivo responses of female snakes (Natrix fasciata) and female turtles (Chrysemys picta) to ovine gonadotropins (FSH and LH) as measured by plasma progesterone, testosterone, and estradiol levels. Lance V, et al. Gen Comp Endocrinol 35(3):295-301, Jul 78  
Heterosexual interactions in laboratory-housed stump-tail macaques (Macaca arctoides): observations during the menstrual cycle and after ovariectomy. Slob AK, et al.  
Horm Behav 10(2):193-211, Apr 78  
Rapid re-entrainment of the estrous cycle of hamsters to reversal of scotophase and photophase. pp. 196-9. Campbell CS, et al.  
In: Assenmacher I, Farner DS, ed. Environmental endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.  
Central neural control of endocrine rhythms in the rat. pp. 153-62. Kalra SP, et al.  
In: Assenmacher I, Farner DS, ed. Environmental endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.  
Maternal and fetal plasma steroid hormone levels in vaginal delivery with and without ACTH infusion. Miyakawa I, et al. Int J Gynaecol Obstet 15(6):539-44, 1978



- Bovine ovarian and pituitary responses to PMS and GnRH administered during metestrus. Ford SP, et al. *J Anim Sci* 46(6):1701-6, Jun 78
- Uterine protein secretions in postpartum sows. Segerson EC Jr, et al. *J Anim Sci* 46(6):1730-7, Jun 78
- Transitory changes of hormones in plasma of postpartum dairy cows. Goodale WS, et al. *J Dairy Sci* 61(6):740-6, Jun 78
- Effect of oestrogen on fetal survival in the rabbit. Badawy S, et al. *J Reprod Fertil* 53(2):237-9, Jul 78
- CL regression in the pseudopregnant rabbit and the effects of treatment with prostaglandin F-2alpha and arachidonic acid. Carlson JC, et al. *J Reprod Fertil* 53(2):381-7, Jul 78
- Effect of active immunization against oestrogens on plasma gonadotrophins in the ewe and the response to synthetic oestrogen or LH. Pant HC, et al. *J Reprod Fertil* 53(2):241-8, Jul 78
- Luteotrophic effect of the rabbit blastocyst. Singh MM, et al. *J Reprod Fertil* 53(2):331-3, Jul 78
- The significance of the convoluted oviduct in the infertile woman. Cohen BM, et al. *J Reprod Med* 21(1):31-5, Jul 78
- Peripheral and ovarian vein plasma levels of 20alpha-dihydroprogesterone in women with normal menstrual cycles. Lucisano A, et al. *J Steroid Biochem* 9(7):643-8, Jul 78
- Estrogen-like compounds and progesterone in male and female rats before puberty—I. Pattern and origin. Morera AM, et al. *J Steroid Biochem* 9(7):623-9, Jul 78
- Entrainment of the female hamster to reversed photoperiod: role of the pineal. Finkelstein JS, et al. *Physiol Behav* 21(1):105-11, Jul 78
- Prostaglandin F2alpha prostaglandin E2, progesterone, 20alpha-dihydroprogesterone and ovarian 20alpha hydroxysteroid dehydrogenase activity in preparturient pelvic neurectomized rats. Louis TM, et al. *Proc Soc Exp Biol Med* 158(4):631-6, Sep 78
- Release of prostaglandin F 2alpha during the bovine periparturient period. Edqvist LE, et al. *Prostaglandins* 16(1):111-9, Jul 78
- Progesterone, 20alpha-dihydroprogesterone and PGF; interrelated hormonal changes during pseudo-pregnancy in the rat. Hall AK, et al. *Prostaglandins* 15(6):1013-25, Jun 78
- Effect of prostaglandin F2alpha on ovarian and pituitary function in the mid-luteal phase. Kajanoja P, et al. *Prostaglandins* 16(2):327-32, Aug 78
- Termination of early pregnancy by a single-dose 3.0 mg 15-methyl PGF2alpha methyl ester vaginal suppository. Mandelin M. *Prostaglandins* 16(1):143-52, Jul 78
- The psychobiology of premenstrual dysphoria: the role of prolactin. Carroll BJ, et al. *Psychoneuroendocrinology* 3(2):171-80, Apr 78
- Ultrastructural changes in the placenta of the ewe after fetal pituitary stalk section. Steven DH, et al. *Q J Exp Physiol* 63(3):221-9, Jul 78
- The intra-uterine contraceptive device—contraceptive or abortifacient? Kort H, et al. *S Afr Med J* 53(21):864-6, 27 May 78
- Induction of ovalbumin synthesis in immature chicks by actinomycin D and thioacetamide. Sharma OK. *Science* 202(4363):68-9, 6 Oct 78
- [Biochemical basis for the study of steroid hormones (proceedings)] Degrelle H. *Ann Biol Clin (Paris)* 36(3):168-71, 1978 (Fre)
- [Role played by the adrenal cortex on the luteotrophic action of estrogens during the rat estrus cycle] Hassani M. *C R Soc Biol (Paris)* 172(1):167-71, 1978 (Eng. Abstr.) (Fre)
- [The hormonal levels in case of abortion during the first trimester (author's transl)] Chartier M. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):673-7, Apr 78 (Eng. Abstr.) (Fre)
- [The value of determinations of human chorionic gonatrophin, human placental lactogen, progesterone and oestriol in women with threatened abortion (author's transl)] Gerhard I, et al. *Geburtshilfe Frauenheilkd* 38(10):785-99, Oct 78 (Eng. Abstr.) (Ger)
- [Rapid radioimmunoassay for the determination of serum progesterone levels (author's transl)] Spona J, et al. *Wien Klin Wochenschr* 90(18):654-8, 29 Sep 78 (Eng. Abstr.) (Ger)
- [Behavior of some hormones in pregnancy and their influence on carbohydrate metabolism] Cappa F, et al. *Boll Soc Ital Biol Sper* 54(7):647-50, 15 Apr 78 (Ita)
- [Effects of postovulatory synthetic corticosteroid administration on ovarian function in women (author's transl)] Koyama T, et al. *Nippon Naibunpi Gakkai Zasshi* 54(5):648-53, 20 May 78 (Eng. Abstr.) (Jpn)
- [Change in the estradiol, progesterone and testosterone levels

in the blood plasma in Stein-Leventhal syndrome] Dokumov S, et al. *Akush Ginekol (Mosk)* (8):33-5, Aug 78 (Rus)

## IMMUNOLOGY

- Inhibition of induction of decidualoma by acute administration of antibody to progesterone. Barkai U, et al. *Life Sci* 23(7):679-81, 21 Aug 78
- [Effect of hormones on cellular and humoral immunity in pregnancy] Gulianskii LN. *Akush Ginekol (Mosk)* (9):1-5, Sep 78 (47 ref.) (Rus)

## METABOLISM

- Binding of aldosterone to cytoplasmic and nuclear receptors of the urinary bladder epithelium of *Bufo marinus*. Kusch M, et al. *Am J Physiol* 235(3):C82-9, Sep 78
- Progesterone biotransformation by plant cell suspension cultures. Yagen B, et al. *Appl Environ Microbiol* 36(2):213-6, Aug 78
- The intracellular localization of adrenal 3beta-hydroxysteroid dehydrogenase/delta5-isomerase by density gradient perturbation. Headon DR, et al. *Biochem Biophys Res Commun* 82(3):1006-12, 14 Jun 78
- Human endometrial cancer cell cultures for hormonal studies. Satyaswaroop PG, et al. *Cancer Res* 38(11 Pt 2):4367-75, Nov 78
- Structure of chick progesterone receptors. Schrader WT, et al. *Cancer Res* 38(11 Pt 2):4199-203, Nov 78
- Evidence of the in vitro formation of cortisol by the adrenal gland of embryonic and young chickens (*Gallus domesticus*). Nakamura T, et al. *Gen Comp Endocrinol* 35(3):302-8, Jul 78
- Studies on the metabolism of neutral steroids by preimplantation rabbit blastocysts in vitro and the origin of blastocyst oestrogen. Singh MM, et al. *J Reprod Fertil* 53(2):297-304, Jul 78
- Estrogen-like compounds and progesterone in male and female rats before puberty—II. Effects of administration of ACTH, steroidogenesis inhibitors, dexamethasone and hCG. Audi L, et al. *J Steroid Biochem* 9(7):631-5, Jul 78
- Progesterone metabolism in vitro by ovaries from androgen-sterilized rats of different ages. Tomoyama J, et al. *J Steroid Biochem* 9(7):695-6, Jul 78
- Characterization of progesterone receptors and metabolism of progesterone in the normal and cancerous human mammary gland. Verma U, et al. *J Steroid Biochem* 9(6):569-77, Jun 78
- Steroid 17-hydroxylation and androgen production by incubated rat adrenal tissue. Vinson GP, et al. *J Steroid Biochem* 9(7):677-83, Jul 78
- Progesterone, 20alpha-dihydroprogesterone and PGF; interrelated hormonal changes during pseudo-pregnancy in the rat. Hall AK, et al. *Prostaglandins* 15(6):1013-25, Jun 78
- Angiotensin stimulates cortisol biosynthesis in human adrenal cells in vitro. McKenna TJ, et al. *Steroids* 32(1):127-36, Jul-Aug 78
- [The pathological secretion of prolactin (author's transl)] Schaison G. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):634-9, Apr 78 (Eng. Abstr.) (Fre)

## PHARMACODYNAMICS

- Functional and hormonal control of pelvic width in the rat. Riesenfeld A. *Acta Anat (Basel)* 102(4):427-32, 1978
- Adrenal involvement in the timing of puberty in female rats: interaction with serum prolactin levels. Gelato MC, et al. *Acta Endocrinol (Copenh)* 89(3):590-8, Nov 78
- Effect of norepinephrine synthesis inhibitors and a dopamine agonist on hypothalamic LH-RH serum gonadotrophin and prolactin levels in gonadal steroid treated rats. Kalra SP, et al. *Acta Endocrinol (Copenh)* 89(1):1-9, Sep 78
- The relationship of changes in mammary blood flow and plasma progesterone at the time of parturition in the ewe. Burd LI, et al. *Am J Obstet Gynecol* 132(4):385-91, 15 Oct 78
- The effect of a progesterone-releasing intrauterine contraceptive device on uterine secretion of prostaglandin F2alpha and life-span of corpora lutea in the ewe. Murdoch WJ, et al. *Am J Obstet Gynecol* 132(1):81-6, 1 Sep 78
- Smooth muscle mechanical responses in vitro to bethanechol after progesterone in male rat. Bruce LA, et al. *Am J Physiol* 235(4):E422-8, Oct 78
- Influence of estrogen on renal vitamin D hydroxylases and serum 1alpha,25-(OH)2D3 in chicks. Pike JW, et al. *Am J Physiol* 235(3):E338-43, Sep 78
- Influence of p-chloroamphetamine and p-chlorophenylalanine on female mating behavior. Zemlan FP.

- Ann NY Acad Sci 305:621-6, 12 Jun 78
- Effects of ovarian steroids on spontaneous and nerve-induced electrical activity of the oviduct and its attached membranes in the rabbit. Meiri U, et al. *Biol Reprod* 19(1):183-93, Aug 78
- Tolerance to the anti-seborrhoeic effect of topically applied progesterone [proceedings] Simpson NB, et al. *Br J Dermatol* 99(Suppl 16):9, Jul 78
- The effect of sex steroids on the in vitro synthesis of DNA by malignant ovarian tumours. Darwish DH. *Br J Obstet Gynaecol* 85(8):627-33, Aug 78
- Effects of estrogen and progesterone on plasma gonadotropins and on catecholamine levels and turnover in discrete brain regions of ovariectomized rats. Crowley WR, et al. *Brain Res* 154(2):345-57, 13 Oct 78
- Glucocorticoid binding and [3H]thymidine incorporation into DNA in embryonic chick cell cultures. Fodge DW, et al. *Cancer Res* 38(10):3391-7, Oct 78
- Clinical implications of ureteral reflux in pregnancy. Mattingly RF, et al. *Clin Obstet Gynecol* 21(3):863-73, Sep 78
- Topical administration of progestational steroids in the eye and nose—a rapid absorption to the blood. Ohman L, et al. *Contraception* 18(2):171-80, Aug 78
- Pharmacological induction of ovulation in old and neonatally androgenized rats. Lehman JR, et al. *Exp Gerontol* 13(3-4):107-14, 1978
- Comparison of the effects of estradiol-17beta and the synthetic estrogen, RU-2858, on lordosis behavior in adult female rats and guinea pigs. Landau IT, et al. *Horm Behav* 10(2):143-55, Apr 78
- Normal human endometrium in cell culture. I. Separation and characterization of epithelial and stromal components in vitro. Kirk D, et al. *In Vitro* 14(8):651-62, Aug 78
- The interaction between female sex hormones and D-amphetamine on central biogenic amines during the rat oestrous cycle. Fludder JM, et al. *Ir J Med Sci* 147 Suppl 1:28-32, Aug 78
- Glucocorticoid induction of hepatic alpha2u-globulin synthesis and messenger RNA level in castrated male rats in vivo. Kurtz DT, et al. *J Biol Chem* 253(21):7886-90, 10 Nov 78
- omega-Oxidation of prostaglandins by lung and liver microsomes. Changes in enzyme activity induced by pregnancy, pseudopregnancy, and progesterone treatment. Powell WS. *J Biol Chem* 253(19):6711-6, 10 Oct 78
- Increase in concanavalin A binding sites in mouse blastocysts during implantation. Wu JT, et al. *J Exp Zool* 205(3):447-53, Sep 78
- Steroid hormone alteration of herpes simplex virus type 1 replication. Notter MF, et al. *J Med Virol* 2(3):247-52, 1978
- Primary culture of rat mammary epithelial cells. I. Effect of plating density, hormones, and serum on DNA synthesis. Richards J, et al. *J Natl Cancer Inst* 61(3):765-71, Sep 78
- Progesterone-induced decrease of pineal protein synthesis in rats. Possible participation in estrous-related changes of pineal function. Cardinali DP, et al. *J Neural Transm* 42(3):193-205, 1978
- Effect of a progesterone-releasing intravaginal device on the milk progesterone levels, vaginal flora, milk yield and fertility of cyclic and non-cyclic dairy cows. Bulman DC, et al. *J Reprod Fertil* 53(2):289-96, Jul 78
- The metabolism and motility of human spermatozoa in the presence of steroid hormones and synthetic progestagens. Hyne RV, et al. *J Reprod Fertil* 53(2):315-22, Jul 78
- Effects of RMI 12,936, a synthetic antiprogestational steroid, on the oestrous cycle and ovulation in the rat. Kendle KE, et al. *J Reprod Fertil* 53(2):363-8, Jul 78
- Oestrous and ovarian responses to exogenous progesterone and oestrogen in prepubertal ewe lambs in relation to the fecundity of their dams. Whyman D. *J Reprod Fertil* 53(2):323-30, Jul 78
- Oestrus control in bitches with proligestone, a new progestational steroid. Vanos JL, et al. *J Small Anim Pract* 19(9):521-9, Sep 78
- Breast-feeding and mother's education [letter] Last P. *Lancet* 2(8095):896-7, 21 Oct 78
- Steroid-induced meiotic division in *Xenopus laevis* oocytes: surface and calcium. Baulieu EE, et al. *Nature* 275(5681):593-8, 19 Oct 78 (82 ref.)
- Artificial menstrual cycles, behaviour and the role of androgens in female rhesus monkeys. Michael RP, et al. *Nature* 275(5679):439-40, 5 Oct 78
- The applied and economic aspects of oestrus synchronisation in cattle. Smith JF, et al. *NZ Vet J* 26(7):173-5, Jul 78
- Inhibition of estrogen-induced sexual receptivity of female hamsters: comparative effects of progesterone, dihydrotestosterone and an estrogen antagonist. De Bold JF, et al. *Pharmacol Biochem Behav* 9(1):81-6, Jul 78
- Effects of ovariectomy and hormone replacement on DRL behavior in the rat. Lentz FE Jr, et al. *Physiol Behav*

- 20(4):477-80, Apr 78
- Effects of sex hormones on cardiovascular and hematologic responses to chronic hypoxia in rats. Moore LG, et al. *Proc Soc Exp Biol Med* 158(4):658-62, Sep 78
- The effect of progesterone analogues, naturally occurring steroids, and contraceptive progestins on hypothalamic and anterior pituitary delta4-steroid (progesterone) 5alpha-reductase. Krause JE, et al. *Steroids* 31(6):823-39, Jun 78
- Electron microscopic studies of mouse oocytes and two-cell embryos exposed to progesterone in vitro. Kwon HB, et al. *Yonsei Med J* 18(1):19-28, 1977
- [Early effect of estradiol on ultrastructure of chromatin in the endometrium and hormone-dependent mammary tumors] Vic P, et al. *C R Acad Sci [D] (Paris)* 287(3):141-4, 17 Jul 78 (Eng. Abstr.) (Fre)
- [Modifications in the liver and elaboration of vitelline proteins during vitellogenesis following hormone treatments in *Spondyliosoma cantharus* L.] Etessami S, et al. *C R Soc Biol (Paris)* 172(1):43-6, 1978 (Eng. Abstr.) (Fre)
- [Effects of gestagen on pregnancy maintenance and uterine contraction—experimental studies] Kato H. *Horumon To Rinsho* 26(1):79-84, Jan 78 (Jpn)
- [Mechanism involved in the basal body temperature—effects of sex hormones and gonadotropin on the temperature regulation system in rats] Kawakami M, et al. *Horumon To Rinsho* 26(6):603-9, Jun 78 (Jpn)
- [Studies on the biological action of uterine RNA in rat implantation (author's transl)] Nishikawa M. *Nippon Nihunpi Gakkai Zasshi* 54(5):692-709, 20 May 78 (Eng. Abstr.) (Jpn)
- [Sex differences in brain functioning and effects related to them] Vunder PA. *Usp Sovrem Biol* 86(1):129-42, Jul-Aug 78 (104 ref.) (Rus)

# PHYSIOLOGY

- Functional and dysfunctional uterine bleeding. Poindexter AN, et al. *Compr Ther* 4(8):32-7, Aug 78
- Inhibition of induction of deciduoma by acute administration of antibody to progesterone. Barkai U, et al. *Life Sci* 23(7):679-81, 21 Aug 78
- Effects of ovariectomy and hormone replacement on DRL behavior in the rat. Lentz FE Jr, et al. *Physiol Behav* 20(4):477-80, Apr 78
- [New acquisitions on the hormonal regulation of the menstrual cycle] Kyank H, et al. *Z Aertzl Forthild (Jena)* 72(15):710-9, 1 Aug 78 (Ger)
- [Behavior of some hormones in pregnancy and their influence on carbohydrate metabolism] Cappa F, et al. *Boll Soc Ital Biol Sper* 54(7):647-50, 15 Apr 78 (Ita)
- [Regulatory mechanism of gonadotropin secretion (3). Negative feedback and biphasic effect of estrogens on gonadotropin] Tamada T, et al. *Horumon To Rinsho* 26(1):57-66, Jan 78 (Jpn)

# SECRETION

- Pituitary and ovarian hormonal response to 48 h gonadotropin releasing hormone (GnRH) infusions in female Rhesus monkeys. Ferin M, et al. *Acta Endocrinol (Copenh)* 89(1) Sep 78
- Effects of human chorionic gonadotropin on the release of cyclic AMP and progesterone from the sheep ovary at different stages of the oestrous cycle. Weiss TJ, et al. *Acta Endocrinol (Copenh)* 89(1):158-65, Sep 78
- Secretion of steroids after induced luteal regression in beef heifers: effects of PGF2 alpha and removal of corpora lutea. Fogwell RL, et al. *J Anim Sci* 46(6):1718-23, Jun 78
- The corpus luteum of the guinea pig. II. Cytochemical studies on the Golgi complex, GERL, and lysosomes in luteal cells during maximal progesterone secretion. Paavola LG. *J Cell Biol* 79(1):45-58, Oct 78
- Effect of active immunization against oestrogens on plasma gonadotrophins in the ewe and the response to synthetic oestrogen or LH. Pant HC, et al. *J Reprod Fertil* 53(2):241-8, Jul 78

# THERAPEUTIC USE

- Oestrus control in bitches with proligestone, a new progestational steroid. Vanos JL, et al. *J Small Anim Pract* 19(9):521-9, Sep 78
- [Therapeutics basis of threatened abortions (author's transl)] Viala JL. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):678-82, Apr 78 (Eng. Abstr.) (Fre)
- [Roundtable conference: 'Finger polyarthrosis'] *Verh Dtsch Ges Rheumatol* 5:336-42, 1978 (Ger)



## URINE

- Urinary steroid excretion in 17 alpha-hydroxylase deficiency.  
Honour JW, et al. *J Steroid Biochem* 9(6):495-505, Jun 78

## RELAXIN

## ISOLATION &amp; PURIFICATION

- High molecular weight forms of relaxin in pregnant sow ovaries. Kwok SC, et al. *Biochem Biophys Res Commun* 82(3):997-1005, 14 Jun 78

## METABOLISM

- Target tissues for relaxin identified in vitro with 125I-labelled porcine relaxin. McMurry JP, et al. *J Reprod Fertil* 53(2):209-16, Jul 78

## SEX HORMONES

## ANALYSIS

- Hypertension due to 17alpha-hydroxylase deficiency. Wang C, et al. *Aust NZ J Med* 8(3):295-9, Jun 78

## BLOOD

- Daily assessment of ocular and hormonal variables throughout the menstrual cycle. Feldman F, et al. *Arch Ophthalmol* 96(10):1835-8, Oct 78  
Hypothalamo-pituitary-testicular axis in men undergoing chronic intermittent hemodialysis. Kawamura J, et al. *Int J Artif Organs* 1(5):224-30, Sep 78  
Stress and menstrual distress. Sommer B. *J Human Stress* 4(3):5-10, 41-7, Sep 78 (86 ref.)  
[Biochemical basis for the study of steroid hormones (proceedings)] Degrelle H. *Ann Biol Clin (Paris)* 36(3):168-71, 1978 (Fre)

## METABOLISM

- Testosterone-attenuated stereotype and hyperactivity induced by beta-phenylethylamine in pargyline-pretreated rats. Freemark M, et al. *Biol Psychiatry* 13(4):455-63, Aug 78

## PHARMACODYNAMICS

- Role of sex steroids on LH and FSH secretion in the rat. Ferland L, et al. *Curr Top Mol Endocrinol* 3:191-209, 1976 (35 ref.)  
Effects of steroidal hormones on sexual, attack, and search behavior in the isolated male chick. Young CE, et al. *Horm Behav* 10(2):107-17, Apr 78  
Regulatory effect of steroid hormones on the growth of human malignant melanoma. Chaudhuri PK, et al. *Proc Inst Med Chic* 32(3):45-7, Jul-Sep 78  
Effects of sex hormones on cardiovascular and hematologic responses to chronic hypoxia in rats. Moore LG, et al. *Proc Soc Exp Biol Med* 158(4):658-62, Sep 78  
[The mechanical resistance of epiphyses relative to the effect of sex hormones (proceedings)] Oka M, et al. *Z Orthop* 116(4):578, Aug 78 (Ger)  
[Implications of female sex hormones administration during pregnancy (editorial)] Grant M, et al. *Harefuah* 95(2):89-90, 16 Jul 78 (Heb)

## PHYSIOLOGY

- Functional and hormonal control of pelvic width in the rat. Riesenfeld A. *Acta Anat (Basel)* 102(4):427-32, 1978  
The hormonal regulation of hepatic microsomal 11beta-hydroxysteroid dehydrogenase activity in the rat. Lax ER, et al. *Acta Endocrinol (Copenh)* 89(2):352-8, Oct 78  
The effect of sex hormones on the proximal tubules in the rat kidney. Schiebler TH, et al. *Cell Tissue Res* 192(3):527-49, 26 Sep 78  
The ultrastructure of the male and female prostate of *Pracomys* (Mastomys) natalensis. I. Normal, castrated and ovariectomised animals. Smith AF, et al. *Cell Tissue Res* 190(3):539-52, 10 Jul 78  
Role of sex steroids on LH and FSH secretion in the rat. Ferland L, et al. *Curr Top Mol Endocrinol* 3:191-209, 1976 (35 ref.)  
Toward an understanding of female criminality. Widom CS.

- Prog Exp Pers Res* 8:245-308, 1978 (153 ref.)  
[Testosterone and male sexuality (author's transl)] Raboch J. *Cesk Psychiatr* 74(2):73-6, Apr 78 (Eng. Abstr.) (Cze)

## SECRETION

- Secretion of steroids after induced luteal regression in beef heifers: effects of PGF2 alpha and removal of corpora lutea. Fogwell RL, et al. *J Anim Sci* 46(6):1718-23, Jun 78  
[Biochemical basis for the study of steroid hormones (proceedings)] Degrelle H. *Ann Biol Clin (Paris)* 36(3):168-71, 1978 (Fre)

## THERAPEUTIC USE

- Transsexualism. Open forum. Money J. *Arch Sex Behav* 7(4):387-415, Jul 78  
Biochemical basis for the selection of hormonal manipulation in the patient with breast carcinoma. Wittliff JL, et al. *Int J Radiat Oncol Biol Phys* 4(5-6):463-7, May-Jun 78

## STANOLONE

## ADMINISTRATION &amp; DOSAGE

- GABA and gonadal hormones. Earley CJ, et al. *Brain Res* 155(1):27-34, 20 Oct 78

## ANALOGS &amp; DERIVATIVES

- Mesterolone treatment of patients with pathospermia. Szöllösi J, et al. *Int Urol Nephrol* 10(3):251-6, 1978

## BIOSYNTHESIS

- Androgen biosynthesis in vitro by testes from amphibia. Kime DE, et al. *Gen Comp Endocrinol* 35(3):280-8, Jul 78

## BLOOD

- GABA and gonadal hormones. Earley CJ, et al. *Brain Res* 155(1):27-34, 20 Oct 78  
Serum steroids in normal males and patients with prostatic diseases. Hammond GL, et al. *Clin Endocrinol (Oxf)* 9(2):113-21, Aug 78  
Androgen and cortisol responses to ACTH stimulation in women with hyperprolactinaemia. Kandeel FR, et al. *Clin Endocrinol (Oxf)* 9(2):123-30, Aug 78  
Central neural control of endocrine rhythms in the rat. pp. 153-62. Kalra SP, et al.  
In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
Prostatic function in the brush-tailed possum, *Trichosurus vulpecula*. Cook B, et al. *J Reprod Fertil* 53(2):369-75, Jul 78

## IMMUNOLOGY

- Synthesis of new steroid haptens for radioimmunoassay--part V. 19-O-carboxymethyl ether derivative of testosterone. A highly specific antiserum for immunoassay of testosterone from both male and female plasma without chromatography. Rao PN, et al. *J Steroid Biochem* 9(6):539-45, Jun 78

## METABOLISM

- Mechanisms of replenishment of nuclear androgen receptor in rat ventral prostate. Van Doorn E, et al. *Biochem J* 174(1):9-16, 15 Jul 78  
Androgen effects mediated by estrogen receptor in 7,12-dimethylbenz(a)anthracene-induced rat mammary tumors. Garcia M, et al. *Cancer Res* 38(11 Pt 1):3922-9, Nov 78  
Dihydrotestosterone concentration in prostate cancer tissue as a predictor of tumor differentiation and hormonal dependency. Geller J, et al. *Cancer Res* 38(11 Pt 2):4349-52, Nov 78  
Androgen metabolism in adipose tissue: conversion of 5alpha-dihydrotestosterone to 3alpha-androstenediol by hamster tissue. Blohm TR, et al. *J Steroid Biochem* 9(7):603-8, Jul 78  
Androgen metabolism by and binding to rabbit epididymal tissue: studies on nuclei. Danzo BJ, et al. *J Steroid Biochem* 9(6):477-83, Jun 78  
Effect of a steroidal alkylating agent (estramustine phosphate) in rat ventral prostate. Høisaeter PA. *Scand J Urol Nephrol [Suppl]* (46):1-72, 1977  
[Testosterone, its biosynthesis, transport and metabolism]

## STANOLONE

- Panaïotov D. *Vutr Boles* 17(4):15-21, 1978 (38 ref.) (Bul)  
[Effects of various drugs on the formation of a complex of prostatic cytosol receptor protein and dihydrotestosterone]  
Yamanaka H, et al. *Horumon To Rinsho* 26(1):89-92, Jan 78 (Jpn)

### PHARMACODYNAMICS

- Luteinizing hormone regulation in the monkey (*Macaca nemestrina*): failure of testosterone and dihydrotestosterone to block the estrogen-induced gonadotropin surge. Steiner RA, et al. *Biol Reprod* 19(1):51-6, Aug 78  
Androgen effects mediated by estrogen receptor in 7,12-dimethylbenz(a)anthracene-induced rat mammary tumors. Garcia M, et al. *Cancer Res* 38(11 Pt 1):3922-9, Nov 78  
Multiple sensitivities of mammary tumor cells in culture. Yates J, et al. *Cancer Res* 38(11 Pt 2):4135-7, Nov 78  
Effects of steroidal hormones on sexual, attack, and search behavior in the isolated male chick. Young CE, et al. *Horm Behav* 10(2):107-17, Apr 78  
Glucocorticoid induction of hepatic alpha<sub>2</sub>-globulin synthesis and messenger RNA level in castrated male rats in vivo. Kurtz DT, et al. *J Biol Chem* 253(21):7886-90, 10 Nov 78  
Testosterone and 5alpha-dihydrotestosterone inhibit both growth and spermatogenesis in the remaining testis in partially castrated adult newts, *Notophthalmus viridescens*. Scadding SR. *J Exp Zool* 205(3):403-12, Sep 78  
Androgenic regulation of a tissue specific isoenzyme of acid phosphatase in rat ventral prostate. Rennie PS, et al. *J Steroid Biochem* 9(7):585-93, Jul 78  
Inhibition of estrogen-induced sexual receptivity of female hamsters: comparative effects of progesterone, dihydrotestosterone and an estrogen antagonist. De Bold JF, et al. *Pharmacol Biochem Behav* 9(1):81-6, Jul 78  
[Comparison of estradiol benzoate and dihydrotestosterone propionate with testosterone propionate on the induction of male-like sexual behavior in female sheep ovariectomized as adults] Fabre C, et al. *C R Acad Sci [D] (Paris)* 286(21):1527-30, 29 May 78 (Eng. Abstr.) (Fre)  
[Early effect of estradiol on ultrastructure of chromatin in the endometrium and hormone-dependent mammary tumors] Vic P, et al. *C R Acad Sci [D] (Paris)* 287(3):141-4, 17 Jul 78 (Eng. Abstr.) (Fre)

## STANOZOLOL

### ANALYSIS

- [Analysis and technology of androstanazol tabletting]  
Novikova NV, et al. *Farmatsiia* 27(5):18-21, Sep-Oct 78 (Rus)

### PHARMACODYNAMICS

- Treatment of Raynaud's phenomenon by fibrinolytic enhancement. Jarrett PE, et al. *Br Med J* 2(6136):523-5, 19 Aug 78

### THERAPEUTIC USE

- Treatment of Raynaud's phenomenon by fibrinolytic enhancement. Jarrett PE, et al. *Br Med J* 2(6136):523-5, 19 Aug 78

## TESTOSTERONE

- Subcellular localization of gonadotropins and testosterone in the developing fetal rat testis. Childs GV, et al. *J Histochem Cytochem* 26(7):545-64, Jul 78  
[Steroid converting enzymes from microorganisms. VIII. Effect of the organic solvent specific hydrophobicity of the binding on the affinity-matrix-affinity chromatography of a 4-en-3-oxo-steroid: (Acceptor)-1-en-oxidoreductase from *Nocardia opaca*] Atrat P, et al. *J Steroid Biochem* 9(7):691-4, Jul 78 (Eng. Abstr.) (Ger)  
[Steroid metabolizing enzymes from microorganisms. VII. The nature of the biospecific binding to an affinity matrix-affinity chromatography of 4-en-3-oxo-steroid: (acceptor)-1-en-oxidoreductase from *Nocardia opaca*] Atrat P, et al. *J Steroid Biochem* 9(6):579-82, Jun 78 (Eng. Abstr.) (Ger)

## GONADS

### ADMINISTRATION & DOSAGE

- Studies on sexual differentiation of sheep. I. Foetal and maternal modifications and post-natal plasma LH and testosterone content following androgenisation early in gestation. Wilson PR, et al. *Acta Endocrinol (Copenh)* 89(1):182-9, Sep 78  
GABA and gonadal hormones. Earley CJ, et al. *Brain Res* 155(1):27-34, 20 Oct 78  
Combined effects of testosterone and estradiol on rat ventral prostate in organ culture. Feyel-Cabanes T, et al. *Cancer Res* 38(11 Pt 2):4126-34, Nov 78  
Multiple sensitivities of mammary tumor cells in culture. Yates J, et al. *Cancer Res* 38(11 Pt 2):4135-7, Nov 78  
Androgen-parathormone primed phosphorus 32 for intractable pain in carcinoma of the prostate. pp. 251-6. Haynie TP, et al.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
Treatment of testicular hypofunction with gonadotrophic hormones. Lábady F. *Int Urol Nephrol* 10(2):125-30, 1978  
Role of androgen in sexual reflexes of the male rat. Davidson JM, et al. *Physiol Behav* 21(2):141-6, Aug 78  
Influence of corticosterone on the development and display of androgen-dependent aggressive behavior in mice. Simon NG, et al. *Physiol Behav* 20(4):391-6, Apr 78  
[Medicinal preparations of suprarenal gland hormones. V. Methods of preparing microcrystalline suspensions of testosterone injections] Nerlo H, et al. *Acta Pol Pharm* 35(3):339-46, 1978 (Eng. Abstr.) (Pol)

### ANALOGS & DERIVATIVES

- Aromatization and androgen stimulation of sexual behavior in male and female rats. Yahr P, et al. *Horm Behav* 10(2):128-42, Apr 78  
Discrimination between endogenous and exogenous testosterone in human plasma after oral treatment with testosterone undecanoate using stable-isotope-labelled compounds and mass spectrometric analyses. pp. 157-65. de Ridder JJ, et al.  
In: Baillie TA, ed. *Stable isotopes*. Baltimore, Univ Park Press, 1978. QV 20.5 I61s 1978.  
Taste aversion as a method for assessing the effects of gonadal hormones on behaviour. Earley CJ. *Ir J Med Sci* 147 Suppl 1:24-7, Aug 78  
Synthesis of new steroid haptens for radioimmunoassay—part V. 19-O-carboxymethyl ether derivative of testosterone. A highly specific antiserum for immunoassay of testosterone from both male and female plasma without chromatography. Rao PN, et al. *J Steroid Biochem* 9(6):539-45, Jun 78  
The effect of progesterone analogues, naturally occurring steroids, and contraceptive progestins on hypothalamic and anterior pituitary delta<sup>4</sup>-steroid (progesterone) 5alpha-reductase. Krause JE, et al. *Steroids* 31(6):823-39, Jun 78  
[Effects of testosterone propionate on LH and testosterone concentrations before and after the injection of gonadoliberein in young bulls pre-treated with dexamethasone] Thibier M, et al.  
*C R Acad Sci [D] (Paris)* 286(24):1803-6, 19 Jun 78 (Eng. Abstr.) (Fre)

### ANTAGONISTS & INHIBITORS

- Aromatization and androgen stimulation of sexual behavior in male and female rats. Yahr P, et al. *Horm Behav* 10(2):128-42, Apr 78

### BIOSYNTHESIS

- On the relative biological and immunoreactive potencies of luteinizing hormone in the oestradiol benzoate-treated male rat. Grotjan HE Jr, et al. *Acta Endocrinol (Copenh)* 89(3):538-50, Nov 78  
In vitro and in vivo studies on Leydig cell function in old rats. Pirke KM, et al. *Acta Endocrinol (Copenh)* 89(2):393-403, Oct 78  
The influence of scrotal warming on testicular blood flow and endocrine function in the rat. Damber JE, et al. *Acta Physiol Scand* 104(1):61-7, Sep 78  
Failure of methadone-treated human testes to respond to the stimulatory effect of human chorionic gonadotrophin on testosterone biosynthesis in vitro. Purohit V, et al. *J Endocrinol* 78(2):299-300, Aug 78  
Direct and pituitary-mediated effects of delta<sup>9</sup>-THC and cannabinal on the testis. Dalterio S, et al.  
*Pharmacol Biochem Behav* 8(6):673-8, Jun 78  
[Testosterone, its biosynthesis, transport and metabolism]  
Panaïotov D. *Vutr Boles* 17(4):15-21, 1978 (38 ref.) (Bul)



## BLOOD

- The effect of LH-RH infusion on serum LH, FSH and testosterone in boys with advanced puberty, delayed puberty and hypogonadotrophic hypogonadism. de Lange WE, et al. *Acta Endocrinol (Copenh)* 89(2):209-16, Oct 78
- Reduced post-natal rise of testosterone in plasma of cryptorchid infants. Gendrel D, et al. *Acta Endocrinol (Copenh)* 89(2):372-8, Oct 78
- In vitro and in vivo studies on Leydig cell function in old rats. Pirke KM, et al. *Acta Endocrinol (Copenh)* 89(2):393-403, Oct 78
- Oestrogen induced Leydig cell refractoriness to gonadotrophin stimulation. Saez JM, et al. *Acta Endocrinol (Copenh)* 89(2):379-92, Oct 78
- Effect of glucocorticoids on plasma testosterone in men. Schaison G, et al. *Acta Endocrinol (Copenh)* 89(1):126-31, Sep 78
- Studies on sexual differentiation of sheep. I. Foetal and maternal modifications and post-natal plasma LH and testosterone content following androgenisation early in gestation. Wilson PR, et al. *Acta Endocrinol (Copenh)* 89(1):182-9, Sep 78
- Variations of serum testosterone estradiol binding globulin (TeBG) binding capacity in infants during the first year of life. Chausain JL, et al. *Acta Paediatr Scand* 67(5):649-53, Sep 78
- Relationship between haemoglobin and serum testosterone in normal children and adolescents and in boys with delayed puberty. Krabbe S, et al. *Acta Paediatr Scand* 67(5):655-8, Sep 78
- Plasma testosterone in bulls. Seasonal variation. Sundby A, et al. *Acta Vet Scand* 19(2):263-8, 1978
- The relationship between alcohol, liver disease, and testicular pathology. Kuller LH, et al. *Am J Epidemiol* 108(3):192-9, Sep 78
- Production and origin of estrogen in two true hermaphrodites. Aiman J, et al. *Am J Obstet Gynecol* 132(4):401-9, 15 Oct 78
- An anthropological perspective on the evolution and lateralization of the brain. Dawson JL. *Ann NY Acad Sci* 299:424-47, 30 Sep 77
- Treatment of amenorrhoea, galactorrhoea and hypogonadism with bromocriptine. Donald RA, et al. *Aust NZ J Med* 8(3):262-6, Jun 78
- Testicular damage due to cytotoxic drugs and recovery after cessation of therapy. Roeser HP, et al. *Aust NZ J Med* 8(3):250-4, Jun 78
- Effect of sacral cordotomy on the reproductive organs of the male guinea pig. Hill RT, et al. *Biol Reprod* 19(1):64-8, Aug 78
- Luteinizing hormone regulation in the monkey (*Macaca nemestrina*): failure of testosterone and dihydrotestosterone to block the estrogen-induced gonadotropin surge. Steiner RA, et al. *Biol Reprod* 19(1):51-6, Aug 78
- Plasma testosterone in molar pregnancy: Correlation with gestational age, uterine size, theca-lutein cyst and serum HCG. Chew PC, et al. *Br J Obstet Gynaecol* 85(8):624-6, Aug 78
- Hyena disease in cattle: lutropin, oestradiol-17 beta, testosterone, progesterone and 17-hydroxyprogesterone peripheral plasma concentrations. Thibier M, et al. *Br Vet J* 134(5):462-8, Sep-Oct 78
- GABA and gonadal hormones. Earley CJ, et al. *Brain Res* 155(1):27-34, 20 Oct 78
- Androgen-estrogen production rates in postmenopausal women with breast cancer. Kirschner MA, et al. *Cancer Res* 38(11 Pt 2):4029-35, Nov 78
- Endocrine effects of alcohol. Wright J. *Clin Endocrinol Metab* 7(2):351-67, Jul 78
- Serum steroids in normal males and patients with prostatic diseases. Hammond GL, et al. *Clin Endocrinol (Oxf)* 9(2):113-21, Aug 78
- Androgen and cortisol responses to ACTH stimulation in women with hyperprolactinaemia. Kandeel FR, et al. *Clin Endocrinol (Oxf)* 9(2):123-30, Aug 78
- Gonadotrophin, thyrotrophin and prolactin reserve in beta thalassaemia. Landau H, et al. *Clin Endocrinol (Oxf)* 9(2):163-73, Aug 78
- Gynecomastia induced in normal males by spironolactone. Huffman DH, et al. *Clin Pharmacol Ther* 24(4):465-73, Oct 78
- Studies on the diagnostic use of LH-RH. Rochefort JG, et al. *Curr Top Mol Endocrinol* 3:65-72, 1976
- Diagnostic and therapeutic use of LH-RH in the infertile man. Schwartzstein L. *Curr Top Mol Endocrinol* 3:73-91, 1976
- The annual ovarian cycle of *Chrysemys picta*: correlated changes in plasma steroids and parameters of vitellogenesis. Callard IP, et al. *Gen Comp Endocrinol* 35(3):245-57, Jul 78
- In vivo responses of female snakes (*Natrix fasciata*) and female turtles (*Chrysemys picta*) to ovine gonadotropins (FSH and LH) as measured by plasma progesterone, testosterone, and estradiol levels. Lance V, et al. *Gen Comp Endocrinol* 35(3):295-301, Jul 78
- Sexual behavior of laboratory- and wild-born male Rhesus monkeys. Phoenix CH. *Horm Behav* 10(2):178-92, Apr 78
- Hirsutism, race and testosterone levels: comparison of East Asians and Euroamericans. Ewing JA, et al. *Hum Biol* 50(2):209-15, May 78
- Annual endocrine cycles and environment in birds with special reference to male ducks. pp. 52-60. Assenmacher I, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (33 ref.)
- Central neural control of endocrine rhythms in the rat. pp. 153-62. Kalra SP, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Seasonal changes of the testicular and thyroid functions in the badger, *Meles meles* L. pp. 85-6. Maurel D.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Endocrine concomitants of the sleep-wake rhythm in man. pp. 124-31. Quabbe HJ.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (34 ref.)
- Annual endocrine rhythms in healthy young adult men: their implication in human biology and medicine. pp. 113-21. Reinberg A, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- The annual cycle of plasma testosterone and territorial behavior in the roe deer. pp. 73-4. Sempere A.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Hypothalamo-pituitary-testicular axis in men undergoing chronic intermittent hemodialysis. Kawamura J, et al.
- Int J Artif Organs* 1(5):224-30, Sep 78
- Mesterolone treatment of patients with pathospermia. Szöllösi J, et al. *Int Urol Nephrol* 10(3):251-6, 1978
- Partial inhibition of castration induced ventral prostate regression with actinomycin D and cycloheximide. Stanisic T, et al. *Invest Urol* 16(1):19-22, Jul 78
- Rate of testicular maturation, in relation to gonadotrophin and testosterone levels, in quail exposed to various artificial photoperiods and to natural daylengths. Follett BK, et al. *J Endocrinol* 78(2):267-80, Aug 78
- Male sterility in the domestic fowl (*Gallus domesticus*) after 1-(2-chloroethyl)-3-(4-methylcyclohexyl)-1-nitroso-trans (NSC-95441) treatment of chicks. Zimmer Z, et al.
- J Natl Cancer Inst* 61(3):793-7, Sep 78
- hCG stimulation test in prepubertal boys with cryptorchidism. Anousakis C, et al. *J Pediatr* 93(4):630-2, Oct 78
- Changes in serum testosterone concentrations in the male pig during development. Colenbrander B, et al.
- J Reprod Fertil* 53(2):377-80, Jul 78
- Prostatic function in the brush-tailed possum, *Trichosurus vulpecula*. Cook B, et al. *J Reprod Fertil* 53(2):369-75, Jul 78
- Peripheral metabolism of testosterone during puberty in the male guinea-pig. Robert A, et al. *J Reprod Fertil* 53(2):273-6, Jul 78
- Synthesis of new steroid haptens for radioimmunoassay--part V. 19-O-carboxymethyl ether derivative of testosterone. A highly specific antiserum for immunoassay of testosterone from both male and female plasma without chromatography. Rao PN, et al. *J Steroid Biochem* 9(6):539-45, Jun 78
- Lower dominance ranking associated with delay in development of aversion to ethanol in mice. Kahn AJ. *J Stud Alcohol* 39(7):1224-30, Jul 78
- Leydig cell function in oligospermic men with varicocele. Weiss DB, et al. *J Urol* 120(4):427-30, Oct 78
- Prolactin-screening tumors and hypogonadism in 22 men. Carter JN, et al. *N Engl J Med* 299(16):847-52, 19 Oct 78
- Artificial menstrual cycles, behaviour and the role of androgens in female rhesus monkeys. Michael RP, et al. *Nature* 275(5679):439-40, 5 Oct 78
- Hormonal response to stress in the squirrel monkey (*Saimiri sciureus*). Coe CL, et al. *Neuroendocrinology* 26(6):367-77, 1978
- Role of serotonin in feedback control of hypothalamic-pituitary-testicular complex in male rats. Naumenko EV, et al. *Neuroendocrinology* 26(6):359-66, 1978
- Changes in androstenedione, testosterone and protein metabolism as a result of exercise. Dohm GL, et al. *Proc Soc Exp Biol Med* 158(4):622-5, Sep 78
- The influence of chronic long term alcohol abuse on

- testosterone secretion in men and rats. Lox CD, et al. *Proc West Pharmacol Soc* 21:299-302, 1978
- Sperm output and serum testosterone in rabbits given prostaglandin F<sub>2</sub>alpha or E<sub>2</sub>. Reichard LA, et al. *Prostaglandins* 16(1):135-42, Jul 78
- Annual cycles of aggression and plasma testosterone in captive male rhesus monkeys. Michael RP, et al. *Psychoneuroendocrinology* 3(2):217-20, Apr 78
- The manifestations, aetiology and assessment of ethanol-induced hangover. Anylian GH, et al. *S Afr Med J* 54(5):193-8, 29 Jul 78 (44 ref.)
- On gestagen treatment of advanced prostatic carcinoma. Sander S, et al. *Scand J Urol Nephrol* 12(2):119-21, 1978
- Serum hormone levels in benign prostatic hyperplasia. Sköldefors H, et al. *Scand J Urol Nephrol* 12(2):111-4, 1978
- The effect of the administration of spironolactone on the concentration of plasma testosterone, estradiol and cortisol in male dogs (1). Menard RH, et al. *Steroids* 31(6):771-82, Jun 78
- Evidence for induction of germinal aplasia in male rats by environmental exposure to boron. Lee IP, et al. *Toxicol Appl Pharmacol* 45(2):577-90, Aug 78
- Steroid receptors in human prostatic cancer: a preliminary evaluation. de Voogt HJ, et al. *Urol Res* 6(3):151-8, 1 Sep 78
- Testosterone metabolism in patients with advanced carcinoma of the prostate: a comparative in vivo study of the effects of oestrogen and antiprolactin. Jacobi GH, et al. *Urol Res* 6(3):159-65, 1 Sep 78
- A study of the capacity for regeneration of rat and human Leydig cells. Senge T, et al. *Urol Res* 6(3):167-71, 1 Sep 78
- Prostatic carcinoma: plasma kinetics and intraprostatic metabolism of testosterone in low-dose estrogen-treated patients in vivo. Jacobi GH, et al. *Urology* 12(3):359-64, Sep 78
- [Effect of bilateral orchidectomy on serum testosterone levels in boars] Navrátil S, et al. *Vet Med (Praha)* 23(8):465-71, Aug 78 (Eng. Abstr.) (Cze)
- [Serum testosterone levels and response to administration of chorionic gonadotropins in bovine hermaphrodites] Navrátil S, et al. *Vet Med (Praha)* 23(8):473-8, Aug 78 (Eng. Abstr.) (Cze)
- [Biochemical basis for the study of steroid hormones (proceedings)] Degrelle H. *Ann Biol Clin (Paris)* 36(3):168-71, 1978 (Fre)
- [Effects of testosterone propionate on LH and testosterone concentrations before and after the injection of gonadoliberein in young bulls pre-treated with dexamethasone] Thibier M, et al. *C R Acad Sci [D] (Paris)* 286(24):1803-6, 19 Jun 78 (Eng. Abstr.) (Fre)
- [Hirsutism (author's transl)] Kuttann F, et al. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):693-701, Apr 78 (Eng. Abstr.) (Fre)
- [Simultaneous determination of plasma androgens in rats by mass fragmentography and isotope dilution] Jeannin JF, et al. *J Steroid Biochem* 9(7):615-22, Jul 78 (Eng. Abstr.) (Fre)
- [Testosterone, FSH and LH level in the serum of patients with prostatic neoplasms, treated with female hormones] Weidner W, et al. *Helv Chir Acta* 45(3):287-90, Jul 78 (Eng. Abstr.) (Ger)
- [Effects of ether-nitrous oxide anesthesia and surgery on plasma concentrations of testosterone and luteinizing hormone in man (author's transl)] Maeda A, et al. *Masui* 27(7):727-33, Jul 78 (Eng. Abstr.) (Jpn)
- [Studies of endocrinological function of testis. Report 1. The HCG stimulation test in normal males, idiopathic sterilities and Klinefelter's syndromes (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):679-85, Jun 78 (Eng. Abstr.) (Jpn)
- [Studies of endocrinological function of testis. Report 3. Hypogonadism of adult (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):693-9, Jun 78 (Eng. Abstr.) (Jpn)
- [Idiopathic varicocele. Report 1. Testicular function (author's transl)] Okuyama A, et al. *Nippon Hinyokika Gakkai Zasshi* 69(6):787-93, Jun 78 (Eng. Abstr.) (Jpn)
- [Studies of endocrinological function of testis. Report 4. Cryptorchidism after surgical therapy (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):700-11, Jun 78 (Eng. Abstr.) (Jpn)
- [Studies of endocrinological function of testis. Report 2. Delayed puberty (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):686-92, Jun 78 (Eng. Abstr.) (Jpn)
- [Change in the estradiol, progesterone and testosterone levels in the blood plasma in Stein-Leventhal syndrome] Dokumov S, et al. *Akush Ginekol (Mosk)* (8):33-5, Aug 78 (Rus)
- [Method of determining testosterone in the blood on a Tsvet-104 gas chromatograph with a constant recombination rate detector] Bogdarin IuA. *Probl Endokrinol (Mosk)* 24(5):48-52, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Changes in the quality of hormones in blood plasma and ischemic heart disease risk factors in 40-59-year-old men] Gerasimova EN, et al. *Vopr Med Khim* 24(5):657-66, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Effect of body weight reduction on plasma gonadotropins and testosterone levels in obese females] Kocijančić A, et al. *Jugosl Ginekol Opstet* 17(4):211-5, Jul-Aug 77 (Eng. Abstr.) (Ser)

## IMMUNOLOGY

- Subcellular localization of gonadotropins and testosterone in the developing fetal rat testis. Childs GV, et al. *J Histochem Cytochem* 26(7):545-64, Jul 78
- Synthesis of new steroid haptens for radioimmunoassay—part V. 19-O-carboxymethyl ether derivative of testosterone. A highly specific antiserum for immunoassay of testosterone from both male and female plasma without chromatography. Rao PN, et al. *J Steroid Biochem* 9(6):539-45, Jun 78

## ISOLATION &amp; PURIFICATION

- [Separation of testosterone and epitestosterone on a thin layer of aluminum oxide] Naugol'nykh EZ. *Lab Delo* (9):539-42, 1978 (Rus)

## METABOLISM

- Oestrogen induced Leydig cell refractoriness to gonadotrophin stimulation. Saez JM, et al. *Acta Endocrinol (Copenh)* 89(2):379-92, Oct 78
- Bipotentiality of response to sex hormones by the prostate of castrated or hypophysectomized dogs. Direct effects of estrogen. Leav I, et al. *Am J Pathol* 93(1):69-92, Oct 78
- Binding of aldosterone to cytoplasmic and nuclear receptors of the urinary bladder epithelium of *Bufo marinus*. Kusch M, et al. *Am J Physiol* 235(3):C82-9, Sep 78
- Mechanisms of replenishment of nuclear androgen receptor in rat ventral prostate. Van Doorn E, et al. *Biochem J* 174(1):9-16, 15 Jul 78
- The effect of cannabinoids (delta9-THC and delta8-THC) on hepatic microsomal metabolism of testosterone in vitro. Chan MY, et al. *Biochem Pharmacol* 27(13):1725-8, 1978
- Diffusion of [3H] testosterone from hypothalamic microimplants in castrated male gerbils: correlation with acute changes in plasma LH. Turner JW Jr. *Biol Reprod* 19(1):194-201, Aug 78
- Autoradiographic distribution studies with 3H-testosterone and 3H-oestradiol-17beta. Buga G, et al. *Cell Mol Biol* 23(1):55-63, 1978
- In vitro effects of oestrogen on testosterone metabolism by human breast cancers. Miller WR, et al. *Eur J Cancer* 14(8):865-7, Aug 78
- Androgen biosynthesis in vitro by testes from amphibia. Kime DE, et al. *Gen Comp Endocrinol* 35(3):280-8, Jul 78
- Biological activity of hybrid combinations of ovine and sea turtle LH subunits. Licht P, et al. *Gen Comp Endocrinol* 35(3):289-94, Jul 78
- Aromatization and androgen stimulation of sexual behavior in male and female rats. Yahr P, et al. *Horm Behav* 10(2):128-42, Apr 78
- Neuroendocrine aspects of reproduction in experimental malnutrition. pp. 306-12. Srebnik HH, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (27 ref.)
- Discrimination between endogenous and exogenous testosterone in human plasma after oral treatment with testosterone undecanoate using stable-isotope-labelled compounds and mass spectrometric analyses. pp. 157-65. de Ridder JJ, et al. In: Baillie TA, ed. *Stable isotopes*. Baltimore, Univ Park Press, 1978. QV 20.5 I61s 1978.
- Androgen metabolism by and binding to rabbit epididymal tissue: studies on nuclei. Danzo BJ, et al. *J Steroid Biochem* 9(6):477-83, Jun 78
- Synthesis of new steroid haptens for radioimmunoassay—part V. 19-O-carboxymethyl ether derivative of testosterone. A highly specific antiserum for immunoassay of testosterone from both male and female plasma without chromatography. Rao PN, et al. *J Steroid Biochem* 9(6):539-45, Jun 78
- The effect of sex and strain of rats on the in vitro response of adrenocortical tissue of ACTH stimulation. Vinson GP,



- et al. *J Steroid Biochem* 9(6):553-60, Jun 78
- Steroid 17-hydroxylation and androgen production by incubated rat adrenal tissue. Vinson GP, et al. *J Steroid Biochem* 9(7):677-83, Jul 78
- Effect of a steroidal alkylating agent (estramustine phosphate) in rat ventral prostate. Hoisaeter PA.
- Scand J Urol Nephrol [Suppl] (46):1-72, 1977
- In vitro metabolism of androgens by mammalian cauda epididymal spermatozoa. Rajalakshmi M, et al. *Steroids* 31(6):747-60, Jun 78
- Prostatic carcinoma: plasma kinetics and intraprostatic metabolism of testosterone in low-dose estrogen-treated patients in vivo. Jacobi GH, et al. *Urology* 12(3):359-64, Sep 78
- [Testosterone, its biosynthesis, transport and metabolism] Panaiotov D. *Vutr Boles* 17(4):15-21, 1978 (38 ref.) (Bul)
- PHARMACODYNAMICS**
- Lysosomal enzyme secretion in rat ventral prostate. Secretagogue action of testosterone and dibutyl cyclic AMP. Koenig H, et al. *Acta Biol Med Ger* 36(11-12):1653-9, 1977
- Sex differences in catecholamine content in discrete brain nuclei of the rat: effects of neonatal castration or testosterone treatment. Crowley WR, et al. *Acta Endocrinol (Copenh)* 89(1):20-8, Sep 78
- Action of testosterone propionate on the gonadotrophic function of the pituitary gland in the cyclic female rat. Hassani M, et al. *Acta Endocrinol (Copenh)* 89(3):551-6, Nov 78
- The hormonal regulation of hepatic microsomal 11beta-hydroxysteroid dehydrogenase activity in the rat. Lax ER, et al. *Acta Endocrinol (Copenh)* 89(2):352-8, Oct 78
- Studies of sexual differentiation of sheep. II. Evidence for post-natal hypothalamic hypophysiotrophic depression of basal LH secretion following pre-natal androgenisation. Wilson PR, et al. *Acta Endocrinol (Copenh)* 89(1):190-5, Sep 78
- Studies on sexual differentiation of sheep. I. Foetal and maternal modifications and post-natal plasma LH and testosterone content following androgenisation early in gestation. Wilson PR, et al. *Acta Endocrinol (Copenh)* 89(1):182-9, Sep 78
- Influence of estrogen on renal vitamin D hydroxylases and serum alpha<sub>25</sub>-(OH)<sub>2</sub>D<sub>3</sub> in chicks. Pike JW, et al. *Am J Physiol* 235(3):E338-43, Sep 78
- Sex difference in LH response to LHRH and DBcAMP and effect of testosterone. Tang LK. *Am J Physiol* 235(3):E291-4, Sep 78
- Differential toxicity of chloroform in the mouse. Hill RN. *Ann NY Acad Sci* 298:170-5, 29 Sep 78
- Effects of testosterone on messenger ribonucleic acid and protein synthesis in rat seminal vesicle. Higgins SJ, et al. *Biochem J* 174(2):543-51, 15 Aug 78
- Testosterone-attenuated stereotype and hyperactivity induced by beta-phenylethylamine in pargyline-pretreated rats. Freemark M, et al. *Biol Psychiatry* 13(4):455-63, Aug 78
- Luteinizing hormone regulation in the monkey (*Macaca nemestrina*): failure of testosterone and dihydrotestosterone to block the estrogen-induced gonadotropin surge. Steiner RA, et al. *Biol Reprod* 19(1):51-6, Aug 78
- Diffusion of [3H] testosterone from hypothalamic microimplants in castrated male gerbils: correlation with acute changes in plasma LH. Turner JW Jr. *Biol Reprod* 19(1):194-201, Aug 78
- Mesenchyme-mediated effect of testosterone on embryonic mammary epithelium. Dürnberger H, et al. *Cancer Res* 38(11 Pt 2):4066-70, Nov 78
- Combined effects of testosterone and estradiol on rat ventral prostate in organ culture. Feyel-Cabanes T, et al. *Cancer Res* 38(11 Pt 2):4126-34, Nov 78
- Multiple sensitivities of mammary tumor cells in culture. Yates J, et al. *Cancer Res* 38(11 Pt 2):4135-7, Nov 78
- Fine structure of Sertoli cells in the rat testis after hypophysectomy, testosterone treatment and re-involution. Aumüller G, et al. *Cytobiologie* 17(2):453-63, Aug 78
- The intermediate-sized filaments in rat kangaroo PtK2 cells. I. Morphology in situ. Franke WW, et al. *Cytobiologie* 17(2):365-91, Aug 78
- The effect of neonatal oil administration on brain weight of inbred and heterogeneous mice. Blizard DA. *Dev Psychobiol* 11(5):487-93, Sep 78
- Age difference in the response to synthetic luteinizing hormone-releasing hormone (LHRH) in androgenized rats with special reference to the dose of testosterone propionate for androgenization. Fujii T, et al. *Endocrinol Jpn* 25(3):281-7, Jun 78
- Sex differences in adrenocortical structure and function. IV. Effects of postpubertal gonadectomy and sex hormones on adrenal steroid 5alpha-reductase activity in the rat. Malendowicz LK, et al. *Endokrinologie* 72(1):36-42, Apr 78
- Pharmacological induction of ovulation in old and neonatally androgenized rats. Lehman JR, et al. *Exp Gerontol* 13(3-4):107-14, 1978
- Inhibition of absorption capacity of HLA antigens on in vitro hormone-treated lymphocytes. Májský A, et al. *Folia Haematol (Leipz)* 105(3):302-5, 1978
- The estrogenic arousal of aggressive behavior in female mice. Simon NG, et al. *Horm Behav* 10(2):118-27, Apr 78
- Masculinization and defeminization induced in female hamsters by neonatal treatment with estradiol benzoate and RU-2858. Whalen RE, et al. *Horm Behav* 10(2):170-7, Apr 78
- Aromatization and androgen stimulation of sexual behavior in male and female rats. Yahr P, et al. *Horm Behav* 10(2):128-42, Apr 78
- Effects of steroidal hormones on sexual, attack, and search behavior in the isolated male chick. Young CE, et al. *Horm Behav* 10(2):107-17, Apr 78
- Effect of testosterone propionate on the changes of hyaluronidase & acid phosphatase activities in rat. Kushwah A, et al. *Indian J Exp Biol* 16(6):675-6, Jun 78
- Induction of sexual activity in corriedale rams with a testosterone preparation. Mittal JP, et al. *Indian J Exp Biol* 16(7):802-3, Jul 78
- Taste aversion as a method for assessing the effects of gonadal hormones on behaviour. Earley CJ. *Ir J Med Sci* 147 Suppl 1:24-7, Aug 78
- Episodic patterns of prolactin and thyrotropin secretion in rams and wethers: influence of testosterone and diethylstilbestrol. Davis SL, et al. *J Anim Sci* 46(6):1724-9, Jun 78
- The large scale isolation of mouse beta-glucuronidase and comparison of allozymes. Lulis AJ, et al. *J Biol Chem* 253(20):7336-45, 25 Oct 78
- Source and hormone-dependence of Gix-gp70 in mouse serum. Obata Y, et al. *J Exp Med* 148(3):793-8, 1 Sep 78
- Testosterone and 5alpha-dihydrotestosterone inhibit both growth and spermatogenesis in the remaining testis in partially castrated adult newts, *Notophthalmus viridescens*. Scadding SR. *J Exp Zool* 205(3):403-12, Sep 78
- Testosterone control of serum levels of C4-binding protein in mice. Ferreira A, et al. *J Immunol* 121(3):1213-5, Sep 78
- Progesterone metabolism in vitro by ovaries from androgen-sterilized rats of different ages. Tomoyama J, et al. *J Steroid Biochem* 9(7):695-6, Jul 78
- Lysosomal enzymuria in the testosterone-treated mouse. A manifestation of cell defecation of residual bodies. Koenig H, et al. *Lab Invest* 39(4):329-41, Oct 78
- Artificial menstrual cycles, behaviour and the role of androgens in female rhesus monkeys. Michael RP, et al. *Nature* 275(5679):439-40, 5 Oct 78
- Effects of age at castration on testosterone induced aggression-promoting cues in groups of male mice. Evans CM, et al. *Physiol Behav* 21(1):19-23, Jul 78
- Influence of gonadal hormones and genital afferents on EEG activity of the hypothalamus in adult male rhesus monkeys. Mangat HK, et al. *Physiol Behav* 20(4):377-84, Apr 78
- Influence of corticosterone on the development and display of androgen-dependent aggressive behavior in mice. Simon NG, et al. *Physiol Behav* 20(4):391-6, Apr 78
- Effects of sex hormones on cardiovascular and hematologic responses to chronic hypoxia in rats. Moore LG, et al. *Proc Soc Exp Biol Med* 158(4):658-62, Sep 78
- Aldehyde dehydrogenase activity in the male rat reproductive tissues. Messiha FS, et al. *Proc West Pharmacol Soc* 21:353-6, 1978
- Effects of testosterone on splenic and bone marrow erythropoiesis of fasted mice. Miranda C, et al. *Rev Esp Fisiol* 34(2):173-5, Jun 78
- The effect of progesterone analogues, naturally occurring steroids, and contraceptive progestins on hypothalamic and anterior pituitary delta4-steroid (progesterone) 5alpha-reductase. Krause JE, et al. *Steroids* 31(6):823-39, Jun 78
- Effect of alteration of rat hepatic mixed-function oxidase (MFO) activity on the toxicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD). Beatty PW, et al. *Toxicol Appl Pharmacol* 45(2):513-9, Aug 78
- Sex differences in the kinetic constants of ethylmorphine demethylation and type I binding to hepatic microsomal cytochrome P-450 in mice. The influence of castration and testosterone. Noordhoek J, et al. *Xenobiotica* 8(8):515-22, Aug 78
- [Comparison of estradiol benzoate and dihydrotestosterone propionate with testosterone propionate on the induction

- of male-like sexual behavior in female sheep ovariectomized as adults] Fabre C, et al. *C R Acad Sci [D] (Paris)* 286(21):1527-30, 29 May 78 (Eng. Abstr.) (Fre)
- [Effects of testosterone propionate on LH and testosterone concentrations before and after the injection of gonadoliberein in young bulls pre-treated with dexamethasone] Thibier M, et al. *C R Acad Sci [D] (Paris)* 286(24):1803-6, 19 Jun 78 (Eng. Abstr.) (Fre)
- [Modifications in the liver and elaboration of vitelline proteins during vitellogenesis following hormone treatments in *Spondyliosoma cantharus* L.] Etesami S, et al. *C R Soc Biol (Paris)* 172(1):43-6, 1978 (Eng. Abstr.) (Fre)
- [Changes in post-heparin lipoprotein lipase activity after testosterone treatment] Pedini G, et al. *G Clin Med* 59(5-6):199-209, May-Jun 78 (Ita)
- [Effect of castration and testosterone propionate on 3H-noradrenaline metabolism in different brain structures in male rats] Bekhtereva EP. *Probl Endokrinol (Mosk)* 24(5):56-9, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Sex differences in brain functioning and effects related to them] Vunder PA. *Usp Sovrem Biol* 86(1):129-42, Jul-Aug 78 (104 ref.) (Rus)

## PHYSIOLOGY

- Hyaluronic acid synthesis in rooster comb. Effect of testosterone on nucleotide sugar metabolism. Jacobson B. *Connect Tissue Res* 5(4):217-23, 1978
- Breeding cycles in three species of African ungulates. pp. 64-72. Skinner JD.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Pseudo-castration effects of social isolation on extinction of a taste aversion. Chambers KC, et al. *Physiol Behav* 21(1):29-32, Jul 78
- Role of androgen in sexual reflexes of the male rat. Davidson JM, et al. *Physiol Behav* 21(2):141-6, Aug 78
- [Testosterone and male sexuality (author's transl)] Raboch J. *Cesk Psychiatr* 74(2):73-6, Apr 78 (Eng. Abstr.) (Cze)

## SECRETION

- The influence of scrotal warming on testicular blood flow and endocrine function in the rat. Damber JE, et al. *Acta Physiol Scand* 104(1):61-7, Sep 78
- hCG stimulation test in prepubertal boys with cryptorchidism. Anoussakis C, et al. *J Pediatr* 93(4):630-2, Oct 78
- The influence of chronic long term alcohol abuse on testosterone secretion in men and rats. Lox CD, et al. *Proc West Pharmacol Soc* 21:299-302, 1978
- [Testosterone, its biosynthesis, transport and metabolism] Panajotov D. *Vutr Boles* 17(4):15-21, 1978 (38 ref.) (Bul)
- [Gonadal hormone production before puberty] Huhtaniemi I. *Duodecim* 94(10):625-32, 1978 (Fin)

## THERAPEUTIC USE

- Historical development of 32P in bone therapy. pp. 237-49. Kaplan E.
- In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.
- New 32P compounds in therapy for bone lesions. pp. 257-60. O'Mara RE.
- In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.
- Treatment of testicular hypofunction with gonadotrophic hormones. Lábady F. *Int Urol Nephrol* 10(2):125-30, 1978
- Prolactin-screening tumors and hypogonadism in 22 men. Carter JN, et al. *N Engl J Med* 299(16):847-52, 19 Oct 78
- Impotence after heart transplantation [letter] Wolpowitz A, et al. *S Afr Med J* 53(18):693, 6 May 78

## URINE

- Patterns of oestrogen and testosterone excretion during pregnancy in a gorilla (*Gorilla gorilla*). Seaton B. *J Reprod Fertil* 53(2):231-6, Jul 78

## DIHYDROXYPROGESTERONE

- (Norethisterone enantate as a tricyclic contraceptive. Comparative study). Najjar Origel S. *Prensa Med Mex* 43(1-2):64-9, Jan-Feb 78 (Spa)



# GONADS

## IV. Related Topics

### CASTRATION

- Sex differences in catecholamine content in discrete brain nuclei of the rat: effects of neonatal castration or testosterone treatment. Crowley WR, et al. *Acta Endocrinol (Copenh)* 89(1):20-8, Sep 78
- Effect of premenopausal castration and incremental dosages of conjugated equine estrogens on plasma follicle-stimulating hormone, luteinizing hormone, and estradiol. Utian WH, et al. *Am J Obstet Gynecol* 132(3):297-302, 1 Oct 78
- A single stage operative technique for castration, vaginal construction and perineoplasty in transsexuals. Wesser DR. *Arch Sex Behav* 7(4):309-23, Jul 78
- Specific activity of LHRH and TRH degrading enzymes in various tissues of normal and castrated male rats. Loudes C, et al. *Biochem Biophys Res Commun* 83(3):921-6, 14 Aug 78
- Effects of estradiol on serum and pituitary gonadotropin concentrations during selective elevation of follicle stimulating hormone. Chappel SC, et al. *Biol Reprod* 19(1):159-66, Aug 78
- Cyclic gonadotropin release in the presence and absence of estrogenic feedback in ovariectomized golden hamsters. Stetson MH, et al. *Biol Reprod* 19(1):40-50, Aug 78
- Effects of estrogen and progesterone on plasma gonadotropins and on catecholamine levels and turnover in discrete brain regions of ovariectomized rats. Crowley WR, et al. *Brain Res* 154(2):345-57, 13 Oct 78
- The effects of puberty and castration on hippocampal dendritic spines of mice. A Golgi study. Meyer G, et al. *Brain Res* 155(1):108-12, 20 Oct 78
- The effect of neonatal castration on the developmental changes of the nuclear sizes of the neurons in the hypothalamic nuclei of female rats. Morishita H, et al. *Brain Res* 156(1):146-50, 3 Nov 78
- Effects of ovariectomy and differential experience on rat cerebral cortical morphology. Pappas CT, et al. *Brain Res* 154(1):53-60, 6 Oct 78
- The ultrastructure of the male and female prostate of *Praomys (Mastomys) natalensis*. I. Normal, castrated and ovariectomized animals. Smith AF, et al. *Cell Tissue Res* 190(3):539-52, 10 Jul 78
- Accumulation and binding of 3H-estradiol-17beta by lymphoid tissues of castrated mice. Seiki K, et al. *Endocrinol Jpn* 25(3):289-94, Jun 78
- Heterosexual interactions in laboratory-housed stump-tail macaques (*Macaca arctoides*): observations during the menstrual cycle and after ovariectomy. Slob AK, et al. *Horm Behav* 10(2):193-211, Apr 78
- Response of exercise on blood leucocytes and cholesterol in castrated and uncastrated male buffaloes. Agarwal SP, et al. *Indian J Physiol Pharmacol* 22(2):160-1, Apr-Jun 78
- Prophylactic versus therapeutic castration in the total treatment of breast cancer. Lewison EF. *Int J Radiat Oncol Biol Phys* 4(5-6):477-80, May-Jun 78
- Elevated rate of 3H-uridine incorporation in regressing rat ventral prostate. Stanisic T, et al. *Invest Urol* 16(1):15-8, Jul 78
- Partial inhibition of castration induced ventral prostate regression with actinomycin D and cycloheximide. Stanisic T, et al. *Invest Urol* 16(1):19-22, Jul 78
- Glucocorticoid induction of hepatic alpha2u-globulin synthesis and messenger RNA level in castrated male rats in vivo. Kurtz DT, et al. *J Biol Chem* 253(21):7886-90, 10 Nov 78
- Testosterone and 5alpha-dihydrotestosterone inhibit both growth and spermatogenesis in the remaining testis in partially castrated adult newts, *Notophthalmus viridescens*. Scadding SR. *J Exp Zool* 205(3):403-12, Sep 78
- Progesterone-induced decrease of pineal protein synthesis in rats. Possible participation in estrous-related changes of pineal function. Cardinali DP, et al. *J Neural Transm* 42(3):193-205, 1978
- Oophorectomy without hysterectomy [letter] Pruett KA. *JAMA* 240(16):1715-6, 13 Oct 78
- Electrophysiological comparison between the longitudinal and circular muscles of the rat uterus during the estrous cycle and pregnancy. Osa T, et al. *Jpn J Physiol* 28(2):197-209, 1978
- Effect of castration on photoperiodically induced weight gain in the Djungarian hamster. Hoffmann K. *Naturwissenschaften* 65(9):494, Sep 78
- Effects of age at castration on testosterone induced aggression-promoting cues in groups of male mice. Evans CM, et al. *Physiol Behav* 21(1):19-23, Jul 78
- Influence of gonadal hormones and genital afferents on EEG activity of the hypothalamus in adult male rhesus monkeys. Mangat HK, et al. *Physiol Behav* 20(4):377-84, Apr 78
- Influence of corticosterone on the development and display of androgen-dependent aggressive behavior in mice. Simon NG, et al. *Physiol Behav* 20(4):391-6, Apr 78
- Sex differences in the kinetic constants of ethylmorphine demethylation and type I binding to hepatic microsomal cytochrome P-450 in mice. The influence of castration and testosterone. Noordhoek J, et al. *Xenobiotica* 8(8):515-22, Aug 78
- [Effect of bilateral orchidectomy on serum testosterone levels in boars] Navrátil S, et al. *Vet Med (Praha)* 23(8):465-71, Aug 78 (Eng. Abstr.) (Cze)
- [Effect of estrus cycle, ovariectomy and lactation on variations of basal corticosterone levels or aggression stress levels in rats] Audrain M, et al. *C R Soc Biol (Paris)* 172(1):33-7, 1978 (Eng. Abstr.) (Fre)
- [Effect of castration and testosterone propionate on 3H-noradrenaline metabolism in different brain structures in male rats] Bekhtereva EP. *Probl Endokrinol (Mosk)* 24(5):56-9, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Castration of bulls in fattening pens] Ostrovskii NS, et al. *Veterinariia* (9):80-3, Sep 78 (Rus)

### ADVERSE EFFECTS

- [Effectiveness of electroanalgesia in treating neuroendocrine syndromes in gynecology] Kornienko EA, et al. *Akush Ginekol (Mosk)* (8):35-9, Aug 78 (Rus)
- [Castration of bulls in fattening pens] Ostrovskii NS, et al. *Veterinariia* (9):80-3, Sep 78 (Rus)

### METHODS

- Nonabdominal approach to castration of the cryptorchid cat. Noffsinger GR, et al. *J Am Vet Med Assoc* 173(3):303-4, 1 Aug 78
- A sterile surgical procedure for feline castration (a photographic essay). Mandelker L. *VM SAC* 73(7):904-5, Jul 78
- [Effect of bilateral orchidectomy on serum testosterone levels in boars] Navrátil S, et al. *Vet Med (Praha)* 23(8):465-71, Aug 78 (Eng. Abstr.) (Cze)
- [Castration of bulls in fattening pens] Ostrovskii NS, et al. *Veterinariia* (9):80-3, Sep 78 (Rus)

### VETERINARY

- Nonabdominal approach to castration of the cryptorchid cat. Noffsinger GR, et al. *J Am Vet Med Assoc* 173(3):303-4, 1 Aug 78
- A sterile surgical procedure for feline castration (a photographic essay). Mandelker L. *VM SAC* 73(7):904-5, Jul 78

### ESTRUS

- The effect of the milking process on oxytocic activity in the blood plasma of cows during oestrous. Barowicz T, et al. *Acta Physiol Pol* 29(3):297-9, May-Jun 78
- Cyclic gonadotropin release in the presence and absence of estrogenic feedback in ovariectomized golden hamsters. Stetson MH, et al. *Biol Reprod* 19(1):40-50, Aug 78
- Cholesteryl ester depletion from the ovaries of superovulated female rats fed a normal or essential fatty acid deficient diet. Young AK, et al. *Can J Physiol Pharmacol* 56(4):585-90, Aug 78
- Ovarian plasminogen activator: relationship to ovulation and hormonal regulation. Beers WH, et al. *Cell* 6(3):387-94, Nov 75
- Immunofluorescence study of the hypothalamo-infundibular LRH tract and serum gonadotropin levels in the female squirrel monkey during the estrous cycle. Barry J, et al.

- Cell Tissue Res 192(2):215-26, 5 Sep 78
- The adrenal cortex and the luteotrophic action of estrogens during the estrous cycle in the rat. Hassani M, et al. *Endokrinologie* 72(1):43-50, Apr 78
- Rapid re-entrainment of the estrous cycle of hamsters to reversal of scotophase and photophase. pp. 196-9. Campbell CS, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Central neural control of endocrine rhythms in the rat. pp. 153-62. Kalra SP, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Changes in rat plasma hydroxyproline during estrus & estrogen treatment. Amma MK, et al. *Indian J Exp Biol* 16(7):806-8, Jul 78
- LH levels of anoestrous Gir cows & their reproductive performance. Kodagali SB, et al. *Indian J Exp Biol* 16(7):800-1, Jul 78
- The interaction between female sex hormones and D-amphetamine on central biogenic amines during the rat oestrous cycle. Fludder JM, et al. *Ir J Med Sci* 147 Suppl 1:28-32, Aug 78
- Reproduction and breeding of goats. Shelton M. *J Dairy Sci* 61(7):994-1010, Jul 78 (106 ref.)
- Quantitative differences in immune responses during the various stages of the estrous cycle in female BALB/c mice. Krzych U, et al. *J Immunol* 121(4):1603-5, Oct 78
- Progesterone-induced decrease of pineal protein synthesis in rats. Possible participation in estrous-related changes of pineal function. Cardinali DP, et al. *J Neural Transm* 42(3):193-205, 1978
- Electrophysiological comparison between the longitudinal and circular muscles of the rat uterus during the estrous cycle and pregnancy. Osa T, et al. *Jpn J Physiol* 28(2):197-209, 1978
- [D-pGlu1,D-Phe2,D-Trp3,6]-LRF. A potent luteinizing hormone releasing factor antagonist in vitro and inhibitor of ovulation in the rat. Rivier JE, et al. *Life Sci* 23(8):869-76, 28 Aug 78
- Learning in escape/avoidance tasks in female rats does not vary with reproductive condition. Kristal MB, et al. *Physiol Behav* 21(2):251-6, Aug 78
- Heat and conception rate after synchronisation of oestrus with cloprostenol. Fulka J, et al. *Vet Rec* 103(3):52-3, 15 Jul 78
- [Effect of estrus cycle, ovariectomy and lactation on variations of basal corticosterone levels or aggression stress levels in rats] Audrain M, et al. *C R Soc Biol (Paris)* 172(1):33-7, 1978 (Eng. Abstr.) (Fre)
- [Role played by the adrenal cortex on the luteotrophic action of estrogens during the rat estrus cycle] Hassani M. *C R Soc Biol (Paris)* 172(1):167-71, 1978 (Eng. Abstr.) (Fre)

## DRUG EFFECTS

- Effects of estradiol on serum and pituitary gonadotropin concentrations during selective elevation of follicle stimulating hormone. Chappel SC, et al. *Biol Reprod* 19(1):159-66, Aug 78
- Cyclic gonadotropin release in the presence and absence of estrogenic feedback in ovariectomized golden hamsters. Stetson MH, et al. *Biol Reprod* 19(1):40-50, Aug 78
- The adrenal cortex and the luteotrophic action of estrogens during the estrous cycle in the rat. Hassani M, et al. *Endokrinologie* 72(1):43-50, Apr 78
- Bovine ovarian and pituitary responses to PMS and GnRH administered during metestrus. Ford SP, et al. *J Anim Sci* 46(6):1701-6, Jun 78
- Effects of RMI 12,936, a synthetic antiprogesterone steroid, on the oestrous cycle and ovulation in the rat. Kendle KE, et al. *J Reprod Fertil* 53(2):363-8, Jul 78
- Oestrous and ovarian responses to exogenous progesterone and oestrogen in prepubertal ewe lambs in relation to the fecundity of their dams. Whyman D. *J Reprod Fertil* 53(2):323-30, Jul 78
- Oestrus control in bitches with proligestone, a new progestational steroid. Vanos JL, et al. *J Small Anim Pract* 19(9):521-9, Sep 78
- Time to onset of oestrus after the injection of heifers with cloprostenol. Johnson CT. *Vet Rec* 103(10):204-6, 2 Sep 78
- [Role played by the adrenal cortex on the luteotrophic action of estrogens during the rat estrus cycle] Hassani M. *C R Soc Biol (Paris)* 172(1):167-71, 1978 (Eng. Abstr.) (Fre)

## RADIATION EFFECTS

- Conditions for establishment of reflex ovulation in light estrous

rats. Murakami N, et al. *Endocrinol Jpn* 25(3):299-303, Jun 78

## OVULATION

- Plasma progesterone assays in superovulated cattle. Solti L, et al. *Acta Vet Scand* 19(2):298-309, 1978
- Induced ovulation, development of the corpus luteum, and tubal transport in the striped skunk (*Mephitis mephitis*). Wade-Smith J, et al. *Am J Anat* 153(1):123-41, Sep 78
- Organum vasculosum laminae terminalis and reflex ovulation in the rabbit. Lescure H, et al. *Brain Res* 154(1):209-13, 6 Oct 78
- Cholesteryl ester depletion from the ovaries of superovulated female rats fed a normal or essential fatty acid deficient diet. Young AK, et al. *Can J Physiol Pharmacol* 56(4):585-90, Aug 78
- Ovarian plasminogen activator: relationship to ovulation and hormonal regulation. Beers WH, et al. *Cell* 6(3):387-94, Nov 75
- Conditions for establishment of reflex ovulation in light estrous rats. Murakami N, et al. *Endocrinol Jpn* 25(3):299-303, Jun 78
- Changes in serum 17alpha-hydroxyprogesterone levels during periovulatory phase in women. Uemura T, et al. *Endocrinol Jpn* 25(3):295-8, Jun 78
- The annual ovarian cycle of *Chrysemys picta*: correlated changes in plasma steroids and parameters of vitellogenesis. Callard IP, et al. *Gen Comp Endocrinol* 35(3):245-57, Jul 78
- Subtotal hepatectomy in intact or hypophysectomized river lampreys (*Lampetra fluviatilis* L.): effects on regeneration, blood glucose regulation, and vitellogenesis. Larsen LO. *Gen Comp Endocrinol* 35(3):197-204, Jul 78
- Reproduction and breeding of goats. Shelton M. *J Dairy Sci* 61(7):994-1010, Jul 78 (106 ref.)
- The role of corticosterone in the ovulatory cycle of the hen. Sharp PJ, et al. *J Endocrinol* 78(2):195-200, Aug 78
- Rise in female-initiated sexual activity at ovulation and its suppression by oral contraceptives. Adams DB, et al. *N Engl J Med* 299(21):1145-50, 23 Nov 78
- Psychoendocrinology of the menstrual cycle [editorial] Rose RM. *N Engl J Med* 299(21):1186-7, 23 Nov 78
- [Ovulation and the sex behavior of primates] Presl J. (Cze)
- Cesk Gynecol* 43(8):624-5, Sep 78
- [Echographic surveillance of ovulation induction] Macler J, et al. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):746-9, Apr 78 (Fre)
- [New concepts related to implantation. I. Preimplantation period] De Lourdes Collado M, et al. *Ginecol Obstet Mex* 44(261):63-84, Jul 78 (Eng. Abstr.) (Spa)
- [Prolactin and human reproduction] Nillius SJ. *Katilolehti* 83(7-8):284-91, Jul-Aug 78 (Swe)

## DRUG EFFECTS

- Midbrain raphe mediation of the narcotic blockade of ovulation. Maughan GT, et al. *Brain Res* 155(2):413-7, 27 Oct 78
- Effect of LH-RH peptide antagonist on serum LH, ovulation and menstrual cycle of crab-eating macaque. Corbin A, et al. *Contraception* 18(2):105-20, Aug 78
- Suppression of gonadotropin release and ovulation in animals by inhibitory analogs of luteinizing hormone-releasing hormone. Coy DH, et al. *Curr Top Mol Endocrinol* 3:339-54, 1976 (22 ref.)
- Conditions for establishment of reflex ovulation in light estrous rats. Murakami N, et al. *Endocrinol Jpn* 25(3):299-303, Jun 78
- Pharmacological induction of ovulation in old and neonatally androgenized rats. Lehman JR, et al. *Exp Gerontol* 13(3-4):107-14, 1978
- The role of corticosterone in the ovulatory cycle of the hen. Sharp PJ, et al. *J Endocrinol* 78(2):195-200, Aug 78
- Effects of RMI 12,936, a synthetic antiprogesterone steroid, on the oestrous cycle and ovulation in the rat. Kendle KE, et al. *J Reprod Fertil* 53(2):363-8, Jul 78
- [D-pGlu1,D-Phe2,D-Trp3,6]-LRF. A potent luteinizing hormone releasing factor antagonist in vitro and inhibitor of ovulation in the rat. Rivier JE, et al. *Life Sci* 23(8):869-76, 28 Aug 78
- Rise in female-initiated sexual activity at ovulation and its suppression by oral contraceptives. Adams DB, et al. *N Engl J Med* 299(21):1145-50, 23 Nov 78
- [Ovarian changes following GRH application in cows with normal ovarian function] Berchtold M, et al. *Schweiz Arch Tierheilkd* 120(8):377-82, Aug 78 (Eng. Abstr.)



(Ger)

- [Effects of postovulatory synthetic corticosteroid administration on ovarian function in women (author's transl)] Koyama T, et al.  
*Nippon Naibunpi Gakkai Zasshi* 54(5):648-53, 20 May 78 (Eng. Abstr.) (Jpn)
- [Induction of ovulation with tamoxifen] Ruiz-Velasco V, et al. *Ginecol Obstet Mex* 43(258):251-8, Apr 78 (Eng. Abstr.) (Spa)

## OVULATION INDUCTION

- Induction of ovulation with clomiphene and human chorionic gonadotrophin in women with hyperprolactinaemic amenorrhoea. McGarrigle HH, et al.  
*Br J Obstet Gynaecol* 85(9):692-7, Sep 78
- [Echographic surveillance of ovulation induction] Macler J, et al. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):746-9, Apr 78 (Fre)
- [Ovarian changes following GRH application in cows with normal ovarian function] Berchtold M, et al.  
*Schweiz Arch Tierheilkd* 120(8):377-82, Aug 78 (Eng. Abstr.) (Ger)
- [Induction of ovulation with tamoxifen] Ruiz-Velasco V, et al. *Ginecol Obstet Mex* 43(258):251-8, Apr 78 (Eng. Abstr.) (Spa)

## METHODS

- Pharmacological induction of ovulation in old and neonatally androgenized rats. Lehman JR, et al. *Exp Gerontol* 13(3-4):107-14, 1978

## VETERINARY

- Embryo transfer in cattle: an evaluation of the current situation. Bouters R, et al. *J S Afr Vet Assoc* 49(1):9-12, Mar 78

## PUBERTY

- The effect of LH-RH infusion on serum LH, FSH and testosterone in boys with advanced puberty, delayed puberty and hypogonadotropic hypogonadism. de Lange WE, et al. *Acta Endocrinol (Copenh)* 89(2):209-16, Oct 78
- Relationship between haemoglobin and serum testosterone in normal children and adolescents and in boys with delayed puberty. Krabbe S, et al. *Acta Paediatr Scand* 67(5):655-8, Sep 78
- Postpubertal experience establishes signal value of mammalian sex odor. Nyby J, et al. *Behav Biol* 22(4):545-52, Apr 78
- Testosterone-attenuated stereotype and hyperactivity induced by beta-phenylethylamine in pargyline-pretreated rats. Freemark M, et al. *Biol Psychiatry* 13(4):455-63, Aug 78
- Gonadotrophin, thyrotrophin and prolactin reserve in beta thalassaemia. Landau H, et al. *Clin Endocrinol (Oxf)* 9(2):163-73, Aug 78
- Functional and dysfunctional uterine bleeding. Poindexter AN, et al. *Compr Ther* 4(8):32-7, Aug 78
- Studies on the diagnostic use of LH-RH. Rochefort JG, et al. *Curr Top Mol Endocrinol* 3:65-72, 1976
- Reproduction and breeding of goats. Shelton M. *J Dairy Sci* 61(7):994-1010, Jul 78 (106 ref.)
- hCG stimulation test in prepubertal boys with cryptorchidism. Anoussakis C, et al. *J Pediatr* 93(4):630-2, Oct 78
- Anthropometric studies on Singapore children: III: Pubertal studies on Singapore children. Wong HB, et al. *J Singapore Paediatr Soc* 19(4):217-32, Dec 77
- Growth in children with chronic renal failure. Schärer K. *Kidney Int [Suppl]* (8):S68-71, Jun 78
- Delayed puberty and short stature in adolescents. Shenker IR, et al. *Pediatr Ann* 7(9):605-13, Sep 78
- Influence of corticosterone on the development and display of androgen-dependent aggressive behavior in mice. Simon NG, et al. *Physiol Behav* 20(4):391-6, Apr 78
- [Growth and development. The adolescent who is too small] Stoeltinga GB. *Ned Tijdschr Geneesk* 122(40):1490-4, 7 Oct 78 (Dut)
- [Puberty acne (letter)] Steigleder GK.  
*Dtsch Med Wochenschr* 103(41):1592, 13 Oct 78 (Ger)
- [Estrogen treatment of excessively tall girls (author's transl)] Klitlich L, et al. *Geburtshilfe Frauenheilkd* 38(10):831-9, Oct 78 (Eng. Abstr.) (Ger)
- [Diagnostic value of particular symptoms in monosomy X. Evaluated on the basis of experiences with 34 own cases (author's transl)] Némethová V, et al.

- Monatsschr Kinderheilkd* 126(10):616-21, Oct 78 (Eng. Abstr.) (Ger)
- [Various aspects of the dynamics of puberal development] Barghini G. *Minerva Pediatr* 30(20):1567-9, 30 Oct 78 (Eng. Abstr.) (Ita)
- [Studies of endocrinological function of testis. Report 5. Follow-up of delayed puberty (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):712-7, Jun 78 (Eng. Abstr.) (Jpn)
- [Studies of endocrinological function of testis. Report 2. Delayed puberty (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):686-92, Jun 78 (Eng. Abstr.) (Jpn)
- [Effect of rheumatism on hypophyseal gonadotropic function in adolescent girls] Kulikova LF. *Akush Ginekol (Mosk)* (8):30-3, Aug 78 (Eng. Abstr.) (Rus)
- [Pathogenesis and treatment of euthyroid enlargement of the thyroid gland in children of pre- and pubertal age] Lazarev AN, et al. *Pediatr* (9):43-7, Sep 78 (Eng. Abstr.) (Rus)
- [Status of carbohydrate metabolism in patients with hypothalamic syndrome in puberty] Veinberg EG, et al. *Pediatr* (9):60-2, Sep 78 (Rus)
- [Effect of synthetic LH-RH and hypothalamic extracts on RNA synthesis by rat pituitaries in vitro (author's transl)] Díaz-Chico BN, et al. *Rev Esp Fisiol* 34(2):127-30, Jun 78 (Eng. Abstr.) (Spa)

## SEX CHROMATIN

- Cytogenetics and infertility in man. I. Karyotype and seminal analysis: results of a five-year survey of men attending a subfertility clinic. Chandley AC, et al. *Ann Hum Genet* 39(2):231-54, Oct 75
- Incidence of 47,XXX karyotype in a consecutive series of newborn males in Tokyo. Iijima K, et al. *Hum Genet* 43(2):211-4, 31 Aug 78
- Anatomic and chromosomal anomalies in 944 induced abortuses. Kajii T, et al. *Hum Genet* 43(3):247-58, 19 Sep 78
- Study of sex chromosomal aneuploidy in an Indian prison population. Verma IC, et al. *Indian J Med Res* 67:493-8, Mar 78
- [Clinical significance of Barr bodies in kidney neoplasms] Liul'ko AV, et al. *Urol Nefrol (Mosk)* (5):60-3, Sep-Oct 78 (Rus)
- [Sex chromatin and glucocorticoid hormone metabolism in breast cancer patients] Smiller RR, et al. *Vopr Onkol* 24(8):91-3, 1978 (Eng. Abstr.) (Rus)
- [Sex chromatin in a population of patients of 2 psychiatric hospitals] González Noriega A.  
*Neurol Neurocir Psiquiatr* 16(4):255-61, 1975 (Eng. Abstr.) (Spa)

## ANALYSIS

- [Cytogenetics of neoplasms. (Informative review)] Vrba M. *Cesk Patol* 14(1):11-15, Mar 78 (Cze)
- [Determination of the sex origin of teeth] Dange AH, et al. *Arch Kriminol* 162(3-4):115-9, Sep-Oct 78 (Ger)
- [Specific variability in the number of cells with X-chromatin in short-term buccal epithelium cultures from women following exposure to hormones at different phases in their individual diurnal biorhythm] Zaletaeva TA, et al. *Biull Eksp Biol Med* 86(9):374-8, Sep 78 (Eng. Abstr.) (Rus)
- [Method of methylene blue staining of sex chromatin] Erenpreisa EA. *Lab Delo* (9):530-2, 1978 (Eng. Abstr.) (Rus)
- [Clinical significance of Barr bodies in kidney neoplasms] Liul'ko AV, et al. *Urol Nefrol (Mosk)* (5):60-3, Sep-Oct 78 (Rus)

## DRUG EFFECTS

- [Specific variability in the number of cells with X-chromatin in short-term buccal epithelium cultures from women following exposure to hormones at different phases in their individual diurnal biorhythm] Zaletaeva TA, et al. *Biull Eksp Biol Med* 86(9):374-8, Sep 78 (Eng. Abstr.) (Rus)

## ULTRASTRUCTURE

- Sex determination in nuclei of amnion fluid cells. Schwinger E, et al. *Clin Genet* 14(3):169-72, Sep 78

## SEX CHROMOSOMES

- Incontinentia pigmenti [letter] Watzke RC.  
*Arch Ophthalmol* 96(10):1922, Oct 78
- 46,XY pure gonadal dysgenesis with non-fluorescent Y chromosome. Gaál M, et al. *Clin Genet* 14(2):83-9, Aug 78
- Taurodontism and enamel hypomaturation associated with X-linked abnormalities. Gage JP. *Clin Genet* 14(3):159-64, Sep 78
- Mitotic recombination in the heterochromatin of the sex chromosomes of *Drosophila melanogaster*. Ripoll P, et al. *Genetics* 90(1):93-104, Sep 78
- Analysis of gynandromorph survivals in *Drosophila melanogaster* infected with the male-killing SR organisms. Tsuchiyama S, et al. *Genetics* 89(4):711-21, Aug 78
- Preferential X inactivation in human placenta membranes: is the paternal X inactive in early embryonic development of female mammals? Ropers HH, et al. *Hum Genet* 43(3):265-73, 19 Sep 78
- Systematically administered compounds for lymphatic ablation. pp. 193-204. Fawwaz RA.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.
- X-chromosome inactivation in an individual of *Nesokia indica* with heterozygous deletion C-heterochromatin. Vasantha K, et al. *Indian J Exp Biol* 16(6):726-7, Jun 78
- The pure gonadal dysgenesis syndrome. Favez JA.  
*Int J Gynaecol Obstet* 15(6):550-3, 1978
- Dysgerminoma—100% control with combined therapy in six consecutive patients with advanced disease. Marks RD, et al. *Int J Radiat Oncol Biol Phys* 4(5-6):453-6, May-Jun 78
- X chromosome complement and serum levels of IgM in man and mouse. Adinolfi M, et al. *J Immunogenet* 5(3):149-56, Jun 78
- The 48,XXYY syndrome. Sørensen K, et al.  
*J Ment Defic Res* 22(3):197-205, Sep 78
- XXX syndrome associated with immunoglobulin deficiency and epilepsy. Sills JA, et al. *J Pediatr* 93(3):469-71, Sep 78
- X-linked hypohidrotic ectodermal dysplasia—an unusual prosthetic problem. Nortjé CJ, et al. *J Prosthet Dent* 40(2):137-42, Aug 78
- Use of dithiothreitol for improved visibility of the F body in human Y-bearing spermatozoa. Hegde UC, et al.  
*J Reprod Fertil* 53(2):403-5, Jul 78
- Chiasma counts and non-disjunction frequencies in a normal ram and in rams carrying the Massey I (t1) Robertsonian translocation. Long SE. *J Reprod Fertil* 53(2):353-6, Jul 78
- Genetics: your fate in your genes. Matthews DR.  
*Nurs Mirror* 147(15):30-4, 12 Oct 78
- Incidence of 47,XYY males: implications of the production of 47,XYY offspring by 47,XYY males. Dorus E, et al.  
*Soc Biol* 25(2):87-93, Summer 78
- [Current considerations on male secretory sterility] Bollack C, et al. *Helv Chir Acta* 45(3):323-8, Jul 78 (Eng. Abstr.) (Fre)
- [Aggression and aberrations of sex chromosomes: genetic and neurophysiological aspects of aggressive behavior] Moamai N. *Union Med Can* 107(10):981-3, Oct 78 (Eng. Abstr.) (Fre)
- [Diagnostic value of particular symptoms in monosomy X. Evaluated on the basis of experiences with 34 own cases (author's transl)] Némethová V, et al.  
*Monatsschr Kinderheilkd* 126(10):616-21, Oct 78 (Eng. Abstr.) (Ger)
- [Congenital malformations, 1978] Czeizel E. *Orv Hetil* 119(41):2485-93, 8 Oct 78 (Hun)
- [Klinefelter's syndrome (author's transl)] Ohba S.  
*Rinsho Hoshasen* 23(10):1073-4, Oct 78 (Jpn)
- [Lyonization of X chromosome] Yamana K.  
*Tanpakushitsu Kakusan Koso* 23(8):920-3, Jul 78 (Jpn)
- [Chromosome Y mapping] Boczkowski K. *Pol Tyg Lek* 33(36):1429-31, 4 Sep 78 (Pol)

## ANALYSIS

- [XOXY gonadal dysgenesis. 2 new cases] Ferro MT, et al.  
*Rev Clin Esp* 149(4):339-43, 31 May 78 (Spa)

## DRUG EFFECTS

- The induction of X-chromosomal aneuploidy by 5-fluorodeoxyuridine (FUDR) fed to *Drosophila melanogaster* females. Traut H. *Can J Genet Cytol* 20(2):259-63, Jun 78

## PHYSIOLOGY

- X-chromosome activity in preimplantation mouse embryos from XX and XO mothers. Monk M, et al.  
*J Embryol Exp Morphol* 46:53-64, Aug 78

## ULTRASTRUCTURE

- Karyotypic evolution in an originally XY cell line of *Drosophila melanogaster*: a case of heterochromatin increase in vitro. Halfer C. *Chromosoma* 68(2):149-63, 28 Aug 78
- Identification of fluorescent stained human Y-chromosome in interphase buccal cells and peripheral blood leucocytes. Chua TS, et al. *J Singapore Paediatr Soc* 19(4):263-71, Dec 77
- [Lyonization of X chromosome] Yamana K.  
*Tanpakushitsu Kakusan Koso* 23(8):920-3, Jul 78 (Jpn)

## SEX DETERMINATION

- Stimulation of human fetal lymphocytes by lipopolysaccharide B in culture. Studies on cells circulating in maternal blood. Björkbohm S, et al. *Acta Pathol Microbiol Scand [C]* 86C(4):159-64, Aug 78
- Determination of fetal sex in cattle by cytologic examination of amniotic fluid. Bongso TA, et al. *Am J Vet Res* 39(9):1545-6, Sep 78
- Sexual differentiation in the innominate bone studied by multivariate analysis. Day MH, et al. *Ann Hum Biol* 2(2):143-51, Apr 75
- Cell cycle and DNA synthesis in the mosquito *Aedes aegypti*. Marchi A, et al. *Can J Genet Cytol* 20(2):243-7, Jun 78
- Recessive male-determining genes. Wachtel SS, et al. *Cell* 15(1):279-81, Sep 78
- Sex determination in nuclei of amnion fluid cells. Schwinger E, et al. *Clin Genet* 14(3):169-72, Sep 78
- Chromosomal repatterning in Acrididae. Kumaraswamy KR, et al. *Cytobios* 19(73):21-6, 1977
- Intersex, a temperature-sensitive mutant of the nematode *Caenorhabditis elegans*. Nelson GA, et al. *Dev Biol* 66(2):386-409, Oct 78
- Anatomic and chromosomal anomalies in 944 induced abortions. Kajii T, et al. *Hum Genet* 43(3):247-58, 19 Sep 78
- Drosophila* genetics at Szeged [news] Ashburner M, et al. *Nature* 275(5680):481-2, 12 Oct 78
- Sexing of Bedouin skeletons from Israel. Kobylansky E, et al. *Z Morphol Anthropol* 69(2):205-8, 1978
- [Role of H-Y antigen in sex determination (editorial)] Kauschansky A, et al. *Harefuah* 94(12):435-7, 15 Jun 78 (Heb)
- [Chromosome Y mapping] Boczkowski K. *Pol Tyg Lek* 33(36):1429-31, 4 Sep 78 (Pol)
- [Hermaphroditism: its pathogenesis, clinical picture and the means of therapy] Rozovskii IS, et al.  
*Akush Ginekol (Mosk)* (8):67-73, Aug 78 (Rus)

## METHODS

- [Determination of the sex origin of teeth] Dange AH, et al.  
*Arch Kriminol* 162(3-4):115-9, Sep-Oct 78 (Ger)



# PLACENTA

## I. Physical and Functional Aspects

### PLACENTA

#### ANALYSIS

- Effect of maternal anaemia on the placenta and the newborn infant. Singla PN, et al. *Acta Paediatr Scand* 67(5):645-8, Sep 78
- Physicochemical characterization and molecular organization of the collagen A and B chains. Rhodes RK, et al. *Biochemistry* 17(17):3442-8, 22 Aug 78
- Transfer of digoxin across the placenta and into breast milk. Chan V, et al. *Br J Obstet Gynaecol* 85(8):605-9, Aug 78
- The water and nitrogen composition of the placenta in anemic women. Agboola A, et al. *Int J Gynaecol Obstet* 15(5):462-3, 1978
- Chromatographic studies on a chorionic gonadotropic activity in the placenta of the rat, mouse and hamster. Wide L, et al. *Ups J Med Sci* 83(1):1-6, 1978
- [Somatostatin-like substances in the decidua and chorionic villi in the early stage of pregnancy] Kumasaka T, et al. *Horumon To Rinsho* 26(6):571-4, Jun 78 (Jpn)
- [Effect of placental glycoproteins on lymphocyte reactivity] Fogel PI. *Pediatr Akush Ginekol* (4):52-3, Jul-Aug 78 (Ukr)

#### ENZYMOLGY

- The action of cathepsin B and collagenolytic cathepsin in the degradation of collagen. Etherington DJ, et al. *Acta Biol Med Ger* 36(11-12):1555-63, 1977
- Aconitase polymorphism in man. Slaughter CA, et al. *Ann Hum Genet* 39(2):193-202, Oct 75
- Human placental N-acetyl-beta-D-hexosaminidase isozymes. Activity toward native hyaluronic acid. Bach G, et al. *Arch Biochem Biophys* 189(1):37-43, Jul 78
- Human placental choline acetyltransferase. Nature and molecular aspects of the inhibition by iodo- and bromoacetylcholines. Henderson GI, et al. *Biochem Pharmacol* 27(9):1331-40, 1 May 78
- A placental type of membrane-bound arylamidase in serum and ascites from a patient with renal cell carcinoma. Hiwada K, et al. *Clin Chim Acta* 88(2):311-3, 1 Sep 78
- Concurrent hypertension and pregnancy. Welt SI, et al. *Clin Obstet Gynecol* 21(3):619-48, Sep 78 (80 ref.)
- Preferential X inactivation in human placenta membranes: is the paternal X inactive in early embryonic development of female mammals? Ropers HH, et al. *Hum Genet* 43(3):265-73, 19 Sep 78
- Modification of the kinetic properties of 5-ene, 3beta-hydroxysteroid dehydrogenase of human placental microsomes by hydrogen peroxide and 2-mercaptoethanol. Blomquist CH, et al. *J Steroid Biochem* 9(7):685-90, Jul 78
- Solubilization and partial purification of steroid sulfatase of human placenta. Gauthier R, et al. *Steroids* 31(6):783-98, Jun 78
- [Oncofetal isozymes (author's transl)] Higashino K. *Tanpakushitsu Kakusan Koso* 23(6):594-64, May 78 (229 ref.) (Jpn)

#### METABOLISM

- Studies on the paraplacental free fatty acid transport in rats. Zimmerman T, et al. *Acta Biol Med Ger* 37(2):245-8, 1978
- Studies on the fatty acid synthesis in maternal and fetal rats. Zimmermann T, et al. *Acta Biol Med Ger* 37(2):223-7, 1978
- The relationship between blood flow and oxygen uptake in the uterine and umbilical circulations. Clapp JF 3d. *Am J Obstet Gynecol* 132(4):410-3, 15 Oct 78

- The transfer and metabolism of corticosteroids in the perfused human placenta. Levitz M, et al. *Am J Obstet Gynecol* 132(4):363-6, 15 Oct 78
- Water exchange in the placenta: a mathematical model. Wilbur WJ, et al. *Am J Physiol* 235(3):R181-99, Sep 78
- The effects of digestive enzymes on characteristics of placental insulin receptor. Comparison of particulate and soluble receptor preparations. Clark S, et al. *Biochem J* 174(1):37-43, 15 Jul 78
- Choline metabolism in human term placenta--studies on de novo synthesis and the effects of some drugs on the metabolic fate of [N-methyl 3H]choline. Welsch F. *Biochem Pharmacol* 27(8):1251-7, 1978
- Umbilical vein-artery differences of plasma amino acids in the last trimester of human pregnancy. Hayashi S, et al. *Biol Neonate* 34(1-2):11-8, 1978
- Placental transfer of furosemide. Beermann B, et al. *Clin Pharmacol Ther* 24(5):560-2, Nov 78
- Transplacental passage of diazepam during labor: influence of uterine contractions. Haram K, et al. *Clin Pharmacol Ther* 24(5):590-9, Nov 78
- The distribution of sodium salicylate in the human fetus. Elis J, et al. *Int J Clin Pharmacol Biopharm* 16(8):365-7, Aug 78
- Maternal and fetal plasma steroid hormone levels in vaginal delivery with and without ACTH infusion. Miyakawa I, et al. *Int J Gynaecol Obstet* 15(6):539-44, 1978
- Processing of placental peptide hormones synthesized in lysates containing membranes derived from tunicamycin-treated ascites tumor cells. Bielinska M, et al. *J Biol Chem* 253(20):7117-9, 25 Oct 78
- Identification of mRNAs encoding the alpha and beta subunits of human choriogonadotropin. Daniels-McQueen S, et al. *J Biol Chem* 253(19):7109-14, 10 Oct 78
- The influence of cholinergic blockade on the uptake of alpha-aminoisobutyric acid by isolated human placental villi. Rowell PP, et al. *Toxicol Appl Pharmacol* 45(1):79-93, Jul 78
- [Prolonged pregnancy] Katsulov A. *Akush Ginekol (Sofia)* 17(4):288-95, 1978 (56 ref.) (Bul)
- [Usefulness of placenta perfusion under conditions of clinical experimental studies] Zrubek H, et al. *Ginekol Pol* 49(5):377-81, May 78 (Eng. Abstr.) (Pol)
- [Aspects of the functional state of the fetoplacental system in excessive fetal development] Chugunova DA. *Akush Ginekol (Mosk)* (9):24-7, Sep 78 (Eng. Abstr.) (Rus)
- [Determination of SP1 protein in pregnancy] Gregorić G, et al. *Srp Arh Celok Lek* 105(9):779-82, Sep 77 (Eng. Abstr.) (Sec)

#### PHYSIOLOGY

- Studies on the ultrastructure and permeability of the hemotrichorial placenta. II. Fetal capillaries and tracer administration into the fetal blood circulation. Aoki A, et al. *Cell Tissue Res* 192(3):409-22, 26 Sep 78
- Studies on the ultrastructure and permeability of the hemotrichorial placenta. I. Intercellular junctions of layer I and tracer administration into the maternal compartment. Metz J, et al. *Cell Tissue Res* 192(3):391-407, 26 Sep 78
- Smoking during pregnancy. Its effect on maternal metabolism and fetoplacental function. Pirani BB, et al. *Obstet Gynecol* 52(3):257-63, Sep 78
- [Factors determining the rate of weight gain of the human fetus in utero] Zaaizman JD, et al. *S Afr Med J* 53(21):867-9, 27 May 78 (18 ref.) (Eng. Abstr.) (Afr)
- [Diaplacental passage of Sarcocystis antibodies in man and rats (author's transl)] Aryeetey ME, et al. *Z Parasitenkd* 56(3):211-8, 7 Aug 78 (Eng. Abstr.) (Ger)

## PLACENTA

## PLACENTA

[Thermovision in obstetrics and gynecology] Alipov VI.  
Akush Ginekol (Mosk) (8):4-7, Aug 78 (30 ref.) (Rus)

[Aspects of the functional state of the fetoplacental system  
in excessive fetal development] Chugunova DA.  
Akush Ginekol (Mosk) (9):24-7, Sep 78 (Eng. Abstr.) (Rus)

[Placental hormonal function in certain types of pregnancy  
pathology] Kheifets SN, et al. Vopr Okhr Materin Det  
23(8):75-9, Aug 78 (Eng. Abstr.) (Rus)

### PHYSIOPATHOLOGY

Assessment of placental function in uncomplicated and  
complicated late pregnancy by estimation of unconjugated  
oestrogens in plasma after an intravenous injection of  
dehydroepiandrosterone sulphate. Axelsson O, et al.

Acta Endocrinol (Copenh) 89(2):359-71, Oct 78

[Morphofunctional characteristics of the placenta at the early  
stages of ontogeny in anemic hypoxia] Aver'ianova SG.  
Akush Ginekol (Mosk) (9):8-11, Sep 78 (Eng. Abstr.) (Rus)

[Morphological aspects of the adaptation reaction in the  
mother-placenta-fetus system in the anemia of pregnant  
women] Brusilovskii AI, et al. Akush Ginekol (Mosk)  
(9):11-4, Sep 78 (Rus)

### PLACENTAL FUNCTION TESTS

A study of fetal acceleration tests. Rayburn WF, et al.

Am J Obstet Gynecol 132(1):33-5, 1 Sep 78

Plasma estriol vs. estrogen assays in 24-h urines as an index  
to fetal status. Kirkish LS, et al. Clin Chem 24(10):1830-2,  
Oct 78

### METHODS

[Clinical use of the obstetrical monitor. IV. A functional test  
without loading for determining fetal status ('non-stress  
test')] Khadzhiev A. Akush Ginekol (Sofia) 17(4):235-44,  
1978 (Eng. Abstr.) (Bul)

[Determination of the activity of thermostable alkaline  
phosphatase in the blood of pregnant women: a prognostic  
test of the status of the newborn infant] Zhantieva EM, et  
al. Akush Ginekol (Mosk) (9):17-21, Sep 78 (Rus)



# PLACENTA

## II. Disorders of the Placenta

### CHORIOADENOMA

#### DIAGNOSIS

Hydatidiform mole in southern Iran: a statistical survey of 113 cases. Javey H, et al. *Int J Gynaecol Obstet* 15(5):390-5, 1978

#### OCCURRENCE

Hydatidiform mole in southern Iran: a statistical survey of 113 cases. Javey H, et al. *Int J Gynaecol Obstet* 15(5):390-5, 1978

#### THERAPY

Hydatidiform mole in southern Iran: a statistical survey of 113 cases. Javey H, et al. *Int J Gynaecol Obstet* 15(5):390-5, 1978

### CHORIOCARCINOMA

Metastatic choriocarcinoma involving the gingiva. Sato M, et al. *Int J Oral Surg* 7(3):192-6, Jun 78

#### BLOOD

The circulating alpha subunit of human chorionic gonadotrophin in gynaecologic tumours. Rutanen EM. *Int J Cancer* 22(4):413-21, 15 Oct 78

Biologic tumor markers in management of testicular and bladder cancer. Javadpour N. *Urology* 12(2):177-83, Aug 78

#### COMPLICATIONS

[A rare case of gastro-intestinal bleeding (letter)]  
Bezuidenhout DJ, et al. *S Afr Med J* 54(3):97, 15 Jul 78 (Afr)

#### DIAGNOSIS

Hydatidiform mole in southern Iran: a statistical survey of 113 cases. Javey H, et al. *Int J Gynaecol Obstet* 15(5):390-5, 1978

Clinical awareness of vulvo-vagina metastases in choriocarcinoma: case reports. Onuigbo WI. *Niger Med J* 8(3):270-1, May 78

[A rare case of gastro-intestinal bleeding (letter)]  
Bezuidenhout DJ, et al. *S Afr Med J* 54(3):97, 15 Jul 78 (Afr)

#### DRUG THERAPY

Combination chemotherapy with cis-dichlorodiammineplatinum(II) and adriamycin for testicular cancer refractory to vinblastine plus bleomycin. Einhorn LH, et al. *Cancer Treat Rep* 62(9):1351-3, Sep 78

Chromosome studies in patients treated with chemotherapy for trophoblastic tumours. pp. 239-46. Lawler SD, et al.

In: Evans HJ, Lloyd DC, ed. *Mutagen-induced chromosome damage in man*. Edinburgh, Univ Press, 1978. QH 462.A1 M992 1977.

[Supplemental therapy in gynecological neoplasms] Caffier H, et al. *Med Klin* 73(37):1268-75, 15 Sep 78 (Ger)

#### ENZYMOLGY

Estrogen synthetase in choriocarcinoma cell culture. Stimulation by dibutyl cyclic adenosine monophosphate and theophylline. Bellino FL, et al. *Steroids* 32(1):37-44, Jul-Aug 78

#### ETIOLOGY

Ovarian tumors in childhood and adolescence. Histological types and malignancy with reference to the age and

menstrual activity of patients. Szamborski JJ. *Neoplasma* 25(4):493-9, 1978

#### IMMUNOLOGY

Metastatic choriocarcinoma involving the gingiva. Sato M, et al. *Int J Oral Surg* 7(3):192-6, Jun 78

#### METABOLISM

Actions of cyclic AMP, its butyryl derivatives and Na butyrate on the HCG output of malignant trophoblast cells in vitro. Barker H, et al. *Br J Cancer* 38(1):158-62, Jul 78

#### OCCURRENCE

Hydatidiform mole in southern Iran: a statistical survey of 113 cases. Javey H, et al. *Int J Gynaecol Obstet* 15(5):390-5, 1978

#### PATHOLOGY

Tumours of the vagina, uterus, placenta and oviduct. Baba N, et al. *IARC Sci Publ* (6):161-88, 1976 (111 ref.)

Tumours of the testis. Mostofi FK, et al. *IARC Sci Publ* (6):135-50, 1976 (57 ref.)

Metastatic choriocarcinoma involving the gingiva. Sato M, et al. *Int J Oral Surg* 7(3):192-6, Jun 78

#### RADIOGRAPHY

Metastatic choriocarcinoma involving the gingiva. Sato M, et al. *Int J Oral Surg* 7(3):192-6, Jun 78

#### THERAPY

Hydatidiform mole in southern Iran: a statistical survey of 113 cases. Javey H, et al. *Int J Gynaecol Obstet* 15(5):390-5, 1978

The current management of advanced testicular cancers. Wajsman Z, et al. *Urol Surv* 28(4):127-33, Aug 78

### HYDATIDIFORM MOLE

Recurrent hydatidiform mole. Report of a case with five recurrences. Patek E, et al. *Acta Obstet Gynecol Scand* 57(4):381-3, 1978

#### ANALYSIS

[Gas chromatographic analysis of fatty acids in vesicular fluid in a case of hydatidiform mole] Diani F, et al. *Boll Soc Ital Biol Sper* 54(3):279-81, 15 Feb 78 (Ita)

#### BLOOD

Plasma testosterone in molar pregnancy: Correlation with gestational age, uterine size, theca-lutein cyst and serum HCG. Chew PC, et al. *Br J Obstet Gynaecol* 85(8):624-6, Aug 78

The circulating alpha subunit of human chorionic gonadotrophin in gynaecologic tumours. Rutanen EM. *Int J Cancer* 22(4):413-21, 15 Oct 78

#### CHEMICALLY INDUCED

[A further case of hydatidiform mole after treatment with clomiphene] Wajntraub G, et al. *Minerva Ginecol* 30(9):759-62, Sep 78 (Eng. Abstr.) (Ita)

#### CLASSIFICATION

The syndromes of hydatidiform mole. II. Morphologic evolution of the complete and partial mole. Szulman AE, et al. *Am J Obstet Gynecol* 132(1):20-7, 1 Sep 78

#### COMPLICATIONS

Plasma testosterone in molar pregnancy: Correlation with gestational age, uterine size, theca-lutein cyst and serum

## HYDATIDIFORM MOLE

HCG. Chew PC, et al. *Br J Obstet Gynaecol* 85(8):624-6, Aug 78

### DIAGNOSIS

Hydatidiform mole in southern Iran: a statistical survey of 113 cases. Javey H, et al. *Int J Gynaecol Obstet* 15(5):390-5, 1978

[Diagnostic echography of a molar pregnancy with embryo] Benassayag JL, et al. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):754-6, Apr 78 (Fre)

[Diagnostic ultrasound in the recognition of hydatide mole] Györik J, et al. *Orv Hetil* 119(28):1723-4, 9 Jun 78(Hun)

[Echocopy in the early diagnosis of pregnancy] Zauli F, et al. *Minerva Ginecol* 30(9):749-53, Sep 78 (Ita)

[Hydatidiform mole with a live fetus diagnosed using ultrasound] Tomažević T, et al. *Jugosl Ginekol Opstet* 17(4):257-60, Jul-Aug 77 (Eng. Abstr.) (Ser)

### ETIOLOGY

High frequency of hydatidiform mole in native Alaskans. Martin PM. *Int J Gynaecol Obstet* 15(5):395-6, 1978

### FAMILIAL & GENETIC

The syndromes of hydatidiform mole. II. Morphologic evolution of the complete and partial mole. Szulman AE, et al. *Am J Obstet Gynecol* 132(1):20-7, 1 Sep 78

High frequency of hydatidiform mole in native Alaskans. Martin PM. *Int J Gynaecol Obstet* 15(5):395-6, 1978

### METABOLISM

[Thyroid and hypophyseal steroid secretion in hydatidiform mole] Decocq J, et al. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):744-6, Apr 78 (Fre)

### NURSING

Case study--hydatidiform mole. Wills K. *NZ Nurs J* 71(9):25-7, Sep 78

### OCCURRENCE

Hydatidiform mole in southern Iran: a statistical survey of 113 cases. Javey H, et al. *Int J Gynaecol Obstet* 15(5):390-5, 1978

High frequency of hydatidiform mole in native Alaskans. Martin PM. *Int J Gynaecol Obstet* 15(5):395-6, 1978

Benign hydatidiform mole in Ibadan, Nigeria. Ogunbode O. *Int J Gynaecol Obstet* 15(5):387-90, 1978

### PATHOLOGY

The syndromes of hydatidiform mole. II. Morphologic evolution of the complete and partial mole. Szulman AE, et al. *Am J Obstet Gynecol* 132(1):20-7, 1 Sep 78

Plasma testosterone in molar pregnancy: Correlation with gestational age, uterine size, theca-lutein cyst and serum HCG. Chew PC, et al. *Br J Obstet Gynaecol* 85(8):624-6, Aug 78

### SURGERY

Benign hydatidiform mole in Ibadan, Nigeria. Ogunbode O. *Int J Gynaecol Obstet* 15(5):387-90, 1978

[Diagnostic ultrasound in the recognition of hydatide mole] Györik J, et al. *Orv Hetil* 119(28):1723-4, 9 Jun 78(Hun)

### THERAPY

Hydatidiform mole in southern Iran: a statistical survey of 113 cases. Javey H, et al. *Int J Gynaecol Obstet* 15(5):390-5, 1978

[Comparative studies on the termination of intact and disturbed pregnancies by intramuscular application of 15(s)-15-methyl-prostaglandin F<sub>2</sub>alpha (author's transl)] Schridde H, et al. *Geburtshilfe Frauenheilkd* 38(10):845-8, Oct 78 (Eng. Abstr.) (Ger)

## PLACENTA

### ABNORMALITIES

[Contribution to the knowledge of rare amniogenic

## PLACENTA

malformations] Buchholz A, et al. *Z Aertzt Fortbild (Jena)* 72(14):659-61, 15 Jul 78 (Ger)

### INJURIES

Perforation of a placental fetal vessel by an intrauterine pressure catheter. Nuttall ID. *Br J Obstet Gynaecol* 85(8):573-4, Aug 78

## PLACENTA DISORDERS

The postnatal development of rats born preterm and postterm. II. Liver, brain, heart and kidneys. Bührdel P, et al. *Biol Neonate* 33(5-6):240-52, 1978

[The influence of exogenous and endogenous factors to physiological jaundice during neonatal period (author's transl)] Metzke H, et al. *Klin Paediatr* 190(5):474-8, Sep 78 (Eng. Abstr.) (Ger)

### COMPLICATIONS

Quantification of intrauterine malnutrition. Roord JJ, et al. *Biol Neonate* 33(5-6):273-7, 1978

[Determination of blood coagulation in acute obstetrical and gynecologic hemorrhages by means of the Hellge direct writing thrombelastograph] Riedel H, et al. *Fortschr Med* 96(36):1800-3, 28 Sep 78 (Eng. Abstr.) (Ger)

[Learning capacity of rabbits developing prenatally in the presence of reduced maternal-placental circulation] Antonov VV. *Zh Vyssh Nerv Deiat* 28(4):830-2, Jul-Aug 78 (Rus)

### DIAGNOSIS

Placental coccidioidomycosis without fetal disease. McCaffree MA, et al. *Arch Pathol Lab Med* 102(10):512-4, Oct 78

[Lipid test, a test for placental insufficiency (a preliminary report)] Papazov B, et al. *Akush Ginekol (Sofia)* 17(4):256-61, 1978 (Eng. Abstr.) (Bul)

[Measuring the turbidity of amniotic fluid, a possibility to assess fetal maturity before birth (author's transl)] Lamberti G. *Z Geburtshilfe Perinatol* 182(4):269-77, Aug 78 (Eng. Abstr.) (Ger)

### DRUG THERAPY

Outpatient management of placental insufficiency with heparin. Berg D, et al. *J Perinat Med* 6(3):141-8, 1978

### EMBRYOLOGY

[Pathological and embryological studies on abortion cases related to the Seveso accident] Rehder H, et al. *Schweiz Med Wochenschr* 108(42):1617-25, 21 Oct 78 (Eng. Abstr.) (Ger)

### ETIOLOGY

[Obstetrical complications in induced abortions] Renkielska M. *Ginekol Pol* 49(5):389-93, May 78 (Eng. Abstr.) (Pol)

### METABOLISM

[State of iron metabolism in pregnant women with placental insufficiency] Goriachev VV. *Vopr Okhr Materin Det* 23(8):88, Aug 78 (Rus)

### OCCURRENCE

[Fetal malnutrition in the Hospital Regional of Chillan. Experience of 1 year: 1975-1976] Melo W, et al. *Rev Chil Pediatr* 48(3-4):141-7, May-Aug 77 (Spa)

### PATHOLOGY

Placental coccidioidomycosis without fetal disease. McCaffree MA, et al. *Arch Pathol Lab Med* 102(10):512-4, Oct 78

Tumours of the vagina, uterus, placenta and oviduct. Baba N, et al. *IARC Sci Publ* 6(6):161-88, 1976 (111 ref.)

[Pathological and embryological studies on abortion cases related to the Seveso accident] Rehder H, et al. *Schweiz Med Wochenschr* 108(42):1617-25, 21 Oct 78 (Eng. Abstr.) (Ger)

[The placenta from the pediatric point of view] Las Heras J. *Bol Med Hosp Infant Mex* 35(6):1025-51, Nov-Dec 78 (Eng. Abstr.) (Spa)



## PHYSIOPATHOLOGY

Prenatal nutrition. Widdowson EM. *Ann NY Acad Sci* 300:188-96, 30 Nov 77

## TROPHOBLASTIC TUMOR

### DRUG THERAPY

Role of antitumor antibiotics in current oncologic practice. Davis HL Jr, et al. *Recent Results Cancer Res* 63:21-9, 1978 (73 ref.)

### OCCURRENCE

[Incidence of trophoblastic tumors at the Obstetrical and Gynecological Clinic of the Università de L'Aquila] Cappa F, et al. *Boll Soc Ital Biol Sper* 54(7):651-3, 15 Apr 78 (Ita)

# PLACENTA

## III. Placenta Hormones, Precursors, Metabolites and Synthetic Analogs

### GONADOTROPINS, CHORIONIC

Studies on a human chorionic gonadotrophin-like material present in non-pregnant subjects. Robertson DM, et al. *Acta Endocrinol (Copenh)* 89(3):492-505, Nov 78

Progesterone, 20alpha-dihydroprogesterone and PGF; interrelated hormonal changes during pseudo-pregnancy in the rat. Hall AK, et al. *Prostaglandins* 15(6):1013-25, Jun 78

#### ADMINISTRATION & DOSAGE

Clinical methods for the assessment of the sensitivity of the adenopituitary and ovary. Horský J, et al. *Czech Med* 1(3):153-5, 1978

Treatment of testicular hypofunction with gonadotrophic hormones. Lábady F. *Int Urol Nephrol* 10(2):125-30, 1978

[Serum testosterone levels and response to administration of chorionic gonadotropins in bovine hermaphrodites] Navrátil S, et al. *Vet Med (Praha)* 23(8):473-8, Aug 78 (Eng. Abstr.) (Cze)

#### ANALYSIS

Characterization of the human chorionic gonadotrophin fractions in pregnancy urine. Puett D, et al. *Acta Endocrinol (Copenh)* 89(3):612-24, Nov 78

Studies on a human chorionic gonadotrophin-like material present in non-pregnant subjects. Robertson DM, et al. *Acta Endocrinol (Copenh)* 89(3):492-505, Nov 78

Computerized optimization of radioimmunoassays for hCG and estradiol: an experimental evaluation. Yanagishita M, et al. *Anal Biochem* 88(1):1-19, 15 Jul 78

Immunoassay of the human chorionic gonadotrophin using fluorescence polarization. Urios P, et al. *FEBS Lett* 94(1):54-8, 1 Oct 78

HCG [letter] Kumarasamy T, et al. *Obstet Gynecol* 52(3):384, Sep 78

Chromatographic studies on a chorionic gonadotropic activity in the placenta of the rat, mouse and hamster. Wide L, et al. *Ups J Med Sci* 83(1):1-6, 1978

#### BIOSYNTHESIS

Actions of cyclic AMP, its butyryl derivatives and Na butyrate on the HCG output of malignant trophoblast cells in vitro. Barker H, et al. *Br J Cancer* 38(1):158-62, Jul 78

Processing of placental peptide hormones synthesized in lysates containing membranes derived from tunicamycin-treated ascites tumor cells. Bielinska M, et al. *J Biol Chem* 253(20):7117-9, 25 Oct 78

Identification of mRNAs encoding the alpha and beta subunits of human chorionic gonadotropin. Daniels-McQueen S, et al. *J Biol Chem* 253(19):7109-14, 10 Oct 78

Direct and pituitary-mediated effects of delta9-THC and cannabinal on the testis. Dalterio S, et al. *Pharmacol Biochem Behav* 8(6):673-8, Jun 78

[Functioning tumors with special reference to ectopic hormone producing tumors (author's transl)] Imura H, et al. *Tanpakushitsu Kakusan Koso* 23(6):641-56, May 78 (67 ref.) (Jpn)

#### BLOOD

Demonstration of human chorionic gonadotropin during the second half of the menstrual cycle in plasma of regularly menstruating women users of copper IUDs. Capitanio GL, et al. *Acta Eur Fertil* 9(1):11-9, Mar 78 (Eng, Ita)

Influence of oral contraceptives on immediate postabortal pituitary-ovarian function. Lähteenmäki P. *Acta Obstet Gynecol Scand Suppl* 76:1-43, 1978

Plasma testosterone in molar pregnancy: Correlation with gestational age, uterine size, theca-lutein cyst and serum HCG. Chew PC, et al. *Br J Obstet Gynaecol* 85(8):624-6, Aug 78

The disappearance of HCG and return of pituitary function after abortion. Lähteenmäki P. *Clin Endocrinol (Oxf)* 9(2):101-12, Aug 78

Gonadotrophin, thyrotrophin and prolactin reserve in beta thalassaemia. Landau H, et al. *Clin Endocrinol (Oxf)*

9(2):163-73, Aug 78

Multivariate biochemical indicators of breast cancer: an evaluation of their potential in routine practice. Cowen DM, et al. *Eur J Cancer* 14(8):885-93, Aug 78

The circulating alpha subunit of human chorionic gonadotrophin in gynaecologic tumours. Rutanen EM. *Int J Cancer* 22(4):413-21, 15 Oct 78

Correlation of computed tomography and serum tumor markers in metastatic retroperitoneal testicular tumor. Javadpour N, et al. *J Comput Assist Tomogr* 2(2):176-80, Apr 78

Pregnancy-specific beta-1-glycoprotein and chorionic gonadotropin levels after first-trimester abortions. Mandelin M, et al. *Obstet Gynecol* 52(3):314-7, Sep 78

Termination of early pregnancy by a single-dose 3.0 mg 15-methyl PGF2alpha methyl ester vaginal suppository. Mandelin M. *Prostaglandins* 16(1):143-52, Jul 78

The intra-uterine contraceptive device--contraceptive or abortifacient? Kort H, et al. *S Afr Med J* 53(21):864-6, 27 May 78

Current concepts in management of testicular tumor. Javadpour N. *Urol Surv* 28(3):89-94, Jun 78

The current management of advanced testicular cancers. Wajzman Z, et al. *Urol Surv* 28(4):127-33, Aug 78

Biologic tumor markers in management of testicular and bladder cancer. Javadpour N. *Urology* 12(2):177-83, Aug 78

[A primary malignant mixed germ cell tumor of the ovary] de Groot AW, et al. *Ned Tijdschr Geneesk* 122(43):1657-60, 28 Oct 78 (Eng. Abstr.) (Dut)

[The hormonal levels in case of abortion during the first trimester (author's transl)] Chartier M. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):673-7, Apr 78 (Eng. Abstr.) (Fre)

[The value of determinations of human chorionic gonadotrophin, human placental lactogen, progesterone and oestriol in women with threatened abortion (author's transl)] Gerhard I, et al. *Geburtshilfe Frauenheilkd* 38(10):785-99, Oct 78 (Eng. Abstr.) (Ger)

#### CEREBROSPINAL FLUID

Transport of pituitary hormones into the cerebrospinal fluid in women. *Res Reprod* 10(4):1, Jul 78

#### DIAGNOSTIC USE

Effect of glucocorticoids on plasma testosterone in men. Schaison G, et al. *Acta Endocrinol (Copenh)* 89(1):126-31, Sep 78

Ovarian follicular apparatus and hormonal parameters in patients with primary and secondary amenorrhea. Nakano R, et al. *Acta Obstet Gynecol Scand* 57(4):293-300, 1978

Biochemical markers in breast carcinoma. Duffy MJ, et al. *Ir Med J* 71(12):408-13, 15 Sep 78

hCG stimulation test in prepubertal boys with cryptorchidism. Anoussakis C, et al. *J Pediatr* 93(4):630-2, Oct 78

[The pathological secretion of prolactin (author's transl)] Schaison G. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):634-9, Apr 78 (Eng. Abstr.) (Fre)

[Studies of endocrinological function of testis. Report 1. The HCG stimulation test in normal males, idiopathic sterilities and Klinefelter's syndromes (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):679-85, Jun 78 (Eng. Abstr.) (Jpn)

[Studies of endocrinological function of testis. Report 5. Follow-up of delayed puberty (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):712-7, Jun 78 (Eng. Abstr.) (Jpn)

[Studies of endocrinological function of testis. Report 2. Delayed puberty (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):686-92, Jun 78 (Eng. Abstr.) (Jpn)

[Studies of endocrinological function of testis. Report 4. Cryptorchidism after surgical therapy (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):700-11, Jun 78 (Eng. Abstr.) (Jpn)

[Studies of endocrinological function of testis. Report 3. Hypogonadism of adult (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):693-9, Jun 78 (Eng. Abstr.) (Jpn)

[Deficient function of the hypothalamic centers as a cause



## PLACENTA

## GONADOTROPINS,

of primary amenorrhoea] Bogdahova EA, et al.  
Akush Ginekol (Mosk) (8):24-7, Aug 78 (Eng. Abstr.)

(Rus)

[Change in the estradiol, progesterone and testosterone levels in the blood plasma in Stein-Leventhal syndrome]  
Dokumov S, et al. Akush Ginekol (Mosk) (8):33-5, Aug 78

(Rus)

### GENETICS

Identification of mRNAs encoding the alpha and beta subunits of human chorionic gonadotropin. Daniels-McQueen S, et al.  
J Biol Chem 253(19):7109-14, 10 Oct 78

### IMMUNOLOGY

The circulating alpha subunit of human chorionic gonadotropin in gynaecologic tumours. Rutanen EM.  
Int J Cancer 22(4):413-21, 15 Oct 78

The present and future of immunologic approaches to contraception. Talwar GP. Int J Gynaecol Obstet 15(5):410-4, 1978

Subcellular localization of gonadotropins and testosterone in the developing fetal rat testis. Childs GV, et al.  
J Histochem Cytochem 26(7):545-64, Jul 78

Raising of antisera to protein hormones without using Freund's adjuvant. Shahani SK, et al.  
J Immunol Methods 23(1-2):91-7, 1978

Modification of the Farr assay using ethanol-ammonium acetate precipitation and its application to the measurement of affinity of anti-HCG produced in several species. Thanavala YM, et al. J Immunol Methods 23(1-2):51-8, 1978  
[Effect of hormones on cellular and humoral immunity in pregnancy] Gulianskii LN. Akush Ginekol (Mosk) (9):1-5, Sep 78 (47 ref.)

(Rus)

### ISOLATION & PURIFICATION

Characterization of the human chorionic gonadotropin fractions in pregnancy urine. Puett D, et al.  
Acta Endocrinol (Copenh) 89(3):612-24, Nov 78

### METABOLISM

On the relative biological and immunoreactive potencies of luteinizing hormone in the oestradiol benzoate-treated male rat. Grotjan HE Jr, et al. Acta Endocrinol (Copenh) 89(3):538-50, Nov 78

Oestrogen induced Leydig cell refractoriness to gonadotropin stimulation. Saez JM, et al.  
Acta Endocrinol (Copenh) 89(2):379-92, Oct 78

Biological activity of hybrid combinations of ovine and sea turtle LH subunits. Licht P, et al. Gen Comp Endocrinol 35(3):289-94, Jul 78

Demonstration of a direct effect of inhibitors of the degradation of receptor-bound human chorionic gonadotropin on the steroidogenic pathway. Ascoli M. J Biol Chem 253(21):7839-43, 10 Nov 78

Inhibition of the degradation of receptor-bound human chorionic gonadotropin by lysosomotropic agents, protease inhibitors, and metabolic inhibitors. Ascoli M, et al.  
J Biol Chem 253(21):7832-8, 10 Nov 78

[Thyroid and hypophyseal steroid secretion in hydatidiform mole] Decocq J, et al.  
J Gynecol Obstet Biol Reprod (Paris) 7(3 Pt 2):744-6, Apr 78

(Fre)

### PHARMACODYNAMICS

In vitro and in vivo studies on Leydig cell function in old rats. Pirke KM, et al. Acta Endocrinol (Copenh) 89(2):393-403, Oct 78

Oestrogen induced Leydig cell refractoriness to gonadotropin stimulation. Saez JM, et al.  
Acta Endocrinol (Copenh) 89(2):379-92, Oct 78

Maturation changes in sheep ovarian follicles: gonadotrophic stimulation of cyclic AMP production by isolated theca and granulosa cells. Weiss TJ, et al.  
Acta Endocrinol (Copenh) 89(1):166-72, Sep 78

Effects of human chorionic gonadotropin on the release of cyclic AMP and progesterone from the sheep ovary at different stages of the oestrous cycle. Weiss TJ, et al.  
Acta Endocrinol (Copenh) 89(1):158-65, Sep 78

Role of gangliosides in gonadotropin and cholera enterotoxin stimulated steroidogenesis in isolated rat ovarian cells. Azhar S, et al. Biochem Biophys Res Commun 83(2):493-500, 28 Jul 78

Effects of ovarian steroids on spontaneous and nerve-induced electrical activity of the oviduct and its attached membranes in the rabbit. Meiri U, et al. Biol Reprod 19(1):183-93, Aug

78

Inhibition of the degradation of receptor-bound human chorionic gonadotropin by lysosomotropic agents, protease inhibitors, and metabolic inhibitors. Ascoli M, et al.  
J Biol Chem 253(21):7832-8, 10 Nov 78

Failure of methadone-treated human testes to respond to the stimulatory effect of human chorionic gonadotropin on testosterone biosynthesis in vitro. Purohit V, et al.  
J Endocrinol 78(2):299-300, Aug 78

Estrogen-like compounds and progesterone in male and female rats before puberty—II. Effects of administration of ACTH, steroidogenesis inhibitors, dexamethasone and hCG. Audi L, et al. J Steroid Biochem 9(7):631-5, Jul 78

On the activation of the corpus luteum of rat estrous cycle with phenobarbital anesthesia. II. Blockade by luteinizing hormone of phenobarbital-induced pseudopregnancy. Furudate S. Kitasato Arch Exp Med 50(1-2):47-56, Jun 77

[Mechanism involved in the basal body temperature—effects of sex hormones and gonadotropin on the temperature regulation system in rats] Kawakami M, et al.  
Hormon To Rinsho 26(6):603-9, Jun 78

(Jpn)

### SECRETION

Gonadotropin, thyrotrophin and prolactin reserve in beta thalassaemia. Landau H, et al. Clin Endocrinol (Oxf) 9(2):163-73, Aug 78

[Gonadal hormone production before puberty] Huhtaniemi I. Duodecim 94(10):625-32, 1978

(Fin)

[Pancreatic carcinoma producing chorionic gonadotropin] Stark M. Harefuah 94(11):383-4, 1 Jun 78 (Eng. Abstr.)

(Heb)

[Functioning tumors with special reference to ectopic hormone producing tumors (author's transl)] Imura H, et al. Tanpakushitsu Kakusan Koso 23(6):641-56, May 78 (67 ref.)

(Jpn)

### THERAPEUTIC USE

Induction of ovulation with clomiphene and human chorionic gonadotropin in women with hyperprolactinaemic amenorrhoea. McGarrigle HH, et al.  
Br J Obstet Gynaecol 85(9):692-7, Sep 78

Treatment of testicular hypofunction with gonadotrophic hormones. Lábady F. Int Urol Nephrol 10(2):125-30, 1978

Current concepts of the undescended testis. Shapiro SR, et al. Surg Gynecol Obstet 147(4):617-25, Oct 78 (109 ref.)

[Therapeutics basis of threatened abortions (author's transl)] Viala JL. J Gynecol Obstet Biol Reprod (Paris) 7(3 Pt 2):678-82, Apr 78 (Eng. Abstr.)

(Fre)

[Study of 13 cases of ostensibly idiopathic male infertility treated successfully by HMG/HCG combination] Alexandre C. Sem Hop Paris 54(17-20):633-6, Jun 78 (Eng. Abstr.)

(Fre)

[Cryptorchism in children] Vuković D, et al. Med Pregl 31(7-8):289-92, 1978 (Eng. Abstr.)

(Ser)

### URINE

Characterization of the human chorionic gonadotropin fractions in pregnancy urine. Puett D, et al.  
Acta Endocrinol (Copenh) 89(3):612-24, Nov 78

A comparative study between radioreceptor assay and radioimmunoassay for hCG in patients with trophoblastic disease. Kletzky OA, et al. Obstet Gynecol 52(3):328-31, Sep 78

[Urinary Hcg determination by means of a new and more sensitive haemagglutination test (author's transl)] Spona J. Wien Klin Wochenschr 90(18):666-70, 29 Sep 78 (Eng. Abstr.)

(Ger)

[Diagnostic problems in tubal pregnancy] Reiffenstahl G. Wien Med Wochenschr 128(15):471-3, 15 Aug 78

(Ger)

[Placental hormonal function in certain types of pregnancy pathology] Kheifets SN, et al. Vopr Okhr Materin Det 23(8):75-9, Aug 78 (Eng. Abstr.)

(Rus)

[Simplified immunology for the diagnosis of pregnancy] Vázquez E, et al. Ginecol Obstet Mex 43(260):419-28, Jun 78

(Spa)

## GONADOTROPINS, EQUINE

### ADMINISTRATION & DOSAGE

Embryo transfer in cattle: an evaluation of the current situation. Bouters R, et al. J S Afr Vet Assoc 49(1):9-12, Mar 78

## GONADOTROPINS,

## PLACENTA

### PHARMACODYNAMICS

- Plasma progesterone assays in superovulated cattle. Solti L, et al. *Acta Vet Scand* 19(2):298-309, 1978  
Bovine ovarian and pituitary responses to PMS and GnRH administered during metestrus. Ford SP, et al. *J Anim Sci* 46(6):1701-6, Jun 78  
Mechanism of luteinizing hormone regulation of prostaglandin synthesis in rat granulosa cells. Clark MR, et al. *J Biol Chem* 253(21):7757-61, 10 Nov 78

### PLACENTAL HORMONES

#### ADMINISTRATION & DOSAGE

- [Induction of mammary gland cancer in rats] Kisliakova ND, et al. *Vopr Onkol* 24(8):93-7, 1978 (Eng. Abstr.) (Rus)

#### IMMUNOLOGY

- The present and future of immunologic approaches to contraception. Talwar GP. *Int J Gynaecol Obstet* 15(5):410-4, 1978

#### PHYSIOLOGY

- [Placental hormonal function in certain types of pregnancy pathology] Kheifets SN, et al. *Vopr Okhr Materin Det* 23(8):75-9, Aug 78 (Eng. Abstr.) (Rus)

### PLACENTAL LACTOGEN

- Human placental lactogen levels in amniotic fluid in normal and toxemic pregnancies. Lolis D, et al. *Acta Obstet Gynecol Scand* 57(4):367-9, 1978

#### ANALYSIS

- Human placental lactogen levels in amniotic fluid in normal and toxemic pregnancies. Lolis D, et al. *Acta Obstet Gynecol Scand* 57(4):367-9, 1978  
Use of polyethylene glycol in radioimmunoassay of human placental lactogen. Ermshar CL, et al. *Clin Chem* 24(10):1767-0, Oct 78  
Concurrent hypertension and pregnancy. Welt SI, et al. *Clin Obstet Gynecol* 21(3):619-48, Sep 78 (80 ref.)  
Maternal serums and amniotic fluid levels of human placental lactogen in gestational diabetes. Lolis D, et al. *Eur J Clin Invest* 8(4):259-60, Aug 78

#### BIOSYNTHESIS

- Processing of placental peptide hormones synthesized in lysates containing membranes derived from tunicamycin-treated ascites tumor cells. Bielinska M, et al. *J Biol Chem* 253(20):7117-9, 25 Oct 78

#### BLOOD

- A heterologous radioimmunoassay for avian prolactin: application to the measurement of prolactin in the turkey. McNeilly AS, et al. *Acta Endocrinol (Copenh)* 89(1):60-9, Sep 78  
Oestrogen treatment and subsequent pregnancy in two patients with severe hypergonadotrophic ovarian failure. Starup J, et al. *Acta Endocrinol (Copenh)* 89(1):149-57, Sep 78  
CAP, HCS and urinary oestriol assays in diabetic pregnancy. Rydén G, et al. *Acta Obstet Gynecol Scand* 57(4):313-6, 1978  
Use of polyethylene glycol in radioimmunoassay of human placental lactogen. Ermshar CL, et al. *Clin Chem* 24(10):1767-0, Oct 78  
Maternal serums and amniotic fluid levels of human placental lactogen in gestational diabetes. Lolis D, et al. *Eur J Clin Invest* 8(4):259-60, Aug 78  
[Prolonged pregnancy] Katsulov A. *Akush Ginekol (Sofia)* 17(4):288-95, 1978 (56 ref.) (Bul)  
[The value of determinations of human chorionic gonatrophin, human placental lactogen, progesterone and oestriol in women with threatened abortion (author's transl)] Gerhard I, et al. *Geburtshilfe Frauenheilkd* 38(10):785-99, Oct 78 (Eng. Abstr.) (Ger)

#### CEREBROSPINAL FLUID

- Transport of pituitary hormones into the cerebrospinal fluid

in women. *Res Reprod* 10(4):1, Jul 78

### IMMUNOLOGY

- [Effect of hormones on cellular and humoral immunity in pregnancy] Gulianskii LN. *Akush Ginekol (Mosk)* (9):1-5, Sep 78 (47 ref.) (Rus)

### PHARMACODYNAMICS

- Effects of insulin, human placental lactogen and human growth hormone of DNA synthesis in organ cultures of benign human breast tumours. Welsch CW, et al. *Br J Cancer* 38(2):258-62, Aug 78  
Relation between steroid receptor content and the response to hormone addition in isolated human breast cancer cells in short-term culture. Israel N, et al. *Cancer Res* 38(11 Pt 2):4314-7, Nov 78  
Difference between mammary epithelial cells from mature virgin and primiparous mice. Vonderhaar BK, et al. *Cancer Res* 38(11 Pt 2):4059-65, Nov 78  
Prolactin and the development and progression of early neoplastic mammary gland lesions. Welsch CW. *Cancer Res* 38(11 Pt 2):4054-8, Nov 78

### PHYSIOLOGY

- [Influence of placental lactogen (HPL) on carbohydrate metabolism in pregnancy] Concordia N, et al. *Boll Soc Ital Biol Sper* 54(7):633-7, 15 Apr 78 (Ita)

### URINE

- Outpatient management of placental insufficiency with heparin. Berg D, et al. *J Perinat Med* 6(3):141-8, 1978



# PARATHYROID AND BONE

## I. Physical and Functional Aspects

### PARATHYROID GLANDS

[Intraoperative identification of parathyroid glands with methylene blue (author's transl)] Anné T, et al.  
Acta Chir Belg 77(5):375-9, Sep-Oct 78 (Eng. Abstr.) (Dut)

#### ABNORMALITIES

[Pallido-dentate calcifications (apropos of 7 anatomo-clinical case reports)] Constantinidis J, et al.  
Schweiz Arch Neurol Neurochir Psychiatr 122(2):237-51, 1978 (Eng. Abstr.) (Fre)  
[Sudden death syndrome in infants] Medvedev NIu.  
Arkh Patol 40(9):79-85, 1978 (Eng. Abstr.) (Rus)

#### ANATOMY & HISTOLOGY

The topographical anatomy and blood supply of the carotid body region of the domestic fowl. Abdel-Magied EM, et al. J Anat 126(3):535-46, Aug 78

#### BLOOD SUPPLY

[Hyperbaric oxygenation therapy of spinal complications following parathyroid angiography] Niznikiewicz J, et al. Pol Tyg Lek 33(27):1081-2, 3 Jul 78 (Eng. Abstr.) (Pol)

#### DRUG EFFECTS

The secretion of parathormone and glycosylated proteins by parathyroid cells in culture. Morrissey JJ, et al.  
Biochem Biophys Res Commun 82(4):1279-86, 29 Jun 78

#### ENZYMOLGY

Hormone receptors and cyclic nucleotide metabolism in cancer cells. Martin TJ, et al. Clin Endocrinol (Oxf) 5 Suppl:373S-386S, 1976 (57 ref.)

#### IMMUNOLOGY

[Evaluation of the biological activity of a specific anticartilage and antiparathyroid immunoglobulin (histopathological patterns)] Rodrigo J, et al.  
Rev Esp Reum Enferm Osteoartic 21(2):173-88, 1978 (Eng. Abstr.) (Spa)

#### METABOLISM

Hormone receptors and cyclic nucleotide metabolism in cancer cells. Martin TJ, et al. Clin Endocrinol (Oxf) 5 Suppl:373S-386S, 1976 (57 ref.)  
Parathyroid hormone biosynthesis: structure and function of biosynthetic precursors. Habener JF, et al. Fed Proc 37(12):2561-6, Oct 78  
Characterization and partial purification of parathyroid hormone messenger RNA. Stolarsky L, et al.  
J Biol Chem 253(20):7194-201, 25 Oct 78

#### PATHOLOGY

The rationale against routine subtotal parathyroidectomy for primary hyperparathyroidism. Attie JN, et al.  
Am J Surg 136(4):437-44, Oct 78  
Hormone receptors and cyclic nucleotide metabolism in cancer cells. Martin TJ, et al. Clin Endocrinol (Oxf) 5 Suppl:373S-386S, 1976 (57 ref.)

Renal insufficiency and hypercalcemia. Thier SO.  
Kidney Int 14(2):194-200, Aug 78

#### PHYSIOLOGY

The 26-hydroxylation of 25-hydroxyvitamin D3 in vitro by chick renal homogenates. Tanaka Y, et al.  
Biochem Biophys Res Commun 83(1):7-13, 14 Jul 78  
Stimulatory effect of calcitonin on calcium excretion into bile of thyroparathyroidectomized rats. Yamaguchi M, et al.  
Chem Pharm Bull (Tokyo) 26(7):1981-4, Jul 78  
The assay of 1alpha,25-dihydroxyvitamin D3: physiologic and pathologic modulation of circulating hormone levels. Haussler MR, et al. Clin Endocrinol (Oxf) 5 Suppl:151S-165S, 1976  
Skeletal resistance to the calcaemic action of parathyroid hormone in uraemia: a mechanism for the hypocalcaemia and secondary hyperparathyroidism of chronic renal failure. Massry SG. Clin Endocrinol (Oxf) 5 Suppl:317S-325S, 1976  
Metabolic changes induced by acute phosphate loading in acutely thyroparathyroidectomized rats. Oberleithner H, et al. Curr Probl Clin Biochem 8:472-3, 23-26 Oct 77  
Experimental and seasonal changes in the pituitary of the Teleost Heteropneustes fossilis (Bloch). Haider S.  
Endokrinologie 72(1):9-16, Apr 78  
Seasonal variations in the endocrine system of hibernators. pp. 103-10. Johansson BW.  
In: Assenmacher I, Farner DS, ed. Environmental endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977. (45 ref.)  
Effect of tin on calcium content in the bile of rats. Yamaguchi M, et al. Toxicol Appl Pharmacol 45(2):611-6, Aug 78  
[Hypertension by nerve section in adrenalectomized, hypophysectomized, thyroidectomized and splanchnectomized dogs or in dogs with diabetes insipidus] Baisset A, et al. C R Soc Biol (Paris) 172(1):196-9, 1978 (Eng. Abstr.) (Fre)

#### SECRETION

The secretion of parathormone and glycosylated proteins by parathyroid cells in culture. Morrissey JJ, et al.  
Biochem Biophys Res Commun 82(4):1279-86, 29 Jun 78  
A role for anion transport in the regulation of release from chromaffin granules and exocytosis from cells. Pollard HB, et al. J Supramol Struct 7(3-4):277-85, 1977

#### SURGERY

Glucose and lipoprotein metabolism in primary hyperparathyroidism. Effects of parathyroidectomy. Ljunghall S, et al. Acta Endocrinol (Copenh) 89(3):580-9, Nov 78  
Effect of parathyroid hormone on phosphate reabsorption in rat distal convolution. Pastoriza-Muñoz E, et al.  
Am J Physiol 235(4):F321-30, Oct 78  
The rationale against routine subtotal parathyroidectomy for primary hyperparathyroidism. Attie JN, et al.  
Am J Surg 136(4):437-44, Oct 78  
Renal insufficiency and hypercalcemia. Thier SO.  
Kidney Int 14(2):194-200, Aug 78  
Parathormone as a nerve poison in uremia [letter] Di Giulio S, et al. N Engl J Med 299(20):1134-5, 16 Nov 78  
Secondary hyperparathyroidism combined with uremia and giant cell containing tumor of the cervical spine. A case report. Ericsson M, et al. Scand J Urol Nephrol 12(2):185-7, 1978  
[Intraoperative identification of parathyroid glands with methylene blue (author's transl)] Anné T, et al.  
Acta Chir Belg 77(5):375-9, Sep-Oct 78 (Eng. Abstr.) (Dut)

- [Long-term administration of 1-alpha-hydroxycholecalciferol in the treatment of postoperative hypoparathyroidism] Morii K, et al. *Hormon To Rinsho* 26(8):787-94, Aug 78 (Jpn)  
[Treatment of primary hyperparathyroidism] Ohkawa T. *Nippon Rinsho Suppl*:1572-3, May 78 (Jpn)

## TRANSPLANTATION

- Recurrent hyperparathyroidism from an autotransplanted parathyroid adenoma. Brennan MF, et al. *N Engl J Med* 299(19):1057-9, 9 Nov 78



# PARATHYROID AND BONE

## II. Disorders of the Parathyroid Glands

### DIGEORGE SYNDROME

#### IMMUNOLOGY

Lymphotoxin (LT) production by lymphocytes from children with primary immunodeficiency disease. Prieur AM, et al. *Clin Immunol Immunopathol* 10(4):468-76, Aug 78  
Abnormalities in the regulation of human IgE synthesis. Buckley RH, et al. *Transplant Rev* (41):288-314, 1978 (50 ref.)

### HYPERPARATHYROIDISM

[Primary hyperparathyroidism] Fujita T. *Nippon Rinsho Suppl*:1570-1, May 78 (Jpn)

#### BLOOD

The rationale against routine subtotal parathyroidectomy for primary hyperparathyroidism. Attie JN, et al. *Am J Surg* 136(4):437-44, Oct 78  
Clinical applications and technical aspects of parathyroid hormone measurements. Bouillon R. *Ric Clin Lab* 8(1-2):75-86, Jan-Jun 78 (65 ref.)  
Serum parathormone in the identification and surgical management of hyperparathyroidism. Bradley EL III, et al. *South Med J* 71(10):1234-7, Oct 78  
[Detection of primary parathyroid hyperfunction in a case] Káldi N, et al. *Orv Hetil* 119(38):2323-6, 17 Sep 78 (Hun)

#### COMPLICATIONS

Post-ECT asterix associated with primary hyperparathyroidism. Dysken MW, et al. *Am J Psychiatry* 135(10):1237-8, Oct 78  
Hyperparathyroidism and coexisting diabetes mellitus. Altered carbohydrate metabolism. Akgun S, et al. *Arch Intern Med* 138(10):1500-2, Oct 78  
Hyperparathyroidism. Barsotti M. *Ariz Med* 35(9):591-3, Sep 78  
Transient metastatic calcification in primary hyperparathyroidism. Cooper RA, et al. *Aust NZ J Med* 8(3):285-7, Jun 78  
Hypercalciuria and recurrent urinary stone formation despite successful surgery for primary hyperparathyroidism. Muir JW, et al. *Br Med J* 2(6139):738-9, 9 Sep 78  
Concurrent hyperthyroidism and hyperparathyroidism: report of two cases. Males JL, et al. *J Okla State Med Assoc* 71(10):382-5, Oct 78  
Hyperparathyroidism vs arteriovenous fistula as cause of 'clubbing' [letter] Engbring NH. *JAMA* 240(20):2152, 10 Nov 78  
Renal insufficiency and hypercalcemia. Thier SO. *Kidney Int* 14(2):194-200, Aug 78  
Management of hypercalcaemic crisis [editorial] *Lancet* 2(8090):617-8, 16 Sep 78  
Intervertebral disc calcification in adults: a review. Weinberger A, et al. *Semin Arthritis Rheum* 8(1):69-75, Aug 78 (42 ref.)  
[Anesthesia-intensive care treatment of acute parathyroid crisis (apropos of 10 cases)] Jehanno C, et al. *Anesth Analg (Paris)* 35(2):339-50, Mar-Apr 78 (Fre)  
[Toxic forms of hypercalcemia caused by hyperparathyroidism] Proye C, et al. *Anesth Analg (Paris)* 35(2):333-8, Mar-Apr 78 (Fre)  
[Normocalcemic nephrolithiasis and primary hyperparathyroidism] Buser U, et al. *Helv Chir Acta* 45(3):263-6, Jul 78 (Eng. Abstr.) (Ger)  
[Clinical picture and diagnosis of primary hyperparathyroidism] Spelsberg F, et al. *Wien Med Wochenschr* 128(16):513-6, 1978 (Ger)  
[Removal of urinary calculi by means of drugs, instruments or surgery] Günther M. *Z Aertzt Fortbild (Jena)* 72(17):814-22, 1 Sep 78 (70 ref.) (Ger)  
[Detection of primary parathyroid hyperfunction in a case] Káldi N, et al. *Orv Hetil* 119(38):2323-6, 17 Sep 78 (Hun)

[Hyperparathyroidism and pancreatitis] Hara Y, et al. *Nippon Rinsho Suppl*:2228-9, May 78 (Jpn)

#### DIAGNOSIS

Post-ECT asterix associated with primary hyperparathyroidism. Dysken MW, et al. *Am J Psychiatry* 135(10):1237-8, Oct 78  
Hyperparathyroidism. Barsotti M. *Ariz Med* 35(9):591-3, Sep 78  
Parathyroid adenoma [letter] Blenkinsopp WK. *Br Med J* 2(6133):358, 29 Jul 78  
The continuing risk of vitamin-D intoxication. Davies M, et al. *Lancet* 2(8090):621-3, 16 Sep 78  
Serum parathormone in the identification and surgical management of hyperparathyroidism. Bradley EL III, et al. *South Med J* 71(10):1234-7, Oct 78  
[Clinical picture and diagnosis of primary hyperparathyroidism] Spelsberg F, et al. *Wien Med Wochenschr* 128(16):513-6, 1978 (Ger)  
[Detection of primary parathyroid hyperfunction in a case] Káldi N, et al. *Orv Hetil* 119(38):2323-6, 17 Sep 78 (Hun)

#### ETIOLOGY

Hyperparathyroidism after radiotherapy. Erkokac EU, et al. *Br Med J* 2(6133):327-8, 29 Jul 78  
Low-protein diets and bone disease in chronic renal failure. Fiaschi E, et al. *Kidney Int [Suppl]* (8):S79-82, Jun 78  
Recurrent hyperparathyroidism from an autotransplanted parathyroid adenoma. Brennan MF, et al. *N Engl J Med* 299(19):1057-9, 9 Nov 78  
Pseudohyperparathyroidism associated with perirectal adenocarcinomas in elderly female dogs. Rijnberk A, et al. *Tijdschr Diergeneeskd* 103(20):1069-75, 15 Oct 78  
[Considerations following an analysis of 240 records of parathyroid surgical intervention] Kaswin D, et al. *Anesth Analg (Paris)* 35(2):321-31, Mar-Apr 78 (Fre)  
[Current aspects of anesthesia-intensive care in surgery of hyperparathyroidism] Souron R, et al. *Anesth Analg (Paris)* 35(2):307-20, Mar-Apr 78 (Fre)  
[Parathyroid neoplasm associated with hyperparathyroidism] Klempa I, et al. *Chirurg* 49(8):509-13, Aug 78 (Eng. Abstr.) (Ger)  
[Diagnostic significance of the lamina dura in secondary hyperparathyroidism (author's transl)] Prager P, et al. *ROEFO* 129(2):237-40, Aug 78 (Eng. Abstr.) (Ger)

#### METABOLISM

Calcitonin activity of the thyroid gland in primary hyperparathyroidism. Broulik PD, et al. *Acta Endocrinol (Copenh)* 89(1):122-5, Sep 78  
Glucose and lipoprotein metabolism in primary hyperparathyroidism. Effects of parathyroidectomy. Ljunghall S, et al. *Acta Endocrinol (Copenh)* 89(3):580-9, Nov 78  
Hyperparathyroidism and coexisting diabetes mellitus. Altered carbohydrate metabolism. Akgun S, et al. *Arch Intern Med* 138(10):1500-2, Oct 78  
Calcium homeostasis: regulatory elements and their integration. Arnaud CD. *Fed Proc* 37(12):2557-60, Oct 78  
[Normocalcemic nephrolithiasis and primary hyperparathyroidism] Buser U, et al. *Helv Chir Acta* 45(3):263-6, Jul 78 (Eng. Abstr.) (Ger)

#### PATHOLOGY

The rationale against routine subtotal parathyroidectomy for primary hyperparathyroidism. Attie JN, et al. *Am J Surg* 136(4):437-44, Oct 78  
Initial evidence of primary hyperparathyroidism presenting in the mouth: a case report. Terezhalmay GT, et al. *J Oral Med* 33(1):4-8, Jan-Mar 78

#### PHYSIOPATHOLOGY

[Current aspects of anesthesia-intensive care in surgery of hyperparathyroidism] Souron R, et al. *Anesth Analg (Paris)* 35(2):307-20, Mar-Apr 78 (Fre)  
[Clinical picture and diagnosis of primary

hyperparathyroidism] Spelsberg F, et al.  
Wien Med Wochenschr 128(16):513-6, 1978 (Ger)

#### RADIOGRAPHY

[Diagnostic significance of the lamina dura in secondary hyperparathyroidism (author's transl)] Prager P, et al.  
ROEFO 129(2):237-40, Aug 78 (Eng. Abstr.) (Ger)  
[Primary hyperparathyroidism as differential diagnosis of severe skeletal destructions (author's transl)] Freyschmidt J, et al. Roentgenhlaetter 31(9):495-502, Sep 78 (Eng. Abstr.) (Ger)

#### SURGERY

Glucose and lipoprotein metabolism in primary hyperparathyroidism. Effects of parathyroidectomy. Ljunghall S, et al. Acta Endocrinol (Copenh) 89(3):580-9, Nov 78  
The rationale against routine subtotal parathyroidectomy for primary hyperparathyroidism. Attie JN, et al.  
Am J Surg 136(4):437-44, Oct 78  
Hypercalciuria and recurrent urinary stone formation despite successful surgery for primary hyperparathyroidism. Muir JW, et al. Br Med J 2(6139):738-9, 9 Sep 78  
Urologic surgery during pregnancy. Meares EM Jr.  
Clin Obstet Gynecol 21(3):907-20, Sep 78  
Serum parathormone in the identification and surgical management of hyperparathyroidism. Bradley EL III, et al.  
South Med J 71(10):1234-7, Oct 78  
[Intraoperative identification of parathyroid glands with methylene blue (author's transl)] Anné T, et al.  
Acta Chir Belg 77(5):375-9, Sep-Oct 78 (Eng. Abstr.) (Dut)  
[Anesthesia-intensive care treatment of acute parathyroid crisis (apropos of 10 cases)] Jehanno C, et al.  
Anesth Analg (Paris) 35(2):339-50, Mar-Apr 78 (Fre)  
[Considerations following an analysis of 240 records of parathyroid surgical intervention] Kaswin D, et al.  
Anesth Analg (Paris) 35(2):321-31, Mar-Apr 78 (Fre)  
[Current aspects of anesthesia-intensive care in surgery of hyperparathyroidism] Souron R, et al.  
Anesth Analg (Paris) 35(2):307-20, Mar-Apr 78 (Fre)  
[Treatment of primary hyperparathyroidism] Ohkawa T.  
Nippon Rinsho Suppl:1572-3, May 78 (Jpn)

#### URINE

[Renal calcium excretion in primary hyperparathyroidism and idiopathic hypercalciuria (author's transl)] Klöti J, et al.  
Klin Wochenschr 53(7):307-11, 1 Apr 75 (Ger)

#### VETERINARY

Pseudohyperparathyroidism associated with perirectal adenocarcinomas in elderly female dogs. Rijnberk A, et al.  
Tijdschr Diergeneeskd 103(20):1069-75, 15 Oct 78

### HYPERPARATHYROIDISM, SECONDARY

[Secondary hyperparathyroidism] Okamoto T, et al.  
Nippon Rinsho Suppl:1574-5, May 78 (Jpn)

#### COMPLICATIONS

Peri-articular calcification with fluid levels in secondary hyperparathyroidism. Smith FW, et al. Br J Radiol 51(609):741-2, Sep 78  
Secondary hyperparathyroidism combined with uremia and giant cell containing tumor of the cervical spine. A case report. Ericsson M, et al. Scand J Urol Nephrol 12(2):185-7, 1978  
[Diffuse osteosclerosis complicating hemodialysis] Silber N, et al. Harefuah 95(2):70-2, 16 Jul 78 (Eng. Abstr.) (Heb)

#### DRUG THERAPY

Effects of 1alpha-hydroxyvitamin D3 on serum calcium and immunoreactive parathyroid hormone in patients with chronic renal insufficiency. Pietrek J, et al.  
Int Urol Nephrol 10(2):153-60, 1978

#### ETIOLOGY

Skeletal resistance to the calcaemic action of parathyroid hormone in uraemia: a mechanism for the hypocalcaemia

and secondary hyperparathyroidism of chronic renal failure. Massry SG. Clin Endocrinol (Oxf) 5 Suppl:317S-325S, 1976  
Effects of 1alpha-hydroxyvitamin D3 on serum calcium and immunoreactive parathyroid hormone in patients with chronic renal insufficiency. Pietrek J, et al.  
Int Urol Nephrol 10(2):153-60, 1978  
Uremia: formulations and expectations. The trade-off hypothesis: current status. Bricker NS, et al.  
Kidney Int [Suppl] (8):S5-8, Jun 78

#### METABOLISM

Skeletal resistance to the calcaemic action of parathyroid hormone in uraemia: a mechanism for the hypocalcaemia and secondary hyperparathyroidism of chronic renal failure. Massry SG. Clin Endocrinol (Oxf) 5 Suppl:317S-325S, 1976

#### PATHOLOGY

Secondary hyperparathyroidism combined with uremia and giant cell containing tumor of the cervical spine. A case report. Ericsson M, et al. Scand J Urol Nephrol 12(2):185-7, 1978

#### PREVENTION & CONTROL

Low-protein diets and bone disease in chronic renal failure. Fiaschi E, et al. Kidney Int [Suppl] (8):S79-82, Jun 78

#### SURGERY

Parathormone as a nerve poison in uremia [letter] Di Giulio S, et al. N Engl J Med 299(20):1134-5, 16 Nov 78  
Secondary hyperparathyroidism combined with uremia and giant cell containing tumor of the cervical spine. A case report. Ericsson M, et al. Scand J Urol Nephrol 12(2):185-7, 1978  
[Anesthesia-intensive care treatment of acute parathyroid crisis (apropos of 10 cases)] Jehanno C, et al.  
Anesth Analg (Paris) 35(2):339-50, Mar-Apr 78 (Fre)  
[Considerations following an analysis of 240 records of parathyroid surgical intervention] Kaswin D, et al.  
Anesth Analg (Paris) 35(2):321-31, Mar-Apr 78 (Fre)  
[Current aspects of anesthesia-intensive care in surgery of hyperparathyroidism] Souron R, et al.  
Anesth Analg (Paris) 35(2):307-20, Mar-Apr 78 (Fre)

#### VETERINARY

Clinical aspects of nutritional secondary hyperparathyroidism in cage birds. Himmelstein S, et al. VM SAC 73(6):761-3, Jun 78

### HYPOPARATHYROIDISM

#### BLOOD

Interlaboratory comparison of radioimmunological parathyroid hormone determination. Eur J Clin Invest 8(3):149-54, Jun 78  
Chlorthalidone in hypoparathyroidism [letter] McCarron DA.  
N Engl J Med 299(16):900, 19 Oct 78  
Clinical applications and technical aspects of parathyroid hormone measurements. Bouillon R. Ric Clin Lab 8(1-2):75-86, Jan-Jun 78 (65 ref.)

#### COMPLICATIONS

[Malabsorption complication hypoparathyroidism in thalassemia major] Sharon P, et al. Harefuah 95(3-4):104-5, Aug 78 (Eng. Abstr.) (Heb)  
[A case of Thomsen's disease associated with hypoparathyroidism] Cordone G, et al. Minerva Pediatr 30(20):1629-34, 30 Oct 78 (Eng. Abstr.) (Ita)  
[Primary hypoparathyroidism and involvement of the peripheral nervous system] Calandre L, et al.  
Rev Clin Esp 149(6):597-600, 30 Jun 78 (Spa)

#### DRUG THERAPY

Treatment of hypoparathyroidism with 1,25-dihydroxycholecalciferol. Hill LF, et al.  
Clin Endocrinol (Oxf) 5 Suppl:167S-173S, 1976  
Chlorthalidone in hypoparathyroidism [letter] McCarron DA.  
N Engl J Med 299(16):900, 19 Oct 78  
[Long-term administration of 1-alpha-hydroxycholecalciferol in the treatment of postoperative hypoparathyroidism] Morii K, et al. Horumon To Rinsho 26(8):787-94, Aug 78 (Jpn)



- [Treatment of hypoparathyroidism] Tomita A.  
Nippon Rinsho Suppl:1576-7, May 78 (Jpn)  
[Treatment of postoperative hypoparathyroidism with  
1-alpha-hydroxycholecalciferol] Marinowska E, et al.  
Pol Arch Med Wewn 59(6):666-72, Jun 78 (Pol)

## ETIOLOGY

- [Pre- and postoperative medical treatment in total and subtotal  
thyroidectomies] Tamburrano G, et al. Ann Laringol  
75(5-6):365-72, Sep-Dec 76 (Ita)  
[Treatment of postoperative hypoparathyroidism with  
1-alpha-hydroxycholecalciferol] Marinowska E, et al.  
Pol Arch Med Wewn 59(6):666-72, Jun 78 (Pol)

## METABOLISM

- [Renal calcium excretion in primary hyperparathyroidism and  
idiopathic hypercalciuria (author's transl)] Klöti J, et al.  
Klin Wochenschr 53(7):307-11, 1 Apr 75 (Ger)

## PREVENTION & CONTROL

- [Pre- and postoperative medical treatment in total and subtotal  
thyroidectomies] Tamburrano G, et al. Ann Laringol  
75(5-6):365-72, Sep-Dec 76 (Ita)

## PARATHYROID GLANDS

### ABNORMALITIES

- [Pallido-dentate calcifications (apropos of 7 anatomo-clinical  
case reports)] Constantinidis J, et al.  
Schweiz Arch Neurol Neurochir Psychiatr 122(2):237-51,  
1978 (Eng. Abstr.) (Fre)  
[Sudden death syndrome in infants] Medvedev NIu.  
Arkhl Patol 40(9):79-85, 1978 (Eng. Abstr.) (Rus)

## PARATHYROID NEOPLASMS

- [Multiple endocrine neoplasia (type II)] Fujimoto Y, et al.  
Nippon Rinsho Suppl:1524-5, May 78 (Jpn)

### COMPLICATIONS

- [Considerations following an analysis of 240 records of  
parathyroid surgical intervention] Kaswin D, et al.  
Anesth Analg (Paris) 35(2):321-31, Mar-Apr 78 (Fre)  
[Parathyroid neoplasm associated with hyperparathyroidism]  
Klempa I, et al. Chirurg 49(8):509-13, Aug 78 (Eng. Abstr.)  
(Ger)  
[Parathyroid adenoma associated with nonmedullary  
carcinoma of the thyroid] Ophir M, et al. Harefuah  
95(2):74-5, 16 Jul 78 (Eng. Abstr.) (Heb)

### DIAGNOSIS

- Parathyroid adenoma [letter] Blenkinsopp WK. Br Med J  
2(6133):358, 29 Jul 78  
Serum parathormone in the identification and surgical  
management of hyperparathyroidism. Bradley EL III, et al.  
South Med J 71(10):1234-7, Oct 78  
[Parathyroid neoplasm associated with hyperparathyroidism]  
Klempa I, et al. Chirurg 49(8):509-13, Aug 78 (Eng. Abstr.)  
(Ger)

### ENZYMOLGY

- Hormone receptors and cyclic nucleotide metabolism in  
cancer cells. Martin TJ, et al. Clin Endocrinol (Oxf) 5  
Suppl:373S-386S, 1976 (57 ref.)

### METABOLISM

- Glucose and lipoprotein metabolism in primary  
hyperparathyroidism. Effects of parathyroidectomy.  
Ljunghall S, et al. Acta Endocrinol (Copenh) 89(3):580-9,  
Nov 78  
Hormone receptors and cyclic nucleotide metabolism in  
cancer cells. Martin TJ, et al. Clin Endocrinol (Oxf) 5  
Suppl:373S-386S, 1976 (57 ref.)

### PATHOLOGY

- Initial evidence of primary hyperparathyroidism presenting  
in the mouth: a case report. Terezhalmay GT, et al.

J Oral Med 33(1):4-8, Jan-Mar 78

- [Parathyroid neoplasm associated with hyperparathyroidism]  
Klempa I, et al. Chirurg 49(8):509-13, Aug 78 (Eng. Abstr.)  
(Ger)

- [Combination of parathyroid adenoma with adenomatosis of  
the thyroid and pancreas and polyposis of the stomach]  
Ignat'ev AS. Vestn Khir 121(8):89-90, Aug 78 (Rus)

### PHYSIOPATHOLOGY

- [Multiple endocrine adenomatosis] Wasylewski A.  
Pol Tyg Lek 33(36):1433-5, 4 Sep 78 (Pol)

### RADIOGRAPHY

- [Calcifying parathyroid adenoma of mediastinal localization,  
visible in thoracic radiography] Díaz Curiel M, et al.  
Rev Clin Esp 149(4):409-11, 31 May 78 (Spa)

### SURGERY

- Glucose and lipoprotein metabolism in primary  
hyperparathyroidism. Effects of parathyroidectomy.  
Ljunghall S, et al. Acta Endocrinol (Copenh) 89(3):580-9,  
Nov 78  
Recurrent hyperparathyroidism from an autotransplanted  
parathyroid adenoma. Brennan MF, et al.  
N Engl J Med 299(19):1057-9, 9 Nov 78  
[Intraoperative identification of parathyroid glands with  
methylene blue (author's transl)] Anné T, et al.  
Acta Chir Belg 77(5):375-9, Sep-Oct 78 (Eng. Abstr.)  
(Dut)  
[Considerations following an analysis of 240 records of  
parathyroid surgical intervention] Kaswin D, et al.  
Anesth Analg (Paris) 35(2):321-31, Mar-Apr 78 (Fre)  
[Parathyroid neoplasm associated with hyperparathyroidism]  
Klempa I, et al. Chirurg 49(8):509-13, Aug 78 (Eng. Abstr.)  
(Ger)

# PARATHYROID AND BONE

## III. Parathyroid Hormone

### PARATHYROID HORMONE

Modification of the arginines in parathyroid hormone: effect on biological activity. Rosenblatt M, et al. *Biochemistry* 17(16):3188-91, 8 Aug 78

#### ADMINISTRATION & DOSAGE

Androgen-parathormone primed phosphorus 32 for intractable pain in carcinoma of the prostate. pp. 251-6. Haynie TP, et al.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.

#### BIOSYNTHESIS

Chemistry and physiology of parathyroid hormone. Potts JT Jr. *Clin Endocrinol (Oxf)* 5 Suppl:307S-315S, 1976 (43 ref.)  
Parathyroid hormone biosynthesis: structure and function of biosynthetic precursors. Habener JF, et al. *Fed Proc* 37(12):2561-6, Oct 78  
Characterization and partial purification of parathyroid hormone messenger RNA. Stolarsky L, et al. *J Biol Chem* 253(20):7194-201, 25 Oct 78

#### BLOOD

Evolution of parathyroid hormone and calcitonin plasma levels during haemodialysis and following renal transplantation. Fuss M, et al. *Acta Clin Belg* 33(1):16-22, 1978  
First 24 hours of acute pancreatitis. A biochemical and endocrine evaluation of initial versus repeated attacks. Drew SI, et al. *Am J Gastroenterol* 70(1):66-72, Jul 78  
The rationale against routine subtotal parathyroidectomy for primary hyperparathyroidism. Attie JN, et al. *Am J Surg* 136(4):437-44, Oct 78  
Neonatal parathyroid secretion and renal receptor maturation in premature infants. Mallet E, et al. *Biol Neonate* 33(5-6):304-8, 1978  
Avascular necrosis of bone after renal transplantation: role of parathyroid hormone and vitamin D. Page CM, et al. *Br Med J* 2(6138):664-5, 2 Sep 78  
Reduced-volume radioimmunoassays for parathyrin and calcitonin in serum, for use in pediatric and small-animal studies. Heath H 3d, et al. *Clin Chem* 24(10):1833-5, Oct 78  
Skeletal resistance to the calcaemic action of parathyroid hormone in uraemia: a mechanism for the hypocalcaemia and secondary hyperparathyroidism of chronic renal failure. Massry SG. *Clin Endocrinol (Oxf)* 5 Suppl:317S-325S, 1976  
Interlaboratory comparison of radioimmunological parathyroid hormone determination. *Eur J Clin Invest* 8(3):149-54, Jun 78  
Parathyroid hormone and calcitonin secretion in uraemic infants. Zamboni G, et al. *Eur J Pediatr* 129(3):183-90, 12 Oct 78  
Role of parathyroid hormone in uremic toxicity. Massry SG, et al. *Kidney Int [Suppl]* (8):S39-42, Jun 78  
Parathormone as a nerve poison in uremia [letter] Di Giulio S, et al. *N Engl J Med* 299(20):1134-5, 16 Nov 78  
Chlorthalidone in hypoparathyroidism [letter] McCarron DA. *N Engl J Med* 299(16):900, 19 Oct 78  
Clinical applications and technical aspects of parathyroid hormone measurements. Bouillon R. *Ric Clin Lah* 8(1-2):75-86, Jan-Jun 78 (65 ref.)  
Serum parathormone in the identification and surgical management of hyperparathyroidism. Bradley EL III, et al. *South Med J* 71(10):1234-7, Oct 78  
[Relationship between gastric acid secretion and plasma calcium, parathormone and calcitonin levels in patients with chronic renal failure on haemodialysis (author's transl)] Beaugrand M, et al. *Nouv Presse Med* 7(30):2635-6, 16 Sep 78 (Eng. Abstr.) (Fre)  
[Hypercalcemia and biologically active parathyroid hormone] Milhaud G, et al. *Sem Hop Paris* 54(13-16):489-95, May 78 (Eng. Abstr.) (Fre)

#### DEFICIENCY

[Osteopetrosis in mice caused by ectomesenchymal lesions] Osipov VV, et al. *Ark Anat Gistol Emhriol* 75(8):36-42, Aug 78 (Eng. Abstr.) (Rus)

#### IMMUNOLOGY

Effects of 1alpha-hydroxyvitamin D3 on serum calcium and immunoreactive parathyroid hormone in patients with chronic renal insufficiency. Pietrek J, et al. *Int Urol Nephrol* 10(2):153-60, 1978  
Serum parathormone in the identification and surgical management of hyperparathyroidism. Bradley EL III, et al. *South Med J* 71(10):1234-7, Oct 78

#### METABOLISM

Pathogenesis of hypercalcemia in lymphosarcoma cell leukemia. Role of an osteoclast activating factor-like substance and a mechanism of action for glucocorticoid therapy. Mundy GR, et al. *Am J Med* 65(4):600-6, Oct 78  
Skeletal resistance to the calcaemic action of parathyroid hormone in uraemia: a mechanism for the hypocalcaemia and secondary hyperparathyroidism of chronic renal failure. Massry SG. *Clin Endocrinol (Oxf)* 5 Suppl:317S-325S, 1976  
Chemistry and physiology of parathyroid hormone. Potts JT Jr. *Clin Endocrinol (Oxf)* 5 Suppl:307S-315S, 1976 (43 ref.)  
Renal disease and disorders of calcium metabolism. Kanis JA. *Compr Ther* 4(8):44-50, Aug 78  
Effects of 1alpha-hydroxyvitamin D3 on serum calcium and immunoreactive parathyroid hormone in patients with chronic renal insufficiency. Pietrek J, et al. *Int Urol Nephrol* 10(2):153-60, 1978  
Uremia: formulations and expectations. The trade-off hypothesis: current status. Bricker NS, et al. *Kidney Int [Suppl]* (8):S5-8, Jun 78  
Clinical applications and technical aspects of parathyroid hormone measurements. Bouillon R. *Ric Clin Lah* 8(1-2):75-86, Jan-Jun 78 (65 ref.)

#### PHARMACODYNAMICS

The distribution of hormone-sensitive adenylate cyclase in rat kidney and the interaction of hormones in activating the enzyme. Nagata N, et al. *Acta Endocrinol (Copenh)* 89(2):404-16, Oct 78  
Effect of parathyroid hormone on phosphate reabsorption in rat distal convoluted. Pastoriza-Munoz E, et al. *Am J Physiol* 235(4):F321-30, Oct 78  
Calcium transport across segments of the rabbit distal nephron in vitro. Shareghi GR, et al. *Am J Physiol* 235(4):F367-75, Oct 78  
A cell strain cultured from porcine kidney increases cyclic AMP content upon exposure to calcitonin or vasopressin. Goldring SR, et al. *Biochem Biophys Res Commun* 83(2):434-40, 28 Jul 78  
Stimulation of guanylate cyclase activity in cultured osteogenic murine calvarial mesenchymal cells by PTH, calcitonin and insulin. Walling MW, et al. *Biochem Biophys Res Commun* 83(2):521-7, 28 Jul 78  
Modification of the arginines in parathyroid hormone: effect on biological activity. Rosenblatt M, et al. *Biochemistry* 17(16):3188-91, 8 Aug 78  
Restoration of the phosphaturic effect of parathyroid hormone in lithium-treated rats. Angielski S, et al. *Curr Probl Clin Biochem* 8:463-71, 23-26 Oct 77  
Different hormonal target sites along the mouse and rabbit nephrons. Chabardès D, et al. *Curr Probl Clin Biochem* 8:447-54, 23-26 Oct 77  
The effect of parathyroid hormone (PTH) and dietary phosphate on the sodium-dependent phosphate transport system located in the rat renal brush border membrane. Murer H, et al. *Curr Probl Clin Biochem* 8:455-62, 23-26 Oct 77  
45Ca uptake in tooth germs: effects of parathormone, calcitonin and propranolol. Gozariu L, et al. *Endocrinologie* 16(3):213-7, Jul-Sep 78  
The role of cyclic AMP in parathyroid hormone action in the toad bladder. Sellers BB Jr, et al. *J Membr Biol* 41(4):329-35, 18 Jul 78  
Resorbing bone is chemotactic for monocytes. Mundy GR,



- et al. *Nature* 275(5676):132-5, 14 Sep 78
- Development of parathyroid hormone- and calcitonin-activated adenylate cyclases in embryonic chicken limb and in cultured cells from embryonic chicken limb. Zull JE, et al. *Proc Natl Acad Sci USA* 75(8):3871-5, Aug 78
- [Study of cyclic AMP in rat tissue during the phase of hypocalcemic activity of parathyroid hormone] Marnay-Gulat C, et al. *C R Soc Biol (Paris)* 172(2):225-30, 1978 (Eng. Abstr.) (Fre)

## PHYSIOLOGY

- Acid-base regulation in pregnancy. Lim VS, et al. *Am J Physiol* 231(6):1764-70, Dec 76
- Regulation of vitamin D: an evolutionary view. MacIntyre I, et al. *Clin Endocrinol (Oxf)* 5 Suppl:85S-95S, 1976
- Skeletal resistance to the calcaemic action of parathyroid hormone in uraemia: a mechanism for the hypocalcaemia and secondary hyperparathyroidism of chronic renal failure. Massry SG. *Clin Endocrinol (Oxf)* 5 Suppl:317S-325S, 1976
- Chemistry and physiology of parathyroid hormone. Potts JT Jr. *Clin Endocrinol (Oxf)* 5 Suppl:307S-315S, 1976 (43 ref.)
- Calcium homeostasis: regulatory elements and their integration. Arnaud CD. *Fed Proc* 37(12):2557-60, Oct 78
- Role of parathyroid hormone in uremic toxicity. Massry SG, et al. *Kidney Int [Suppl]* (8):S39-42, Jun 78
- Hormonal regulation of membrane receptors and cell responsiveness: a review. Tell GP, et al. *Metabolism* 27(10):1566-92, Oct 78
- Parathormone as a nerve poison in uremia [letter] Di Giulio S, et al. *N Engl J Med* 299(20):1134-5, 16 Nov 78

## SECRETION

- The secretion of parathormone and glycosylated proteins by parathyroid cells in culture. Morrissey JJ, et al. *Biochem Biophys Res Commun* 82(4):1279-86, 29 Jun 78
- Neonatal parathyroid secretion and renal receptor maturation in premature infants. Mallet E, et al. *Biol Neonate* 33(5-6):304-8, 1978
- Parathyroid hormone and calcitonin secretion in uraemic infants. Zamboni G, et al. *Eur J Pediatr* 129(3):183-90, 12 Oct 78
- Parathyroid hormone biosynthesis: structure and function of biosynthetic precursors. Habener JF, et al. *Fed Proc* 37(12):2561-6, Oct 78
- Inhibitory effect of 25,26-dihydroxycholecalciferol on the rate of secretion of parathyroid hormone in goats. Care AD, et al. *J Endocrinol* 78(2):303-4, Aug 78
- A role for anion transport in the regulation of release from chromaffin granules and exocytosis from cells. Pollard HB, et al. *J Supramol Struct* 7(3-4):277-85, 1977
- [Parathyroid hormone and 25-hydroxycholecalciferol concentrations in the serum of patients with kidney transplantations and their radiological correlation] Kokot F, et al. *Z Gesamte Inn Med* 33(15):516-20, 1 Aug 78 (Eng. Abstr.) (Ger)

## THERAPEUTIC USE

- Historical development of 32P in bone therapy. pp. 237-49. Kaplan E.
- In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.
- New 32P compounds in therapy for bone lesions. pp. 257-60. O'Mara RE.
- In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.

# PARATHYROID AND BONE

## IV. Bone Metabolism and Related Topics

### BONE AND BONES

- Osseous choristoma of the choroid. Joffe L, et al. *Arch Ophthalmol* 96(10):1809-12, Oct 78
- Osseous choristoma of the choroid simulating a choroidal melanoma. Association with a positive 32P test. Williams AT, et al. *Arch Ophthalmol* 96(10):1874-7, Oct 78
- Inhibition of osteogenesis by bone mass in diffusion chamber cultures. Videman T, et al. *Exp Pathol (Jena)* 15(3):182-4, 1978
- A high-modulus polymer for porous orthopedic implants: biomechanical compatibility of porous implants. Spector M, et al. *J Biomed Mater Res* 12(5):665-77, Sep 78
- [Effect of exogenous bone rna on reparative processes in the ear after assanation operations] Filatov VF, et al. *Zh Ushn Nos Gorl Bolezn* (5):72-3, Sep-Oct 78 (Rus)

### ABNORMALITIES

- Skeletal abnormalities in domestic chicken. Grewal GS, et al. *Avian Dis* 22(3):519-21, Jul-Sep 78
- Gamma-ray-induced dominant mutations that cause skeletal abnormalities in mice. II. Description of proved mutations. Selby PB, et al. *Mutat Res* 51(2):199-236, Aug 78
- Type I congenital dyserythropoietic anaemia with myelopoietic abnormalities and hand malformations. Holmberg L, et al. *Scand J Haematol* 21(1):72-9, Jul 78
- Limb anomalies produced by 2,2'-dipyridyl in rats. Oohira A, et al. *Teratology* 18(1):63-70, Aug 78
- [Unilateral renal agenesis, combined with aorta duplex persistens and skeletal anomalies] Eibach E, et al. *ROEFO* 129(3):386-7, Sep 78 (Ger)
- [Genetic counseling in defect abnormalities of the extremities (proceedings)] Lenz W. *Z Orthop* 116(4):558-60, Aug 78 (Ger)

### ANALYSIS

- Structural role of bone apatite in human femoral compacta. Smith CB, et al. *Acta Orthop Scand* 49(5):440-4, Oct 78
- Physicochemical characterization and molecular organization of the collagen A and B chains. Rhodes RK, et al. *Biochemistry* 17(17):3442-8, 22 Aug 78
- The vitamin D3 metabolite-type activity of Solanum malacoxylon. Basudde CD, et al. *Clin Endocrinol (Oxf)* 5 Suppl:109S-119S, 1976
- Early retention of 237 Pu + 239 Pu in mature beagles. Lloyd RD, et al. *Health Phys* 35(2):211-5, Aug 78
- An investigation into possible methods of assessing the intake of calcium and phosphorus by grazing sheep. Belonje PC. *Onderstepoort J Vet Res* 45(1) Mar 78
- Kinetic parameters of calcium metabolism and femur morphometry in rats. II. Influence of ovariectomy and dietary calcium. Blanuša M, et al. *Pfluegers Arch* 375(3):239-44, Aug 78
- Photon absorptiometry of soft tissue and fluid content: the method and its precision and accuracy. Witt RM, et al. *Phys Med Biol* 23(4):620-9, Jul 78
- Antibiotics in bone tissues. Methodological and practical aspects. Dornbusch K. *Scand J Infect Dis [Suppl]* (14):177-85, 1978
- [Iron and zinc content in various organs of rats suffering from manganese deficiency] Heiseke D, et al. *Zentralbl Veterinärmed [A]* 25(4):307-11, May 78 (Eng. Abstr.) (Ger)
- [Fundamental and clinical studies on the measurement of bone mineral content with bone mineral analyzer (author's transl)] Kousaka T, et al. *Kaku Igaku* 15(4):533-43, Jun 78 (Eng. Abstr.) (Jpn)
- [Calcium content in bones of rats treated with hydrazide and rifampin] Araszkievicz Z, et al. *Pneumonol Pol* 46(9):675-9, Sep 78 (Eng. Abstr.) (Pol)
- [Comparative study of the biological activity and toxic effect of 1alpha-hydroxycholecalciferol and ergocalciferol in rats] Spirichev VB, et al. *Vopr Med Khim* 24(5):679-90, Sep-Oct 78 (Eng. Abstr.) (Rus)

### ANATOMY & HISTOLOGY

- Positional relationships of structures attached to long bones

- during growth. Cross-sectional studies. Grant PG, et al. *Acta Anat (Basel)* 102(4):378-84, 1978
- Sexual dimorphism of skeletal robusticity in several mammalian orders. Riesenfeld A. *Acta Anat (Basel)* 102(4):392-8, 1978
- Torsional strength and geometry of diaphyseal bone. An experimental study on dogs. Netz P, et al. *Acta Orthop Scand* 49(5):430-4, Oct 78
- Sexual differentiation in the innominate bone studied by multivariate analysis. Day MH, et al. *Ann Hum Biol* 2(2):143-51, Apr 75
- Optimum photon energies for the measurement of bone mineral and fat fractions. Bolin FP, et al. *Br J Radiol* 51(609):750, Sep 78
- Muscles and bones of large and small mice compared at equal body weights. Hooper AC. *J Anat* 127(1):117-23, Sep 78
- Effect of pre-natal runtting on the post-natal development of skeletal muscles in swine and rats. Hegarty PV, et al. *J Anim Sci* 46(6):1634-40, Jun 78
- Anisotropic analysis of strain rosette information from cortical bone. Carter DR. *J Biomech* 11(4):199-202, 1978
- Relations between torsion properties and histology of adult human compact bone. Evans FG. *J Biomech* 11(4):157-65, 1978
- Some interrelations between the density of the Haversian canals and the area occupied by these in the diaphyseal compact bone in man. Albu I, et al. *Morphol Embryol (Bucur)* 24(3):191-5, Jul-Sep 78
- Kinetic parameters of calcium metabolism and femur morphometry in rats. II. Influence of ovariectomy and dietary calcium. Blanuša M, et al. *Pfluegers Arch* 375(3):239-44, Aug 78
- Kinetic parameters of calcium metabolism and femur morphometry in rats. I. Influence of sex and age. Blanuša M, et al. *Pfluegers Arch* 375(3):233-8, Aug 78
- Sexing of Bedouin skeletons from Israel. Kobylansky E, et al. *Z Morphol Anthropol* 69(2):205-8, 1978
- [Evaluation of skeletal properties with ultrasonics. I. Clinical and experimental design] Gramlich B, et al. *Z Exp Chir* 11(4):258-61, 4 Aug 78 (Eng. Abstr.) (Ger)
- [Evaluation of skeletal properties with ultrasonics. II. Parameters in bone echography] Gramlich B, et al. *Z Exp Chir* 11(4):262-7, 4 Aug 78 (Eng. Abstr.) (Ger)
- [Dysplastic changes in the skull of a pre-Columbian Mimbres-Indian from New Mexico] Schultz M. *Z Morphol Anthropol* 69(1):43-56, 1978 (Eng. Abstr.) (Ger)

### BLOOD SUPPLY

- Intracardial arteriographic study on vascular changes in amputated rabbits. Hansen-Leth C, et al. *Acta Orthop Scand* 49(5):457-63, Oct 78
- Methods of preparation of fossil bone samples for light and transmission electron microscopy. Pawlicki R. *Stain Technol* 53(2):95-102, Mar 78
- [The development of osteoporosis. A new concept] Krokowski E, et al. *Med Welt* 29(38):1483-90, 22 Sep 78 (Ger)

### CYTOLOGY

- Studies on the mechanism of reduction of prolyl hydroxylase activity by D,L-3,4 dehydroproline. Nolan JC, et al. *Arch Biochem Biophys* 189(2):448-53, Aug 78
- Inhibition of osteogenesis by bone mass in diffusion chamber cultures. Videman T, et al. *Exp Pathol (Jena)* 15(3):182-4, 1978
- Incorporation of purines and purine precursors into the nucleotide pool of isolated bone cells. Carnes DL Jr, et al. *Int J Biochem* 9(7):517-21, 1978

### DRUG EFFECTS

- The action of vitamin D on bone. Edelstein S, et al. *Clin Endocrinol (Oxf)* 5 Suppl:145S-150S, 1976
- Restraint in use of high-dose fluorides to treat skeletal disorders [editorial] Marx SJ. *JAMA* 240(15):1630-1, 6 Oct 78
- The BSA method of calculating pediatric drug dosages. Campbell J. *MCN* 3(6):357-60, Nov-Dec 78
- [Morphometric studies of the bone tissue in the rat following



- administration of hydrazide, ethionamide and streptomycin] Araszkiewicz Z, et al. *Pol Arch Med Wewn* 59(6):597-601, Jun 78 (Eng. Abstr.) (Pol)
- [Effects of chlorfenwinfos and carbaryl on calcium and phosphorus metabolism in rat bones. III. Mechanical aspects of the effect of chlorfenwinfos on the mineral metabolism of bones] Garszel J, et al. *Rocz Panstw Zakl Hig* 29(3):249-54, 1978 (Eng. Abstr.) (Pol)
- [Comparative study of the biological activity and toxic effect of 1 $\alpha$ -hydroxycholecalciferol and ergocalciferol in rats] Spirichev VB, et al. *Vopr Med Khim* 24(5):679-90, Sep-Oct 78 (Eng. Abstr.) (Rus)

## EMBRYOLOGY

- Development of parathyroid hormone- and calcitonin-activated adenylate cyclases in embryonic chicken limb and in cultured cells from embryonic chicken limb. Zull JE, et al. *Proc Natl Acad Sci USA* 75(8):3871-5, Aug 78

## ENZYMOLGY

- Contribution to the knowledge of the fine structure of chondrosarcoma of bone. With a note on the localization of alkaline phosphatase and 'ATPase'. Aparisi T, et al. *Acta Pathol Microbiol Scand [A]* 86(2):157-67, Mar 78
- Diagnostic evaluation of canine serum alkaline phosphatase by immunochemical means and interpretation of results. Saini PK, et al. *Am J Vet Res* 39(9):1514-8, Sep 78
- Origin of serum alkaline phosphatase in the dog. Saini PK, et al. *Am J Vet Res* 39(9):1510-3, Sep 78
- Stimulation of guanylate cyclase activity in cultured osteogenic murine calvarial mesenchymal cells by PTH, calcitonin and insulin. Walling MW, et al.
- Biochem Biophys Res Commun* 83(2):521-7, 28 Jul 78
- Differentiation between liver and bone as the source of raised serum alkaline phosphatase—a rule of thumb. Davidson DF, et al. *Med Lab Sci* 35(3):259-63, Jul 78
- Developmental change in human intestinal alkaline phosphatase. Mulivor RA, et al.
- Proc Natl Acad Sci USA* 75(8):3909-12, Aug 78
- Development of parathyroid hormone- and calcitonin-activated adenylate cyclases in embryonic chicken limb and in cultured cells from embryonic chicken limb. Zull JE, et al. *Proc Natl Acad Sci USA* 75(8):3871-5, Aug 78

## INJURIES

- [Bone scanning as a diagnostic tool in bone traumatology (editorial)] Ganel A, et al. *Harefuah* 94(10):340-1, 15 May 78 (Heb)
- [Classification of multiple injuries of the musculoskeletal system] Ivanov VI, et al. *Ortop Travmatol Protez* (8):46-52, Aug 78 (Eng. Abstr.) (Rus)
- [Clinical x-ray diagnosis of the depth of necrosis in 4th degree burns] Buglaev AI, et al. *Vestn Khir* 121(9):65-70, Sep 78 (Eng. Abstr.) (Rus)

## METABOLISM

- Bone mineral loss during maintenance hemodialysis. Rickers H, et al. *Acta Med Scand* 204(4):263-7, 1978
- Physical properties of fluorosis bone. Critical comments. Lindahl O, et al. *Acta Orthop Scand* 49(4):382-3, Aug 78
- Effect of graded doses of cortisol on total body calcium in rats. Yasumura S, et al. *Am J Physiol* 231(6):1760-3, Dec 76
- Calcium transport in bone and intestinal cells. Bronner F, et al. *Ann NY Acad Sci* 307:440-1, 28 Apr 78
- Prostaglandins and chronic inflammation. Bonta IL, et al. *Biochem Pharmacol* 27(12):1611-23, 1978 (160 ref.)
- Procollagen complementary DNA, a probe for messenger RNA purification and the number of type I collagen genes. Frischauf AM, et al. *Biochemistry* 17(16):3243-9, 8 Aug 78
- Distribution of gamma-carboxyglutamic acid in calcified tissues. King K Jr. *Biochim Biophys Acta* 542(3):542-6, 6 Sep 78
- Recent advances in our understanding of the metabolism of vitamin D and its regulation. DeLuca HF.
- Clin Endocrinol (Oxf)* 5 Suppl:97S-108S, 1976
- The action of vitamin D on bone. Edelstein S, et al.
- Clin Endocrinol (Oxf)* 5 Suppl:145S-150S, 1976
- Skeletal resistance to the calcaemic action of parathyroid hormone in uraemia: a mechanism for the hypocalcaemia and secondary hyperparathyroidism of chronic renal failure. Massry SG. *Clin Endocrinol (Oxf)* 5 Suppl:317S-325S, 1976
- The chemistry and conformational and biological analysis of vitamin D3, its metabolites and analogues. Norman AW,

- et al. *Clin Endocrinol (Oxf)* 5 Suppl:121S-143S, 1976 (30 ref.)
- Calcium homeostasis: regulatory elements and their integration. Arnaud CD. *Fed Proc* 37(12):2557-60, Oct 78
- Properties and biosynthesis of a vitamin K-dependent calcium binding protein in bone. Lian JB, et al. *Fed Proc* 37(12):2615-20, Oct 78
- Incorporation of purines and purine precursors into the nucleotide pool of isolated bone cells. Carnes DL Jr, et al. *Int J Biochem* 9(7):517-21, 1978
- Vitamin D status of elderly at home and institutionalised in hospital. Vir SC, et al. *Int J Vitam Nutr Res* 48(2):123-30, 1978
- The vitamin K-dependent synthesis of gamma-carboxyglutamic acid by bone microsomes. Lian JB, et al. *J Biol Chem* 253(19):6623-6, 10 Oct 78
- Numerical assessment of bone scintigraphy in primary bone tumors and tumor-like conditions. Sneppen O, et al.
- J Bone Joint Surg [Am]* 60(7):966-9, Oct 78
- Bone changes induced by diphenylhydantoin in chicks on a controlled vitamin D intake. Villareale ME, et al.
- J Bone Joint Surg [Am]* 60(7):911-6, Oct 78
- Flucloxacillin in bone. Unsworth PF, et al. *J Clin Pathol* 31(8):705-11, Aug 78
- Uptake of Tc-99m monophosphate complexes in bone and myocardial necrosis in animals. Kung HF, et al.
- J Nucl Med* 19(9):1027-31, Sep 78
- Critical analysis of methods for analysing human calcium kinetics. Jung A, et al. *J Theor Biol* 73(1):131-57, 6 Jul 78
- Poorly mineralized osteoid bone and its staining in paraffin sections. Ráliš HM, et al. *Med Lab Sci* 35(3):293-303, Jul 78
- Kinetic parameters of calcium metabolism and femur morphometry in rats. II. Influence of ovariectomy and dietary calcium. Blanuša M, et al. *Pfluegers Arch* 375(3):239-44, Aug 78
- Stimulation of prostaglandin production in bone by phorbol diesters and melittin. Tashjian AH Jr, et al.
- Prostaglandins* 16(2):221-32, Aug 78
- 99mTc-pyrophosphate kinetics in man (relationship between bone uptake and mineral content). D'Addabbo A, et al.
- Ric Clin Lab* 8(1-2):100-11, Jan-Jun 78
- Antibiotics in bone tissues. Methodological and practical aspects. Dornbusch K. *Scand J Infect Dis [Suppl]* (14):177-85, 1978
- Fibrodysplasia ossificans progressiva. Biochemical changes in blood serum, urine, skin, bone, and ectopic ossification. Blumenkrantz N, et al. *Scand J Rheumatol* 7(2):85-9, 1978
- Vitamin D3-induced calcium binding protein in bone tissue. Christakos S, et al. *Science* 202(4363):70-1, 6 Oct 78
- Biochemistry and physiology of magnesium. Aikawa JK.
- World Rev Nutr Diet* 28:112-42, 1978 (141 ref.)
- Bone growth and development in protein-calorie malnutrition. Himes JH. *World Rev Nutr Diet* 28:143-87, 1978 (264 ref.)
- [Morphometric studies of the bone tissue in the rat following administration of hydrazide, ethionamide and streptomycin] Araszkiewicz Z, et al. *Pol Arch Med Wewn* 59(6):597-601, Jun 78 (Eng. Abstr.) (Pol)
- [Effects of chlorfenwinfos and carbaryl on calcium and phosphorus metabolism in rat bones. III. Mechanical aspects of the effect of chlorfenwinfos on the mineral metabolism of bones] Garszel J, et al. *Rocz Panstw Zakl Hig* 29(3):249-54, 1978 (Eng. Abstr.) (Pol)
- [Influence of experimental hypothyroidism on C-14-labeled proline incorporation in dental and bone tissues] Cocirlă E, et al. *Rev Chir [Stomatol]* 25(3):161-4, Jul-Sep 78 (Eng. Abstr.) (Rum)

## PATHOLOGY

- Atrophy of cortical bone caused by rigid internal fixation plates. An experimental study in the dog. Strömberg L, et al. *Acta Orthop Scand* 49(5):448-56, Oct 78
- Histiocytosis X. II. Histologic appearance correlated to prognosis and extent of disease. Frederiksen P, et al.
- Acta Radiol Oncol Radiat Phys Biol* 17(1):10-6, 1978
- Needle aspiration biopsy in the diagnosis of lytic bone lesions in histiocytosis X, Ewing's sarcoma and neuroblastoma. Thommesen P, et al.
- Acta Radiol Oncol Radiat Phys Biol* 17(2):145-9, 1978
- Age changes in collagen characteristics of bone and skin of a short-lived species of reptile. Panigrahy GK, et al.
- Age Ageing* 7(3):161-4, Aug 78
- Hereditary osteodysplasia with acro-osteolysis. (The Hajdu-Cheney syndrome). Elias AN, et al. *Am J Med* 65(4):627-36, Oct 78
- Telangiectasia macularis perstans. Allen BR.
- Br J Dermatol* 99(Suppl 16):28-9, Jul 78
- Poikiloderma congenitale (Thomson-Rothmund syndrome). Cheesbrough MJ. *Br J Dermatol* 99(Suppl 16):66-7, Jul 78

- Mucin embolism to cerebral arteries: a fatal complication of carcinoma of the breast. Deck JH, et al. *Can J Neurol Sci* 5(3):327-30, Aug 78
- An unusual case of dense bones. Smith J, et al. *Clin Bull* 7(1):40-1, 1977
- Chondroectodermal dysplasia (Ellis-van Creveld syndrome) with dysplasia of renal medulla and bile ducts. Böhm N, et al. *Histopathology* 2(4):267-81, Jul 78
- Historical development of 32P in bone therapy. pp. 237-49. Kaplan E.
- In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.
- Bone changes induced by diphenylhydantoin in chicks on a controlled vitamin D intake. Villareale ME, et al. *J Bone Joint Surg [Am]* 60(7):911-6, Oct 78
- Complications of leprosy. Karat AB. *Lepr India* 50(3):405-13, Jul 78
- Poorly mineralized osteoid bone and its staining in paraffin sections. Ráliš HM, et al. *Med Lab Sci* 35(3):293-303, Jul 78
- Mycetomas in goats. Gumaa SA, et al. *Sabouraudia* 16(3):217-23, Sep 78
- Bone growth and development in protein-calorie malnutrition. Himes JH. *World Rev Nutr Diet* 28:143-87, 1978 (264 ref.)
- [Changes of bone tissue in rats during lactation (author's transl)] Rožčová L. *Sb Lek* 80(10):303-9, Oct 78 (Eng. Abstr.) (Cze)
- [Clinico-pathological conference LIV. Pronounced eosinophilia, pleural tumor, skeletal changes and paraplegia] Pasanen A. *Duodecim* 94(19):1202-11, 1978 (Fin)
- [A case of idiopathic sclerosis of the spongiosa] Filchner R. *Verh Dtsch Ges Rheumatol* 5:419-25, 1978 (Ger)
- [Evaluation of skeletal properties with ultrasonics. I. Clinical and experimental design] Gramlich B, et al. *Z Exp Chir* 11(4):258-61, 4 Aug 78 (Eng. Abstr.) (Ger)
- [How important is the blood supply in the etiology of arthrosis?] Walker N, et al. *Z Orthop* 116(4):434-5, Aug 78 (Ger)
- [Bone lesions in Kaposi's angiogenous reticulosis] Jaimovich L, et al. *Med Cutan Iber Lat Am* 5(3):205-11, 1977 (Eng. Abstr.) (Spa)

## PHYSIOLOGY

- Torsional strength and geometry of diaphyseal bone. An experimental study on dogs. Netz P, et al. *Acta Orthop Scand* 49(5):430-4, Oct 78
- Structural role of bone apatite in human femoral compacta. Smith CB, et al. *Acta Orthop Scand* 49(5):440-4, Oct 78
- Abstracts of the 1st annual meeting of the American Society of Biomechanics. *J Biomech* 11(4):209-15, 1978
- Anisotropic analysis of strain rosette information from cortical bone. Carter DR. *J Biomech* 11(4):199-202, 1978
- Relations between torsion properties and histology of adult human compact bone. Evans FG. *J Biomech* 11(4):157-65, 1978
- [Possibilities and limits of electrodynamic therapy in pseudarthroses] Lechner F, et al. *Med Klin* 73(36):1238-45, 8 Sep 78 (25 ref.) (Ger)
- [Evaluation of skeletal properties with ultrasonics. I. Clinical and experimental design] Gramlich B, et al. *Z Exp Chir* 11(4):258-61, 4 Aug 78 (Eng. Abstr.) (Ger)
- [Evaluation of skeletal properties with ultrasonics. II. Parameters in bone echography] Gramlich B, et al. *Z Exp Chir* 11(4):262-7, 4 Aug 78 (Eng. Abstr.) (Ger)
- [Use of harmonic oscillations in the study of bone properties] Traina GC, et al. *Chir Organi Mov* 64(1):59-63, 1978 (Eng. Abstr.) (Ita)

## PHYSIOPATHOLOGY

- Physical properties of fluorosis bone. Critical comments. Lindahl O, et al. *Acta Orthop Scand* 49(4):382-3, Aug 78

## RADIATION EFFECTS

- Dental management of the irradiated patient. Beumer J 3d, et al. *Int J Oral Surg* 7(3):208-20, Jun 78
- [Pathological fractures and radiotherapy] Regnier R. *Acta Orthop Belg* 44(3):455-8, May-Jun 78 (Fre)
- [Present state of the wide-field megavoltage radiotherapy of Hodgkin's disease. Fundamentals, performance, side effects (author's transl)] Wannenmacher M, et al. *Radiologie* 18(10):371-87, Oct 78 (Eng. Abstr.) (Ger)

## RADIOGRAPHY

- Atrophy of cortical bone caused by rigid internal fixation plates. An experimental study in the dog. Strömberg L, et al. *Acta Orthop Scand* 49(5):448-56, Oct 78

- Unusual presentation of multiple myeloma: a clinical and biological study of one case. Mauri C, et al. *Haematologica (Pavia)* 63(4):478-87, Aug 78
- Towards a reduction in error in the radiological measurement of growth in long leg bones of children. Hassanein OR, et al. *IEEE Trans Biomed Eng* 25(4):384-7, Jul 78
- The spine in osteogenesis imperfecta. Benson DR, et al. *J Bone Joint Surg [Am]* 60(7):925-9, Oct 78
- Bone changes induced by diphenylhydantoin in chicks on a controlled vitamin D intake. Villareale ME, et al. *J Bone Joint Surg [Am]* 60(7):911-6, Oct 78
- Roentgenographic identification of human remains. Atkins L, et al. *JAMA* 240(21):2307-8, 17 Nov 78
- Type I congenital dyserythropoietic anaemia with myelopoietic abnormalities and hand malformations. Holmberg L, et al. *Scand J Haematol* 21(1):72-9, Jul 78
- [Radiological changes in bones, joints and muscles accompanying the myopathias (author's transl)] Bumbaširević Z. *Acta Chir Orthop Traumatol Cech* 45(4):289-93, Aug 78 (Eng. Abstr.) (Cze)
- [Xeroradiography of bones (author's transl)] Sehr A, et al. *Cesk Radiol* 32(4):247-51, Jul 78 (Eng. Abstr.) (Cze)
- [Whole body computerized axial tomography] Claessens J. *Bruux Med* 58(8):411-7, Aug 78 (Fre)
- [Computer application in roentgen stereophotogrammetry in orthopedic problem formulation] Probst KJ, et al. *Methods Inf Med [Suppl]* 11:564-80, 1978 (Ger)
- [Bone lesions in Kaposi's angiogenous reticulosis] Jaimovich L, et al. *Med Cutan Iber Lat Am* 5(3):205-11, 1977 (Eng. Abstr.) (Spa)

## RADIONUCLIDE IMAGING

- Radioisotope scanning in the initial staging of bronchogenic carcinoma. Hooper RG, et al. *Am Rev Respir Dis* 118(2):279-86, Aug 78
- Imaging: radioisotope imaging of bone. Ell PJ, et al. *Br J Hosp Med* 20(2):149-54, Aug 78
- Alteration of body distribution of 99mTc-pyrophosphate by radiographic contrast material. Crawford JA, et al. *Clin Nucl Med* 3(8):305-7, Aug 78
- The use of computed tomography data for radiotherapy dose calculations. Kijewski PK, et al. *Int J Radiat Oncol Biol Phys* 4(5-6):429-35, May-Jun 78
- Uses of bone scanning in podiatric medicine. Clark WD, et al. *J Am Podiatry Assoc* 68(9):621-30, Sep 78
- Demonstration of pulmonary calcinosis by 99mTc diphosphonate bone scanning. Suzuki Y, et al. *Nippon Igaku Hoshasen Gakkai Zasshi* 38(6):556-9, 25 Jun 78
- Serial bone scintigraphy for assessing the effectiveness of treatment of osseous metastases from prostatic cancer. Langhammer H, et al. *Nuklearmedizin* 17(3):87-91, Jul 78
- Nuclear medicine in otolaryngological diagnosis. Greyson ND, et al. *Otolaryngol Clin North Am* 11(2):541-60, Jun 78
- 99mTc-pyrophosphate kinetics in man (relationship between bone uptake and mineral content). D'Addabbo A, et al. *Ric Clin Lab* 8(1-2):100-11, Jan-Jun 78
- Unifocal bone findings by scintigraphy. Clinical significance in patients with known primary cancer. Rappaport AH, et al. *West J Med* 129(3):188-92, Sep 78
- [Possibilities and limits of bone scintigraphy] Börner W. *Z Orthop* 116(4):489-93, Aug 78 (Ger)
- [Bone scanning as a diagnostic tool in bone traumatology (editorial)] Ganel A, et al. *Harefuah* 94(10):340-1, 15 May 78 (Heb)
- [99mTc-diphosphonate bone scanning in 10 patients with multiple myeloma (author's transl)] Koizumi K, et al. *Kaku Igaku* 15(4):553-9, Jun 78 (Eng. Abstr.) (Jpn)
- [Bone scintigraphy with Tc-99m methylene diphosphonate: a comparison with ethane-hydroxy-diphosphonate (author's transl)] Nakano S, et al. *Kaku Igaku* 15(4):587-90, Jun 78 (Jpn)
- [Observation on 99mTc-diphosphonate scintigram in soft part tumors adjacent to bone (author's transl)] Okuyama T, et al. *Kaku Igaku* 15(4):569-76, Jun 78 (Eng. Abstr.) (Jpn)
- [Bone metastases from breast cancer as detected by bone scintigraphy with 99mTc-phosphorus compounds (author's transl)] Fujimura N. *Nippon Igaku Hoshasen Gakkai Zasshi* 38(5):449-56, 25 May 78 (Eng. Abstr.) (Jpn)
- [Bone scintigraphy of fibrous dysplasia (author's transl)] Ichiya Y, et al. *Rinsho Hoshasen* 23(8):899-900, Aug 78 (Jpn)
- [Clinical use of 99mTc-methylene diphosphonate (MDP) as bone imaging agent (author's transl)] Senda K, et al. *Rinsho Hoshasen* 23(9):937-42, Sep 78 (Eng. Abstr.) (Jpn)



## SURGERY

- Method of bone fixation in reattachment of amputations in the upper extremities. Ikuta Y. *Clin Orthop* (133):169-78, Jun 78
- Stabilization of bone in replantation surgery of the upper limb. Meuli HC, et al. *Clin Orthop* (133):179-83, Jun 78
- Techniques of bone fixation and clinical experience in replanted extremities. Tupper JW. *Clin Orthop* (133):165-8, Jun 78
- Antibiotic-acrylic bone cement composites. Studies of gentamicin and Palacos. Schurman DJ, et al. *J Bone Joint Surg [Am]* 60(7):978-84, Oct 78
- Intraosseous wiring of the digital skeleton. Lister G. *J Hand Surg* 3(5):427-35, Sep 78
- A new absorbable haemostatic bone sealant. Harris P, et al. *J R Coll Surg Edinh* 23(5):285-91, Sep 78
- Antibiotics in bone tissues. Methodological and practical aspects. Dornbusch K. *Scand J Infect Dis [Suppl]* (14):177-85, 1978
- [Use of bone cement in the surgical treatment of bone tumors (proceedings)] Mandi A, et al. *Z Orthop* 116(4):532, Aug 78 (Ger)

## ULTRASTRUCTURE

- Contribution to the knowledge of the fine structure of chondrosarcoma of bone. With a note on the localization of alkaline phosphatase and 'ATPase'. Aparisi T, et al. *Acta Pathol Microbiol Scand [A]* 86(2):157-67, Mar 78
- A method for the removal of epoxy resins from tissue in preparation for scanning electron microscopy. Steffens WL. *J Microsc* 113(1):95-9, May 78

## CALCIFICATION, PHYSIOLOGIC

- Distribution of gamma-carboxyglutamic acid in calcified tissues. King K Jr. *Biochim Biophys Acta* 542(3):542-6, 6 Sep 78
- Intercellular attachments between calcified collagenous tissue forming cells in the rat. Boyde A, et al. *Cell Tissue Res* 191(3):507-12, 16 Aug 78
- Calcification of the collagenous axial skeleton of *Veretillum cymnorum* pall. (Cnidaria: Pennatulacea). Ledger PW, et al. *Cell Tissue Res* 192(2):249-66, 5 Sep 78
- Properties and biosynthesis of a vitamin K-dependent calcium binding protein in bone. Lian JB, et al. *Fed Proc* 37(12):2615-20, Oct 78
- In vitro calcification of human and rabbit bone matrix by physical and chemical methods. Tuli SM. *Indian J Med Res* 68:164-8, Jul 78
- Phospholipids of a bone matrix calcification nucleator. Ennever J, et al. *J Dent Res* 57(5-6):731-4, May-Jun 78
- Ca<sup>2+</sup> transport by chondrocyte mitochondria of the epiphyseal growth plate. Lee NH, et al. *J Membr Biol* 41(4):349-60, 18 Jul 78 (43 ref.)
- Critical analysis of methods for analysing human calcium kinetics. Jung A, et al. *J Theor Biol* 73(1):131-57, 6 Jul 78
- Calcification of isolated matrix vesicles and reconstituted vesicles from fetal bovine cartilage. Hsu HH, et al. *Proc Natl Acad Sci USA* 75(8):3805-8, Aug 78
- Functional properties of cartilage proteoglycans. Greenwald RA, et al. *Semin Arthritis Rheum* 8(1):53-67, Aug 78 (93 ref.)
- Bone growth and development in protein-calorie malnutrition. Himes JH. *World Rev Nutr Diet* 28:143-87, 1978 (264 ref.)
- An epidemiological and biochemical study on osteomalacia among pregnant women in Egypt. Abd-el-Fattah M, et al. *Z Ernahrungswiss* 17(3):140-4, Sep 78

## DRUG EFFECTS

- The inhibitory effect of new diphosphonic acids on aortic and kidney calcification in vivo. Potokar M, et al. *Atherosclerosis* 30(4):313-20, Aug 78

## CALCITONIN

### ADMINISTRATION & DOSAGE

- Salmon calcitonin in the acute treatment of moderate and severe hypercalcemia in man. Nilsson O, et al. *Acta Med Scand* 204(4):249-52, 1978

## ANALOGS & DERIVATIVES

- Analogues of human calcitonin. IV. Influence of leucine substitutions in positions 12, 16 and 19 on hypocalcaemic activity in the rat. Maier R, et al. *Clin Endocrinol (Oxf)* 5 Suppl:327S-332S, 1976

## ANALYSIS

- Hypercalcitoninism and C-cell hyperplasia in rats with goiters produced by a low iodine diet or propylthiouracil. Peng TC, et al. *J Pharmacol Exp Ther* 206(3):710-17, Sep 78
- Immunoreactive calcitonin in the intermediate lobe of the pituitary gland. Deftos LJ, et al. *Life Sci* 23(7):743-8, 21 Aug 78

## BIOSYNTHESIS

- Ectopic hormone production by bronchial carcinomas in culture. Ellison ML, et al. *Clin Endocrinol (Oxf)* 5 Suppl:397S-406S, 1976

## BLOOD

- Evolution of parathyroid hormone and calcitonin plasma levels during haemodialysis and following renal transplantation. Fuss M, et al. *Acta Clin Belg* 33(1):16-22, 1978
- Calcitonin heterogeneity in lung cancer and medullary thyroid cancer. Becker KL, et al. *Acta Endocrinol (Copenh)* 89(1):89-99, Sep 78
- Small cell carcinoma of the lung: serum calcitonin and serum histaminase (diamine oxidase) at basal levels and stimulated by pentagastrin. Hansen M, et al. *Acta Med Scand* 204(4):257-61, 1978
- Ectopic secretion of calcitonin. Mulder H, et al. *Acta Med Scand* 204(4):253-6, 1978
- Calcitonin and carcinoembryonic antigen as tumor markers in medullary thyroid carcinoma. DeLellis RA, et al. *Am J Clin Pathol* 70(4):587-94, Oct 78
- First 24 hours of acute pancreatitis. A biochemical and endocrine evaluation of initial versus repeated attacks. Drew SI, et al. *Am J Gastroenterol* 70(1):66-72, Jul 78
- The cytology of medullary carcinoma of the thyroid with spindle cell pattern. Blonk DJ, et al. *Arch Geschwulstforsch* 48(4):313-7, 1978
- Possible involvement of growth hormone in the pathogenesis of early neonatal hypocalcemia in infants of diabetic mothers. Bergman L, et al. *Biol Neonate* 34(1-2):72-9, 1978
- Reduced-volume radioimmunoassays for parathyrin and calcitonin in serum, for use in pediatric and small-animal studies. Heath H 3d, et al. *Clin Chem* 24(10):1833-5, Oct 78
- The ectopic secretion of calcitonin by lung and breast carcinomas. Coombes RC, et al. *Clin Endocrinol (Oxf)* 5 Suppl:387S-396S, 1976
- Parathyroid hormone and calcitonin secretion in uraemic infants. Zamboni G, et al. *Eur J Pediatr* 129(3):183-90, 12 Oct 78
- Hypercalcitoninism and C-cell hyperplasia in rats with goiters produced by a low iodine diet or propylthiouracil. Peng TC, et al. *J Pharmacol Exp Ther* 206(3):710-17, Sep 78
- Thyroglobulin and calcitonin in patients with nontoxic goiter. Levine GA, et al. *JAMA* 240(21):2282-3, 17 Nov 78
- [Relationship between gastric acid secretion and plasma calcium, parathormone and calcitonin levels in patients with chronic renal failure on haemodialysis (author's transl)] Beaugrand M, et al. *Nouv Presse Med* 7(30):2635-6, 16 Sep 78 (Eng. Abstr.) (Fre)
- [Hypercalcemia and biologically active parathyroid hormone] Milhaud G, et al. *Sem Hop Paris* 54(13-16):489-95, May 78 (Eng. Abstr.) (Fre)
- [Diagnosis and early detection of medullary carcinoma of the thyroid] Miyauchi A, et al. *Nippon Rinsho Suppl*:1564-5, May 78 (Jpn)

## IMMUNOLOGY

- Calcitonin heterogeneity in lung cancer and medullary thyroid cancer. Becker KL, et al. *Acta Endocrinol (Copenh)* 89(1):89-99, Sep 78

## METABOLISM

- Calcitonin activity of the thyroid gland in primary hyperparathyroidism. Broulik PD, et al. *Acta Endocrinol (Copenh)* 89(1):122-5, Sep 78
- Ectopic hormone production by bronchial carcinomas in culture. Ellison ML, et al. *Clin Endocrinol (Oxf)* 5 Suppl:397S-406S, 1976

Calcitonin and calcium ionophores: cyclic AMP responses in cells of a human lymphoid line. Moran J, et al. *Proc Natl Acad Sci USA* 75(8):3984-88, Aug 78

PHARMACODYNAMICS

- Inotropic effects of calcitonin in man. Fiore CE, et al. *Acta Cardiol (Brux)* 33(3):155-66, 1978
- The distribution of hormone-sensitive adenylate cyclase in rat kidney and the interaction of hormones in activating the enzyme. Nagata N, et al. *Acta Endocrinol (Copenh)* 89(2):404-16, Oct 78
- A cell strain cultured from porcine kidney increases cyclic AMP content upon exposure to calcitonin or vasopressin. Goldring SR, et al. *Biochem Biophys Res Commun* 83(2):434-40, 28 Jul 78
- Stimulation of guanylate cyclase activity in cultured osteogenic murine calvarial mesenchymal cells by PTH, calcitonin and insulin. Walling MW, et al. *Biochem Biophys Res Commun* 83(2):521-7, 28 Jul 78
- Stimulatory effect of calcitonin on calcium excretion into bile of thyroparathyroidectomized rats. Yamaguchi M, et al. *Chem Pharm Bull (Tokyo)* 26(7):1981-4, Jul 78
- Analogues of human calcitonin. IV. Influence of leucine substitutions in positions 12, 16 and 19 on hypocalcaemic activity in the rat. Maier R, et al. *Clin Endocrinol (Oxf)* 5 Suppl:327S-332S, 1976
- Hormone receptors and cyclic nucleotide metabolism in cancer cells. Martin TJ, et al. *Clin Endocrinol (Oxf)* 5 Suppl:373S-386S, 1976 (57 ref.)
- Acute effects of calcitonin on osteoclasts in man. Singer FR, et al. *Clin Endocrinol (Oxf)* 5 Suppl:333S-340S, 1976
- Different hormonal target sites along the mouse and rabbit nephrons. Chabardés D, et al. *Curr Probl Clin Biochem* 8:447-54, 23-26 Oct 77
- <sup>45</sup>Ca uptake in tooth germs: effects of parathormone, calcitonin and propranolol. Gozariu L, et al. *Endocrinologie* 16(3):213-7, Jul-Sep 78
- Effects of calcitonin on wound healing: a morphological study in rabbits. Lupulescu A, et al. *J Surg Res* 25(3):260-8, Sep 78
- Development of parathyroid hormone- and calcitonin-activated adenylate cyclases in embryonic chicken limb and in cultured cells from embryonic chicken limb. Zull JE, et al. *Proc Natl Acad Sci USA* 75(8):3871-5, Aug 78
- [The influence of calcitonin and cortisone on experimental fractures (author's transl)] Kolár J, et al. *Acta Chir Orthop Traumatol Cech* 45(3):255-62, Jun 78 (Eng. Abstr.) (Cze)
- [Dynamics of the changes in thyroid gland parenchyma on thyrocalcitonin administration] Khomullov GV, et al. *Prohl Endokrinol (Mosk)* 24(5):97-102, Sep-Oct 78 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Calcium homeostasis: regulatory elements and their integration. Arnaud CD. *Fed Proc* 37(12):2557-60, Oct 78

Hormonal regulation of membrane receptors and cell responsiveness: a review. Tell GP, et al. *Metabolism* 27(10):1566-92, Oct 78

SECRETION

- Small cell carcinoma of the lung: serum calcitonin and serum histaminase (diamine oxidase) at basal levels and stimulated by pentagastrin. Hansen M, et al. *Acta Med Scand* 204(4):257-61, 1978
- Ectopic secretion of calcitonin. Mulder H, et al. *Acta Med Scand* 204(4):253-6, 1978
- The ectopic secretion of calcitonin by lung and breast carcinomas. Coombes RC, et al. *Clin Endocrinol (Oxf)* 5 Suppl:387S-396S, 1976
- Regulation of calcitonin secretion in vitro. Roos BA, et al. *Clin Endocrinol (Oxf)* 5 Suppl:217S-222S, 1976
- Parathyroid hormone and calcitonin secretion in uraemic infants. Zamboni G, et al. *Eur J Pediatr* 129(3):183-90, 12 Oct 78
- Natural history of familial medullary thyroid carcinoma: effect of a program for early diagnosis. Graze K, et al. *N Engl J Med* 299(18):980-5, 2 Nov 78
- Tumor products and potential markers in small cell lung cancer Richardson RL, et al. *Semin Oncol* 5(3):253-62, Sep 78 (79 ref.)

THERAPEUTIC USE

Salmon calcitonin in the acute treatment of moderate and severe hypercalcaemia in man. Nilsson O, et al.

- Acta Med Scand* 204(4):249-52, 1978
- Hereditary bone dysplasia with hyperphosphatasemia: response to synthetic human calcitonin. Horwith M, et al. *Clin Endocrinol (Oxf)* 5 Suppl:341S-352S, 1976
- Osteotomy for tibia vara in Paget's disease under cover of calcitonin. Meyers MH, et al. *J Bone Joint Surg [Am]* 60(6):810-4, Sep 78
- Management of hypercalcaemic crisis [editorial] *Lancet* 2(8090):617-8, 16 Sep 78
- Etidronate disodium for Paget's disease. *Med Lett Drugs Ther* 20(18):78-9, 8 Sep 78
- Medical staff conference. Paget disease of bone. *West J Med* 129(3):210-24, Sep 78
- [The influence of calcitonin and cortisone on experimental fractures (author's transl)] Kolár J, et al. *Acta Chir Orthop Traumatol Cech* 45(3):255-62, Jun 78 (Eng. Abstr.) (Cze)
- [Osteogenesis imperfecta. Classification with new aspects for pathogenesis and therapy (author's transl)] Harnisch R, et al. *Monatsschr Kinderheilkd* 126(10):597-606, Oct 78 (139 ref.) (Eng. Abstr.) (Ger)
- [A case of sterno-costo-clavicular hyperostosis] Heimstädt P. *Verh Dtsch Ges Rheumatol* 5:334-5, 1978 (Ger)
- [Gastric and exocrine pancreatic function in patients with medullary thyroid carcinoma and with bone diseases under treatment with calcitonin (author's transl)] Hotz J, et al. *Z Gastroenterol* 16(9):547-52, Sep 78 (Eng. Abstr.) (Ger)
- [Long-term therapy with calcitonin in Paget's diseases (author's transl)] Schmidt UJ, et al. *ZFA (Dresden)* 33(2):173-83, 1978 (Eng. Abstr.) (Ger)
- [Clinical trial of the calcitonin hormone in orthopedic pathology and trauma] Verrina F. *Chir Organi Mov* 63(6):551-7, 1977 (Eng. Abstr.) (Ita)
- [Hypercalcaemia caused by malignant tumor—emergency treatment] Abe K. *Nippon Rinsho Suppl*:1602-3, May 78 (Jpn)
- [Effect of exogenous thyrocalcitonin on the growth of an irradiated adenocarcinoma-755] Nikitenko VA, et al. *Med Radiol (Mosk)* 23(10):56-8, Oct 78 (Rus)
- [Treatment of steroid-induced osteoporosis with thyrocalcitonin in chronic dermatoses] Rutshtein LG, et al. *Vestn Dermatol Venerol* (7):85-7, Jul 78 (Eng. Abstr.) (Rus)
- [State of protein and mineral metabolism following thyrocalcitonin administration during experimental osteogenesis] Khomullov GV, et al. *Vopr Med Khim* 24(5):613-7, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Calcitonin and phosphate metabolism. Analysis of active calcium and phosphorus in children treated with Calcitar] Vulović D, et al. *Srp Arh Celok Lek* 105(11):967-74, Nov 77 (Eng. Abstr.) (Sec)

CALCIUM

METABOLISM

- Effects of extracellular calcium on potassium and noradrenaline induced contractions in the aorta of spontaneously hypertensive rats—increased sensitivity to nifedipine. Lederballe Pedersen O, et al. *Acta Pharmacol Toxicol (Copenh)* 43(2):137-44, Aug 78
- Studies on calcium uptake by myometrial microsomes with particular reference to the dependence on inorganic phosphate and oxalate. Batra S. *Acta Physiol Scand* 104(1):68-73, Sep 78
- Blood flow, calcium deposition and heat loss in reindeer antlers. Hove K, et al. *Acta Physiol Scand* 104(1):122-8, Sep 78
- Feeding-induced hypocalcaemia. Studies on the uptake of <sup>47</sup>Ca from the gastrointestinal tract of sheep. Jones B, et al. *Acta Vet Scand* 19(2):204-14, 1978
- Ca<sup>2+</sup> -ions as coupling agents in enzymatic differentiation and carbohydrate metabolism of cultured muscle cells. Schudt C, et al. *Adv Enzyme Regul* 16:121-39, 3-4 Oct 77 (87 ref.)
- Comparison of the effects of keto acid analogues and essential amino acids on nitrogen homeostasis in uremic patients on moderately protein-restricted diets. Burns J, et al. *Am J Clin Nutr* 31(10):1767-75, Oct 78
- Nutritional implications of dietary fiber. Cummings JH. *Am J Clin Nutr* 31(10 Suppl):521-529, Oct 78
- Ionic pathways of secretory membrane of frog gastric mucosa in Cl<sup>-</sup>-free media. Holloman TL, et al. *Am J Physiol* 231(6):1649-54, Dec 76
- Effect of ionophore RO 2-2985 on the efflux of calcium from the rat nephron. Senekjian HO, et al. *Am J Physiol* 235(4):F381-4, Oct 78
- Calcium transport across segments of the rabbit distal nephron



- in vitro. Shareghi GR, et al. *Am J Physiol* 235(4):F367-75, Oct 78
- Effect of graded doses of cortisol on total body calcium in rats. Yasumura S, et al. *Am J Physiol* 231(6):1760-3, Dec 76
- Calcium transport and cell function. *Ann NY Acad Sci* 307:1-655, 28 Apr 78
- The regulation of intracellular calcium in giant axons of *Loligo* and *Myxicola*. Baker PF. *Ann NY Acad Sci* 307:250-68, 28 Apr 78 (50 ref.)
- Calcium release and membrane voltage changes within muscle cells. Best PM, et al. *Ann NY Acad Sci* 307:640-1, 28 Apr 78
- On the difficulty of assessing the role of extracellular calcium in cell function. Borle AB. *Ann NY Acad Sci* 307:431-2, 28 Apr 78
- Comment on the relation between calcium entry and change in ionized calcium. Brinley FJ Jr. *Ann NY Acad Sci* 307:424-6, 28 Apr 78
- Calcium transport in bone and intestinal cells. Bronner F, et al. *Ann NY Acad Sci* 307:440-1, 28 Apr 78
- The calcium conductance of neurons. Brown AM, et al. *Ann NY Acad Sci* 307:330-44, 28 Apr 78 (29 ref.)
- The regulation of intracellular calcium by mitochondria. Carafoli E, et al. *Ann NY Acad Sci* 307:269-84, 28 Apr 78 (62 ref.)
- Vitamin D and calcium transport. DeLuca HF. *Ann NY Acad Sci* 307:356-76, 28 Apr 78 (88 ref.)
- Excitation-contraction coupling in single muscle fibers and the calcium channel in sarcoplasmic reticulum. Desmedt JE, et al. *Ann NY Acad Sci* 307:433-5, 28 Apr 78
- Calcium-induced release of calcium from the sarcoplasmic reticulum of skinned cells from adult human, dog, cat, rabbit, rat, and frog hearts and from fetal and new-born rat ventricles. Fabiato A, et al. *Ann NY Acad Sci* 307:491-522, 28 Apr 78 (51 ref.)
- Uptake of calcium and manganese by rat liver submitochondrial particles. Gunter TE, et al. *Ann NY Acad Sci* 307:246-7, 28 Apr 78
- ATPase phosphorylation and calcium ion translocation in the transient state of sarcoplasmic reticulum activity. Inesi G, et al. *Ann NY Acad Sci* 307:224-7, 28 Apr 78
- Transport and accumulation of calcium in mitochondria. Lehninger AL, et al. *Ann NY Acad Sci* 307:160-76, 28 Apr 78 (59 ref.)
- Rod disk calcium movement and transduction: a poorly illuminated story. Liebman PA. *Ann NY Acad Sci* 307:642-4, 28 Apr 78
- A survey of the hormonal factors that control calcium metabolism. MacIntyre I, et al. *Ann NY Acad Sci* 307:345-55, 28 Apr 78 (15 ref.)
- Regulation of calcium fluxes and their regulatory roles in pancreatic islets. Malaisse WJ, et al. *Ann NY Acad Sci* 307:562-82, 28 Apr 78 (77 ref.)
- The calcium transport of sarcoplasmic reticulum. Martonosi AN, et al. *Ann NY Acad Sci* 307:148-59, 28 Apr 78
- Special characteristics of brain mitochondrial calcium accumulation. Mela L, et al. *Ann NY Acad Sci* 307:242-5, 28 Apr 78
- Energy-dependent calcium uptake by fibroblast microsomes. Moore L, et al. *Ann NY Acad Sci* 307:177-94, 28 Apr 78
- Intracellular and extracellular calcium ions in transmitter release at the neuromuscular synapse. Rahamimoff R, et al. *Ann NY Acad Sci* 307:583-98, 28 Apr 78 (52 ref.)
- Some aspects of the hormonal control of cellular calcium metabolism. Rasmussen H, et al. *Ann NY Acad Sci* 307:391-401, 28 Apr 78
- Prostaglandins and calcium. Reed PW, et al. *Ann NY Acad Sci* 307:445-7, 28 Apr 78
- Prostaglandins and calcium-membrane interactions in secretory glands. Rubin RP, et al. *Ann NY Acad Sci* 307:377-90, 28 Apr 78 (51 ref.)
- Calcium in human red blood cells. Schatzmann HJ, et al. *Ann NY Acad Sci* 307:125-47, 28 Apr 78 (50 ref.)
- Possible calcium carrier from the inner membrane of calf heart mitochondria. Shamoo AE, et al. *Ann NY Acad Sci* 307:235-7, 28 Apr 78
- Electron probe analysis of calcium compartments in cryo sections of smooth and striated muscles. Somlyo AP, et al. *Ann NY Acad Sci* 307:523-44, 28 Apr 78 (65 ref.)
- Role of adenine nucleotides in calcium retention in heart mitochondria. Sordahl LA, et al. *Ann NY Acad Sci* 307:238-41, 28 Apr 78
- Calcium ions and membrane current changes induced by digitals in cardiac Purkinje fibers. Tsien RW, et al. *Ann NY Acad Sci* 307:483-90, 28 Apr 78 (14 ref.)
- Regulation of a plasma membrane calcium pump: a speculative model. Vincenzi FF. *Ann NY Acad Sci* 307:229-31, 28 Apr 78
- Physiological regulation of calcium metabolism: the consequences of excess intake of 1,25-dihydroxycholecalciferol from natural sources. Wasserman RH. *Ann NY Acad Sci* 307:442-4, 28 Apr 78
- Effect of pH and  $\text{Ca}^{2+}$  on the retention of  $\text{Ca}^{2+}$  by rat liver mitochondria. Akerman KE. *Arch Biochem Biophys* 189(2):256-62, Aug 78
- The interaction of calcium and procaine with hepatocyte and hepatoma tissue culture cell plasma membranes studied by fluorescence spectroscopy. Cheng S, et al. *Arch Biochem Biophys* 189(2):336-43, Aug 78
- Oxygen-dependency of the acetylcholine induced relaxation in vascular smooth muscle. de Mey JG, et al. *Arch Int Pharmacodyn Ther* 234(2):339, Aug 78
- Effect of antihypertensives on calcium kinetics in the aorta of spontaneously hypertensive rats. Zsotér TT, et al. *Arch Int Pharmacodyn Ther* 234(2):287-93, Aug 78
- Mechanism of the sarcoplasmic reticulum calcium pump. Fluorometric study of the phosphorylated intermediates. Dupont Y. *Biochem Biophys Res Commun* 82(3):893-900, 14 Jun 78
- Effect of glucocorticoids on calcium binding to plasma membranes of livers during regeneration. Kagawa K, et al. *Biochem Biophys Res Commun* 83(4):1299-305, 29 Aug 78
- Phosphodiesterase protein activator stimulates calcium transport in cardiac microsomal preparations enriched in sarcoplasmic reticulum. Katz S, et al. *Biochem Biophys Res Commun* 83(4):1373-9, 29 Aug 78
- Possible relationship of the hepatic microsomal ATP-dependent calcium pump to sex differences in triacylglycerol synthesis. Soler-Argilaga C, et al. *Biochem Biophys Res Commun* 83(3):869-73, 14 Aug 78
- The effect of lipid peroxidation on the calcium-accumulating ability of the microsomal fraction isolated from chicken breast muscle. Player TJ, et al. *Biochem J* 174(1):17-22, 15 Jul 78
- Calcium ion cycling in rat liver mitochondria. Ramachandran C, et al. *Biochem J* 174(2):613-20, 15 Aug 78
- Characterization of a region of the primary sequence of troponin C involved in calcium ion-dependent interaction with troponin I. Weeks RA, et al. *Biochem J* 173(2):449-57, 1 Aug 78
- Prostaglandins and chronic inflammation. Bonta IL, et al. *Biochem Pharmacol* 27(12):1611-23, 1978 (160 ref.)
- Characterization of calcium-binding sites of the purified acetylcholine receptor and identification of the calcium-binding subunit. Rübsamen H, et al. *Biochemistry* 17(18):3818-25, 5 Sep 78
- Distribution of gamma-carboxyglutamic acid in calcified tissues. King K Jr. *Biochim Biophys Acta* 542(3):542-6, 6 Sep 78
- Inhibition of steroidogenic response to corticotropin in mouse adrenal tumor cells (Y-1) by the ionophore A23187. Role of protein biosynthesis. Nakamura M, et al. *Biochim Biophys Acta* 542(2):330-9, 17 Aug 78
- Role of chelation and water binding of calcium in dormancy and heat resistance of bacterial endospores. Rajan KS, et al. *Bioinorg Chem* 8(6):477-91, Jun 78
- Balance of net base in the rat. III. Effects of oral sodium bicarbonate and sodium citrate loading. Wamberg S, et al. *Biol Neonate* 34(1-2):24-31, 1978
- Changes of intracellular  $\text{Ca}^{2+}$  as measured by arsenazo III in relation to the K permeability of human erythrocyte ghosts. Yingst DR, et al. *Biophys J* 23(3):463-71, Sep 78
- [Effect of amilof and arecoline on  $^{45}\text{Ca}$  uptake by rat brain nerve endings] Semenov EV. *Biull Eksp Biol Med* 86(9):301-4, Sep 78 (Eng. Abstr.)
- Corticosteroid involvement in the changes in noradrenergic responsiveness of tissues from rats made hypertensive by short-term isolation. Bennett T, et al. *Br J Pharmacol* 64(1):129-36, Sep 78
- Topographic projections of substance P and GABA pathways in the striato- and pallido-nigral system: a biochemical and immunohistochemical study. Jessell TM, et al. *Brain Res* 152(3):487-98, 8 Sep 78
- Stratial content of  $\text{Ca}^{2+}$ -dependent regulator protein and dopaminergic receptor function. Lucchelli A, et al. *Brain Res* 155(1):130-5, 20 Oct 78
- Effects of 4-aminopyridine on neuromuscular transmission. Lundh H. *Brain Res* 153(2):307-18, 22 Sep 78
- Release of  $^{45}\text{Ca}^{2+}$  in the diencephalon of the monkey during feeding and drinking. Meeker R, et al. *Brain Res* 154(2):421-5, 13 Oct 78
- Amplitude and rate of decay of post-tetanic potentiation are controlled by different mechanisms. Woodson PB, et al. *Brain Res* 157(1):33-46, 17 Nov 78
- The distribution of calcium in hypoxic cat hearts: the effect of beta 1-blockade. Pang CC, et al. *Can J Physiol Pharmacol* 56(4):564-70, Aug 78
- Relationships of the structure and function of the interferon receptor to hormone receptors and establishment of the



- antiviral state. Grollman EF, et al. *Cancer Res* 38(11 Pt 2):4172-85, Nov 78 (65 ref.)
- Diets based on autoclaved skim-milk powder. Effects on smooth-surface dental caries and absorption of calcium in rats. Senior JA, et al. *Caries Res* 12(5):275-83, 1978
- Catharanthine: a novel stimulator of pancreatic enzyme release. Williams JA. *Cell Tissue Res* 192(2):277-84, 5 Sep 78
- An active core in a limited chymotryptic digest of bovine parotid hypocalcemic substance. Mizutani T, et al. *Chem Pharm Bull (Tokyo)* 26(9):2774-81, Sep 78
- Stimulatory effect of calcitonin on calcium excretion into bile of thyroparathyroidectomized rats. Yamaguchi M, et al. *Chem Pharm Bull (Tokyo)* 26(7):1981-4, Jul 78
- Purification of calcium binding substance from soluble fraction of normal rat liver. Yamaguchi M, et al. *Chem Pharm Bull (Tokyo)* 26(6):1915-8, Jun 78
- Action of caffeine on calcium transport by isolated fractions of myofibrils, mitochondria, and sarcoplasmic reticulum from rabbit heart. Blayney L, et al. *Circ Res* 43(4):520-6, Oct 78
- The regulation of intracellular calcium. Carafoli E, et al. *Clin Endocrinol (Oxf)* 5 Suppl:49S-59S, 1976
- Recent advances in our understanding of the metabolism of vitamin D and its regulation. DeLuca HF. *Clin Endocrinol (Oxf)* 5 Suppl:97S-108S, 1976
- The assay of 1 $\alpha$ ,25-dihydroxyvitamin D<sub>3</sub>: physiologic and pathologic modulation of circulating hormone levels. Haussler MR, et al. *Clin Endocrinol (Oxf)* 5 Suppl:151S-165S, 1976
- Treatment of hypoparathyroidism with 1,25-dihydroxycholecalciferol. Hill LF, et al. *Clin Endocrinol (Oxf)* 5 Suppl:167S-173S, 1976
- Mode of action of peptide hormones. Neher R, et al. *Clin Endocrinol (Oxf)* 5 Suppl:29S-39S, 1976
- The relationship between oestrogen status and bone loss in post-menopausal women. Nordin BE, et al. *Clin Endocrinol (Oxf)* 5 Suppl:353S-361S, 1976
- The chemistry and conformational and biological analysis of vitamin D<sub>3</sub>, its metabolites and analogues. Norman AW, et al. *Clin Endocrinol (Oxf)* 5 Suppl:121S-143S, 1976 (30 ref.)
- Calcium ion as second messenger. Rasmussen H, et al. *Clin Endocrinol (Oxf)* 5 Suppl:11S-27S, 1976 (65 ref.)
- Problems in the analysis of dynamic tracer studies. Reeve J, et al. *Clin Sci Mol Med* 55(3):225-30, Sep 78 (38 ref.)
- Renal disease and disorders of calcium metabolism. Kanis JA. *Compr Ther* 4(8):44-50, Aug 78
- Intra-renal factors in renin release. Peart WS. *Contrib Nephrol* 12:5-15, 1978 (60 ref.)
- Behavior and the excitable membrane in *Paramecium*. Byrne BJ, et al. *CRC Crit Rev Microbiol* 6(1):53-108, Sep 78 (97 ref.)
- ATP-hydrolysis as driving force for transport processes in isolated renal plasma membrane vesicles. Kinne R, et al. *Curr Probl Clin Biochem* 8:178-85, 23-26 Oct 77
- Renal cell metabolism in phosphate depletion: adenine nucleotide metabolism and gluconeogenesis. Kurokawa K, et al. *Curr Probl Clin Biochem* 8:336-42, 23-26 Oct 77
- What are the driving forces for the proximal tubular H<sup>+</sup> and Ca<sup>++</sup> transport? The electrochemical gradient for Na<sup>+</sup> and/or ATP. Ullrich KJ, et al. *Curr Probl Clin Biochem* 8:170-7, 23-26 Oct 77
- The cellular control of growth in cultures of *Tetrahymena* 2. In fluence of Fe medium and aeration on culture growth and cellular exchange of Ca. Andersson KH. *Cytobios* 19(74):119-41, 1977
- Hemolytic assay of complement and its components from Syrian hamster (*Mesocricetus auratus*) and Mongolian gerbil (*Meriones unguiculatus*). Barta O, et al. *Dev Comp Immunol* 2(3):519-28, Jul 78
- Effects of phosphoenolpyruvate, other glycolytic intermediates and methylxanthines on calcium uptake by a mitochondrial fraction from rat pancreatic islets. Sugden MC, et al. *Diabetologia* 15(3):173-80, Sep 78
- <sup>45</sup>Ca uptake in tooth germs: effects of parathormone, calcitonin and propranolol. Gozariu L, et al. *Endocrinologie* 16(3):213-7, Jul-Sep 78
- Calcium uptake in skeletal muscle mitochondria. I. The effects of chelating agents on the mitochondria from fatigued rats. Tate CA, et al. *Eur J Appl Physiol* 39(2):111-6, 15 Aug 78
- Calcium uptake in skeletal muscle mitochondria. II. The effects of long-term chronic and acute exercise. Tate CA, et al. *Eur J Appl Physiol* 39(2):117-22, 15 Aug 78
- The calcium paradox: metabolic, electrophysiological, contractile and ultrastructural characteristics in four species. Hearse DJ, et al. *Eur J Cardiol* 7(4):241-56, Jun 78
- The effects of extracellular potassium and several drugs on the premature action potential and postextrasystolic potentiation. Linuma H, et al. *Eur J Cardiol* 7(5-6):465-77, Jul 78
- A comparative study of two methods of measurement of fractional calcium absorption: results in normal individuals and patients with various disturbances of calcium metabolism. Juttman JR, et al. *Eur J Clin Invest* 8(3):137-42, Jun 78
- Intestinal and renal handling of calcium in human diabetes mellitus: influence of acute oral glucose loading and diabetic control. Monnier L, et al. *Eur J Clin Invest* 8(4):225-31, Aug 78
- Parathyroid hormone and calcitonin secretion in uraemic infants. Zamboni G, et al. *Eur J Pediatr* 129(3):183-90, 12 Oct 78
- Effects of the antituberculous agent ethambutol on myelinated nerve. Borchard U, et al. *Eur J Pharmacol* 50(4):307-16, 15 Aug 78
- Hormonal control of meiosis. In vitro induced release of calcium ions from the plasma membrane in starfish oocytes. Dorée M, et al. *Exp Cell Res* 115(2):251-60, Sep 78
- Hormonal control of meiosis reinitiation in starfish oocytes. New evidence for the absence of efficient intracellular receptors for 1-methyladenine recognition. Moreau M, et al. *Exp Cell Res* 115(2):245-9, Sep 78
- Identification of the Ca<sup>2+</sup>-dependent modulator protein as the fourth subunit of rabbit skeletal muscle phosphorylase kinase. Cohen P, et al. *FEBS Lett* 92(2):287-93, 15 Aug 78
- Non-equivalence of the CD and EF sites of muscular parvalbumins. A <sup>113</sup>Cd NMR study. Drakenberg T, et al. *FEBS Lett* 92(2):346-50, 15 Aug 78
- Effects of monovalent cation ionophores on calcium uptake by rabbit skeletal muscle sarcoplasmic reticulum vesicles. Louis CF, et al. *FEBS Lett* 93(1):61-4, 1 Sep 78
- Ca transport and ATPase activity of synaptosomal vesicles from rat brain. Rahamimoff H, et al. *FEBS Lett* 92(2):163-7, 15 Aug 78
- An estimate of the kinetics of calcium binding and dissociation of the sarcoplasmic reticulum transport ATPase. Rauch B, et al. *FEBS Lett* 93(1):65-8, 1 Sep 78
- The effect of phosphoenolpyruvate on the retention of calcium by liver mitochondria. Roos I, et al. *FEBS Lett* 94(2):418-21, 15 Oct 78
- Ca binding of rat fibrinogen and fibrin(ogen) degradation products. van Ruijven-Vermeer IA, et al. *FEBS Lett* 93(1):177-80, 1 Sep 78
- Calcium homeostasis: regulatory elements and their integration. Arnaud CD. *Fed Proc* 37(12):2557-60, Oct 78
- Properties and biosynthesis of a vitamin K-dependent calcium binding protein in bone. Lian JB, et al. *Fed Proc* 37(12):2615-20, Oct 78
- Interactions of vitamin K-dependent proteins with calcium ions and phospholipid membranes. Nelsestuen GL. *Fed Proc* 37(12):2621-5, Oct 78
- Chemistry and neurochemistry of sperm motility control. Nelson L. *Fed Proc* 37(11):2543-7, Sep 78 (25 ref.)
- The ischemic myocardium: mechanism of early pump failure. Katz AM. *Hosp Pract* 13(6):83-91, Jun 78
- Excitation-contraction coupling: a common etiologic pathway for malignant hyperthermia susceptible muscle. pp. 23-36. Nelson TE.
- In: Aldrete JA, Britt BA, ed. *Malignant hyperthermia*. New York, Grune & Stratton, 1978. W3 IN919GK 1977.
- Regulation of calcium by vascular smooth muscle cellular components. pp. 157-71. Allen JC.
- In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (35 ref.)
- Effect of pharmacological agents on calcium stores in amphibian fast and slow muscle fibers. pp. 315-30. Bianchi CP.
- In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977.
- Surface calcium in the heart: its function and role in drug action. pp. 33-56. Frank JS.
- In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (44 ref.)
- Calcium related basis of action of vascular agents: cellular approaches. pp. 331-54. Goodman FR.
- In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (73 ref.)
- Calcium in smooth muscle function. pp. 75-93. Hurwitz L, et al.
- In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (53 ref.)
- Role of calcium in the actions of agents affecting membrane permeability. pp. 173-94. Putney JW Jr.
- In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (47 ref.)
- Effects of calcium on adenylate cyclase, as part of the Ca<sup>2+</sup>-cAMP feedback in biological communication. pp.



- 97-133. Rodan GA.  
In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (135 ref.)
- Calcium, calcium translocation, and specific calcium antagonists. pp. 3-31. Rosenberger L, et al.  
In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (135 ref.)
- Effects of opiate drugs on the metabolism of calcium in synaptic tissue. pp. 241-59. Ross DH.  
In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (75 ref.)
- Prostaglandins, calcium, and cyclic nucleotides in stimulus-response coupling. pp. 135-55. Rubin RP, et al.  
In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (97 ref.)
- Calcium and neuromuscular transmission. pp. 261-87. Van der Kloot W.  
In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (100 ref.)
- Quantitative measurement of binding sites and washout components for calcium ion in vascular smooth muscle. pp. 57-74. Weiss GB.  
In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977.
- Determination of extracellular space and tissue cation in dog detrusor muscle. Rohner TJ Jr, et al. *Invest Urol* 16(1):57-61, Jul 78
- Calcium efflux from isolated cardiac sarcoplasmic reticulum. Kirchberger MA, et al. *J Biol Chem* 253(19):6941-5, 10 Oct 78
- Magnesium but not calcium accumulation is inhibited by beta-adrenergic stimulation in S49 lymphoma cells. Maguire ME, et al. *J Biol Chem* 253(19):6633-6, 10 Oct 78
- Role of  $Ca^{++}$  in virus-induced membrane fusion.  $Ca^{++}$  accumulation and ultrastructural changes induced by Sendai virus in chicken erythrocytes. Volsky DJ, et al. *J Cell Biol* 78(2):465-79, Aug 78
- Adenosinetriphosphate, calcium and temperature requirements for the final steps of exocytosis in Paramecium cells. Matt H, et al. *J Cell Sci* 32:67-86, Aug 78
- Glucose-stimulated  $^{45}Ca$  efflux from isolated rat pancreatic islets. Frankel BJ, et al. *J Clin Invest* 62(3):525-31, Sep 78
- The dairy goat as a model in lactation studies. Larson BL. *J Dairy Sci* 61(7):1023-9, Jul 78 (37 ref.)
- Reversal of betamethasone-induced inhibition of intestinal calcium absorption by lalpa-hydroxycholecalciferol. Fox J, et al. *J Endocrinol* 78(2):187-94, Aug 78
- Effects of low calcium and low phosphorus diets on the duodenal absorption of calcium in betamethasone-treated chicks. Fox J, et al. *J Endocrinol* 78(2):255-60, Aug 78
- Calcium buffering in presynaptic nerve terminals. II. Kinetic properties of the nonmitochondrial  $Ca$  sequestration mechanism. Blaustein MP, et al. *J Gen Physiol* 72(1):43-66, Jul 78
- Calcium buffering in presynaptic nerve terminals. I. Evidence for involvement of a nonmitochondrial ATP-dependent sequestration mechanism. Blaustein MP, et al. *J Gen Physiol* 72(1):15-41, Jul 78
- Mitochondria and other calcium buffers of squid axon studied in situ. Brinley FJ Jr, et al. *J Gen Physiol* 72(1):101-27, Jul 78
- Alteration of sensitivity and time scale in invertebrate photoreceptors exposed to anoxia, dinitrophenol, and carbon dioxide. Lantz RC, et al. *J Gen Physiol* 72(2):219-31, Aug 78
- Effects of veratridine on  $Ca$  fluxes and the release of oxytocin and vasopressin from the isolated rat neurohypophysis. Nordmann JJ, et al. *J Gen Physiol* 72(3):297-304, Sep 78
- Macrophage migration inhibition factor: interactions with calcium, magnesium, and cyclic AMP. Block LH, et al. *J Immunol* 121(4):1416-21, Oct 78
- Regulatory substances produced by lymphocytes. VIII. Cell cycle specificity of inhibitor of DNA synthesis (IDS) action in lymphocytes. Wagshal AB, et al. *J Immunol* 121(3):966-72, Sep 78
- On the red blood cell  $Ca^{2+}$ -pump: an estimate of stoichiometry. Larsen FL, et al. *J Membr Biol* 41(4):361-76, 18 Jul 78
- $Ca^{2+}$  transport by chondrocyte mitochondria of the epiphyseal growth plate. Lee NH, et al. *J Membr Biol* 41(4):349-60, 18 Jul 78 (43 ref.)
- Mechanism of action of norexin and norechis II-5 on synaptosomes. Sen I, et al. *J Neurochem* 31(4):969-76, Oct 78
- The use of A23187 to demonstrate the role of intracellular calcium in causing ultrastructural damage in mammalian muscle. Publicover SJ, et al. *J Neuropathol Exp Neurol* 37(5):554-7, Sep 78
- Tetrodotoxin-resistant sodium and calcium components of action potentials in dorsal root ganglion cells of the adult mouse. Yoshida S, et al. *J Neurophysiol* 41(5):1096-1106, Sep 78
- Inhibitory effect of cadmium on vitamin D-stimulated calcium transport in rat duodenum in vitro. Tsuruki F, et al. *J Nutr Sci Vitaminol (Tokyo)* 24(3):237-42, 1978
- The basis of beta adrenergic bronchodilation. Kumar MA. *J Pharmacol Exp Ther* 206(3):528-34, Sep 78
- Interaction of hydralazine with tension development and mechanisms of calcium accumulation in  $K^{+}$ -stimulated rabbit aortic strips. McLean AJ, et al. *J Pharmacol Exp Ther* 207(1):40-8, Oct 78
- Pharmacological studies on the subcellular site of action of botulinum toxin type A. Simpson LL. *J Pharmacol Exp Ther* 206(3):661-9, Sep 78
- Properties of the calcium-extruding mechanism of liver cells. Cittadini A, et al. *J Physiol (Lond)* 281:29-43, Aug 78
- Effect of pH on the uptake and efflux of calcium from cardiac sarcoplasmic reticulum vesicles [proceedings] Dunnett J, et al. *J Physiol (Lond)* 281:16P-17P, Aug 78
- Slow inward and outward currents of rat ventricular fibers under anoxia. Payet MD, et al. *J Physiol (Paris)* 74(1):31-5, 1978
- Release of nitrogen, sulphur, phosphorus, calcium, magnesium, potassium and sodium from four tropical hays during their digestion in nylon bags in the rumen. Playne MJ, et al. *J Sci Food Agric* 29(6):520-6, Jun 78
- Critical analysis of methods for analysing human calcium kinetics. Jung A, et al. *J Theor Biol* 73(1):131-57, 6 Jul 78
- Studies of the cardiac sarcoplasmic reticulum in myocardial infarction. Toba K, et al. *Jpn Circ J* 42(4):447-53, Apr 78
- Effects of synaptic plasma membranes on release of acetylcholine from synaptic vesicles. Kuo CH, et al. *Jpn J Pharmacol* 28(3):339-43, Jun 78
- Nonspecific relaxation of intestinal smooth muscle induced by antispasmodics and movement of Calcium ions. Takayanagi I, et al. *Jpn J Pharmacol* 28(2):334-7, Apr 78
- Control of pancreatic enzyme secretion: a critique on the role of calcium. Chandler DE. *Life Sci* 23(4):323-33, 24 Jul 78 (72 ref.)
- Role of calcium in the regulation of adenylohypophyseal hormone release. Moriarty CM. *Life Sci* 23(3):185-94, 17 Jul 78 (54 ref.)
- Palmitoylcarnitine inhibition of the calcium pump in cardiac sarcoplasmic reticulum: a possible role in myocardial ischemia. Pitts BJ, et al. *Life Sci* 23(4):391-401, 24 Jul 78
- Effect of taurine on ATP-dependent calcium transport in guinea-pig cardiac muscle. Remtulla MA, et al. *Life Sci* 23(4):383-90, 24 Jul 78
- Studies on translocation of acetylcholine in the nerve terminals [proceedings] Yoshida H. *Med J Osaka Univ* 28(2):165-6, Dec 77
- The stimulus-secretion coupling of glucose-induced insulin release XXVI. Are the secretory and fuel functions of glucose dissociable by iodoacetate? Sener A, et al. *Metabolism* 27(10):1505-17, Oct 78
- Steroid-induced meiotic division in *Xenopus laevis* oocytes: surface and calcium. Baulieu EE, et al. *Nature* 275(5681):593-8, 19 Oct 78 (82 ref.)
- Increase in free  $Ca^{2+}$  in muscle after exposure to  $CO_2$ . Lea TJ, et al. *Nature* 275(5677):236-8, 21 Sep 78
- Ionophoretic model for  $Na$ - $Ca$  counter transport. Malaisse WJ, et al. *Nature* 275(5681):664-5, 19 Oct 78
- Unfolding troponin-C. Seymour J. *Nature* 275(5677):177-8, 21 Sep 78
- Kinetic parameters of calcium metabolism and femur morphometry in rats. I. Influence of sex and age. Blauša M, et al. *Pfluegers Arch* 375(3):233-8, Aug 78
- Kinetic parameters of calcium metabolism and femur morphometry in rats. II. Influence of ovariectomy and dietary calcium. Blauša M, et al. *Pfluegers Arch* 375(3):239-44, Aug 78
- The stimulus-secretion coupling of glucose-induced insulin release. XXVIII. Effect of glucose on  $Na^{+}$  fluxes in isolated islets. Kawazu S, et al. *Pfluegers Arch* 375(2):197-206, 18 Jul 78
- Effects of halothane on  $Ca^{2+}$ -activated tension development in mechanically disrupted rabbit myocardial fibers. Su JY, et al. *Pfluegers Arch* 375(2):111-7, 18 Jul 78
- Mineral absorption from the digestive tract of calves before and after weaning. Kay RN, et al. *Proc Nutr Soc* 37(2):58A, Sep 78
- Intracellular calcium and the regulation of sodium transport in the frog skin. Grinstein S, et al. *Proc R Soc Lond [Biol]* 202(1148):353-60, 26 Jul 78
- Effect of dietary cadmium on calcium metabolism in the rat during late gestation. Kelman BJ, et al. *Proc Soc Exp Biol Med* 158(4):614-7, Sep 78
- The effect of oligomycin on the functional properties of rabbit



- heart mitochondria. Yang WC, et al. *Proc West Pharmacol Soc* 21:123-30, 1978
- Stimulation of prostaglandin production in bone by phorbol diesters and melittin. Tashjian AH Jr, et al. *Prostaglandins* 16(2):221-32, Aug 78
- Role of hydroxylase cofactor in serotonin biosynthesis. Lovenberg W, et al. *Psychopharmacol Bull* 14(4):44-6, Oct 78
- The effect of dantrolene sodium on the efflux of  $\text{Ca}^{45}$  from rat heavy sarcoplasmic reticulum. Francis KT. *Res Commun Chem Pathol Pharmacol* 21(3):573-6, Sep 78
- HLA and kidney stone disease. Säfvenberg J, et al. *Scand J Urol Nephrol* 12(2):151-4, 1978
- Procoagulant and defibrinating potency of the venom gland extract of *Thelotornis kirtlandi*. Kornalik F, et al. *Thromb Res* 12(6):991-1001, Jun 78
- Effects of  $\text{Ba}^{2+}$  and  $\text{Cd}^{2+}$  on convulsive electroshock sensitivity and  $^{45}\text{Ca}$  distribution in brain subcellular fractions in mice. Peyton JC, et al. *Toxicol Appl Pharmacol* 45(1):95-103, Jul 78
- Effect of tin on calcium content in the bile of rats. Yamaguchi M, et al. *Toxicol Appl Pharmacol* 45(2):611-6, Aug 78
- Action of dihydroaflatoxins on rat liver mitochondria. 1. Membrane-dependent osmotic and redox effects of aflatoxins B<sub>2</sub> and G<sub>2</sub>. Obidoa O, et al. *Toxicology* 11(1):29-36, Sep 78
- Effect of G. breve toxin on calcium uptake and ATPase activity of sarcoplasmic reticulum vesicles. Kim YS, et al. *Toxicon* 16(5):495-501, 1978
- Effect of purified gamma-toxin from *Naja nigricollis* venom on  $\text{Ca}^{2+}$  release and uptake by cardiac micelles and membrane [proceedings] Dunnet J, et al. *Toxicon Suppl* (1):430-1, 1978
- Effect of beta-bungarotoxin on ATPase activity,  $^{45}\text{Ca}^{++}$  uptake and conformation of biological membranes. Shiau SY, et al. *Toxicon Suppl* (1):183-95, 1978
- Effect of cobra cardiotoxin on ATPase activity,  $^{45}\text{Ca}^{++}$  uptake and conformation of biological membranes. Shiau SY, et al. *Toxicon Suppl* (1):197-210, 1978
- [Value of some indicators of calcium homeostasis in patients with anticonvulsant treatment (author's transl)] Wilczek H, et al. *Sb Lek* 80(9):257-61, Sep 78 (Eng. Abstr.) (Cze)
- [Control of mitochondrial  $\text{Mg}^{++}$  efflux] Höser N, et al. *Acta Biol Med Ger* 37(1):19-29, 1978 (Eng. Abstr.) (Ger)
- [Characterization of  $\text{Ca}^{++}$  uptake by a microsomal fraction from vascular smooth muscle] Klinner U, et al. *Acta Biol Med Ger* 37(1):1-12, 1978 (Eng. Abstr.) (Ger)
- [Normocalcemic nephrolithiasis and primary hyperparathyroidism] Buser U, et al. *Helv Chir Acta* 45(3):263-6, Jul 78 (Eng. Abstr.) (Ger)
- [Renal calcium excretion in primary hyperparathyroidism and idiopathic hypercalciuria (author's transl)] Klöti J, et al. *Klin Wochenschr* 53(7):307-11, 1 Apr 75 (Ger)
- [Therapeutic measures in recurrent calcium oxalate nephrolithiasis] Tschöpe W, et al. *Praxis* 67(38):1385-8, 19 Sep 78 (Ger)
- [Effect of a calcium-deficient, phosphate- or ammonia-rich diet on the development and mineral metabolism of growing miniature pigs] Anke M, et al. *Z Urol Nephrol* 71(7):463-72, Jul 78 (Eng. Abstr.) (Ger)
- [Effect of acidosis on the mitochondrial function of hearts perfused in hypoxia] Ferrari R, et al. *Boll Soc Ital Biol Sper* 54(7):620-5, 15 Apr 78 (Ita)
- [Changes in calcium balance in normal subjects and patients with osteoporosis and osteomalacia treated with vitamin D<sub>2</sub>] Terlizzi N, et al. *Reumatismo* 29(2-3):191-5, Apr-Sep 77 (Eng. Abstr.) (Ita)
- [Vitamin D<sub>3</sub> metabolism in renal failure (author's transl)] Ogura Y. *Nippon Naika Gakkai Zasshi* 67(7):683-93, 10 Jul 78 (46 ref.) (Jpn)
- [Pharmacological studies on supersensitization (IV). Site and mode of action of cocaine to potentiate acetylcholine in isolated tracheal preparation of rat (author's transl)] Gomi Y, et al. *Nippon Yakurigaku Zasshi* 74(5):539-48, Jul 78 (Eng. Abstr.) (Jpn)
- [Morphometric studies of the bone tissue in the rat following administration of hydrazide, ethionamide and streptomycin] Araszkiewicz Z, et al. *Pol Arch Med Wewn* 59(6):597-601, Jun 78 (Eng. Abstr.) (Pol)
- [Effect of hydrochlorothiazide on calcium-magnesium parameters in patients with recurrent nephrolithiasis] Musialik D, et al. *Pol Tyg Lek* 33(30):1173-5, 24 Jul 78 (Eng. Abstr.) (Pol)
- [Effect of hydrochlorothiazide on selected parameters of calcium and magnesium metabolism in immobilized patients] Pupek-Musialik D, et al. *Pol Tyg Lek* 33(34):1333-6, 21 Aug 78 (Eng. Abstr.) (Pol)
- [Effects of chlorfenwinfos and carbaryl on calcium and phosphorus metabolism in rat bones. III. Mechanical aspects of the effect of chlorfenwinfos on the mineral metabolism

- of bones] Garszel J, et al. *Rocz Panstw Zakl Hig* 29(3):249-54, 1978 (Eng. Abstr.) (Pol)
- [Isolation of glycoproteins from mitochondria and preparation of  $\text{H}^{++}$ -ATPase and study of their ability to induce selective transport of  $\text{Ca}^{2+}$  across bimolecular lipid membranes] Azarashvili TS, et al. *Biokhimiia* 43(7):1139-42, Jul 78 (Eng. Abstr.) (Rus)
- [Biochemical mechanisms of the action of cimetidine on the development of experimental stomach ulcers in rats] Grechishkin LL, et al. *Farmakol Toksikol* 41(5):590-4, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Effect of gastric resection on water-salt homeostasis] Goranskii AI. *Vestn Khir* 121(9):28-31, Sep 78 (Eng. Abstr.) (Rus)
- [Comparative study of the biological activity and toxic effect of 1 $\alpha$ -hydroxycholecalciferol and ergocalciferol in rats] Spirichev VB, et al. *Vopr Med Khim* 24(5):679-90, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Calcitonin and phosphate metabolism. Analysis of active calcium and phosphorus in children treated with Calcitar] Vulović D, et al. *Srp Arh Celok Lek* 105(11):967-74, Nov 77 (Eng. Abstr.) (Sec)
- [Comparative study of cardiotoxicity induced by maprotiline and imipramine in vitro: mechanism of action] Puche Cañas E, et al. *Arch Farmacol Toxicol* 4(1):50-9, Apr 78 (Eng. Abstr.) (Spa)
- [Effect of prenylamine on  $\text{Ca}$  uptake in the myocardium of rats treated with isoproterenol] Milei J. *Medicina (B Aires)* 38(3):271-5, May-Jun 78 (Eng. Abstr.) (Spa)

## CHOLECALCIFEROLS

- Influence of estrogen on renal vitamin D hydroxylases and serum 1 $\alpha$ ,25-(OH)<sub>2</sub>D<sub>3</sub> in chicks. Pike JW, et al. *Am J Physiol* 235(3):E338-43, Sep 78
- The chemistry and conformational and biological analysis of vitamin D<sub>3</sub>, its metabolites and analogues. Norman AW, et al. *Clin Endocrinol (Oxf)* 5 Suppl:121S-143S, 1976 (30 ref.)

### ADMINISTRATION & DOSAGE

- Bone changes induced by diphenylhydantoin in chicks on a controlled vitamin D intake. Villareale ME, et al. *J Bone Joint Surg [Am]* 60(7):911-6, Oct 78
- Deterioration of renal function during treatment of chronic renal failure with 1,25-dihydroxycholecalciferol. Christiansen C, et al. *Lancet* 2(8092 Pt 1):700-3, 30 Sep 78

### ADVERSE EFFECTS

- Deterioration of renal function during treatment of chronic renal failure with 1,25-dihydroxycholecalciferol. Christiansen C, et al. *Lancet* 2(8092 Pt 1):700-3, 30 Sep 78

### ANALOGS & DERIVATIVES

- The chemistry and conformational and biological analysis of vitamin D<sub>3</sub>, its metabolites and analogues. Norman AW, et al. *Clin Endocrinol (Oxf)* 5 Suppl:121S-143S, 1976 (30 ref.)

### ANALYSIS

- The chemistry and conformational and biological analysis of vitamin D<sub>3</sub>, its metabolites and analogues. Norman AW, et al. *Clin Endocrinol (Oxf)* 5 Suppl:121S-143S, 1976 (30 ref.)

### BIOSYNTHESIS

- The photobiogenesis and metabolism of vitamin D. Holick MF, et al. *Fed Proc* 37(12):2567-74, Oct 78

### BLOOD

- A specific assay of vitamin D-3 in human serum. Björkhem I, et al. *Clin Chim Acta* 88(3):559-67, 15 Sep 78

### DEFICIENCY

- Metabolic bone disease resembling osteosarcoma in a woolly monkey (*Lagothrix lagotricha*). Smith K, et al. *Lab Anim Sci* 28(4):451-6, Aug 78



## METABOLISM

- A survey of the hormonal factors that control calcium metabolism. MacIntyre I, et al. *Ann NY Acad Sci* 307:345-55, 28 Apr 78 (15 ref.)
- The vitamin D3 metabolite-type activity of Solanum malacoxylon. Basudde CD, et al. *Clin Endocrinol (Oxf)* 5 Suppl:109S-119S, 1976
- Recent advances in our understanding of the metabolism of vitamin D and its regulation. DeLuca HF. *Clin Endocrinol (Oxf)* 5 Suppl:97S-108S, 1976
- The action of vitamin D on bone. Edelstein S, et al. *Clin Endocrinol (Oxf)* 5 Suppl:145S-150S, 1976
- Regulation of vitamin D: an evolutionary view. MacIntyre I, et al. *Clin Endocrinol (Oxf)* 5 Suppl:85S-95S, 1976
- The chemistry and conformational and biological analysis of vitamin D3, its metabolites and analogues. Norman AW, et al. *Clin Endocrinol (Oxf)* 5 Suppl:121S-143S, 1976 (30 ref.)
- Effect of lead ingestion on vitamin D3 metabolism in Japanese quail. Baksi SN, et al.
- Res Commun Chem Pathol Pharmacol* 21(2):375-8, Aug 78
- [Intestinal absorption of cholecalciferol metabolites in the rat] Nechama H, et al. *Harefuah* 95(1):3-5, 2 Jul 78 (Eng. Abstr.) (Heb)
- [Vitamin D3 metabolism in renal failure (author's transl)] Ogura Y. *Nippon Naika Gakkai Zasshi* 67(7):683-93, 10 Jul 78 (46 ref.) (Jpn)

## PHARMACODYNAMICS

- Visualization of vitamin D-dependent calcium binding protein in chick intestinal tissue by immuno-scanning electron microscopy. Noda S, et al. *J Nutr Sci Vitaminol (Tokyo)* 24(3):331-4, 1978
- Inhibitory effect of cadmium on vitamin D-stimulated calcium transport in rat duodenum in vitro. Tsuruki F, et al. *J Nutr Sci Vitaminol (Tokyo)* 24(3):237-42, 1978
- Vitamin D3-induced calcium binding protein in bone tissue. Christakos S, et al. *Science* 202(4363):70-1, 6 Oct 78
- Effects of fat soluble vitamins (vitamin A, D3 and E) on axenically in vitro growth of *Hymenolepis microstoma*. Chowdhury N. *Z Parasitenkd* 56(1):29-38, 3 Jul 78

## PHYSIOLOGY

- Recent advances in our understanding of the metabolism of vitamin D and its regulation. DeLuca HF. *Clin Endocrinol (Oxf)* 5 Suppl:97S-108S, 1976
- Regulation of vitamin D: an evolutionary view. MacIntyre I, et al. *Clin Endocrinol (Oxf)* 5 Suppl:85S-95S, 1976
- The chemistry and conformational and biological analysis of vitamin D3, its metabolites and analogues. Norman AW, et al. *Clin Endocrinol (Oxf)* 5 Suppl:121S-143S, 1976 (30 ref.)

## RADIATION EFFECTS

- A specific assay of vitamin D-3 in human serum. Björkhem I, et al. *Clin Chim Acta* 88(3):559-67, 15 Sep 78

## THERAPEUTIC USE

- Deterioration of renal function during treatment of chronic renal failure with 1,25-dihydroxycholecalciferol. Christiansen C, et al. *Lancet* 2(8092 Pt 1):700-3, 30 Sep 78
- Rickets and vitamin D metabolism in primates. Hay AW, et al. *Proc Nutr Soc* 37(2):42A, Sep 78

## TOXICITY

- [Citrate metabolism in rats treated with Solanum glaucophyllum] Locatto ME, et al. *Medicina (B Aires)* 38(3):250-4, May-Jun 78 (Eng. Abstr.) (Spa)

## DIHYDROTACHYSTEROL

### ADMINISTRATION & DOSAGE

- [Vitamin D therapy of renal failure] Hirasawa Y, et al. *Nippon Rinsho Suppl*:2304-5, May 78 (Jpn)

### THERAPEUTIC USE

- [Vitamin D therapy of renal failure] Hirasawa Y, et al. *Nippon Rinsho Suppl*:2304-5, May 78 (Jpn)

## DIHYDROXYCHOLECALCIFEROLS

- The absolute configuration of the natural 25,26-dihydroxycholecalciferol. Redel J, et al. *FEBS Lett* 94(2):228-30, 15 Oct 78
- [24, 25-dihydroxycholecalciferol (editorial)] Dolev E. *Harefuah* 95(3-4):130-1, Aug 78 (Heb)

### ADMINISTRATION & DOSAGE

- Physiological regulation of calcium metabolism: the consequences of excess intake of 1,25-dihydroxycholecalciferol from natural sources. Wasserman RH. *Ann NY Acad Sci* 307:442-4, 28 Apr 78

### ADVERSE EFFECTS

- Deterioration of renal function during treatment of chronic renal failure with 1,25-dihydroxycholecalciferol. Christiansen C, et al. *Lancet* 2(8092 Pt 1):700-3, 30 Sep 78

### BLOOD

- The assay of 1alpha,25-dihydroxyvitamin D3: physiologic and pathologic modulation of circulating hormone levels. Haussler MR, et al. *Clin Endocrinol (Oxf)* 5 Suppl:151S-165S, 1976
- Serum 1,25-dihydroxyvitamin D levels in normal subjects and in patients with hereditary rickets or bone disease. Scriver CR, et al. *N Engl J Med* 299(18):976-9, 2 Nov 78

### ISOLATION & PURIFICATION

- The absolute configuration of the natural 25,26-dihydroxycholecalciferol. Redel J, et al. *FEBS Lett* 94(2):228-30, 15 Oct 78

### METABOLISM

- Influence of estrogen on renal vitamin D hydroxylases and serum 1alpha,25-(OH)2D3 in chicks. Pike JW, et al. *Am J Physiol* 235(3):E338-43, Sep 78
- Vitamin D and calcium transport. DeLuca HF. *Ann NY Acad Sci* 307:356-76, 28 Apr 78 (88 ref.)
- A survey of the hormonal factors that control calcium metabolism. MacIntyre I, et al. *Ann NY Acad Sci* 307:345-55, 28 Apr 78 (15 ref.)
- Some aspects of the hormonal control of cellular calcium metabolism. Rasmussen H, et al. *Ann NY Acad Sci* 307:391-401, 28 Apr 78
- Recent advances in our understanding of the metabolism of vitamin D and its regulation. DeLuca HF. *Clin Endocrinol (Oxf)* 5 Suppl:97S-108S, 1976
- The action of vitamin D on bone. Edelstein S, et al. *Clin Endocrinol (Oxf)* 5 Suppl:145S-150S, 1976
- Regulation of vitamin D: an evolutionary view. MacIntyre I, et al. *Clin Endocrinol (Oxf)* 5 Suppl:85S-95S, 1976
- The chemistry and conformational and biological analysis of vitamin D3, its metabolites and analogues. Norman AW, et al. *Clin Endocrinol (Oxf)* 5 Suppl:121S-143S, 1976 (30 ref.)
- The photobiogenesis and metabolism of vitamin D. Holick MF, et al. *Fed Proc* 37(12):2567-74, Oct 78
- Controversies regarding uremia and acquired defects in vitamin D3 metabolism. Avioli LV. *Kidney Int [Suppl]* (8):S36-8, Jun 78

### PHARMACODYNAMICS

- Some aspects of the hormonal control of cellular calcium metabolism. Rasmussen H, et al. *Ann NY Acad Sci* 307:391-401, 28 Apr 78
- Physiological regulation of calcium metabolism: the consequences of excess intake of 1,25-dihydroxycholecalciferol from natural sources. Wasserman RH. *Ann NY Acad Sci* 307:442-4, 28 Apr 78
- Effect of oestrogen and 1,25-dihydroxycholecalciferol on 25-hydroxycholecalciferol metabolism in primary chick kidney-cell cultures. Spanos E, et al. *Biochem J* 174(1):231-6, 15 Jul 78
- Incorporation of [3H]leucine into an actin-like protein in response to 1,25-dihydroxycholecalciferol in chick intestinal brush borders. Wilson PW, et al. *Biochem J* 173(2):627-31, 1 Aug 78
- Inhibitory effect of 25,26-dihydroxycholecalciferol on the rate of secretion of parathyroid hormone in goats. Care AD, et al. *J Endocrinol* 78(2):303-4, Aug 78
- Stimulatory effect of 1,25-dihydroxycholecalciferol-like

substances from *Solanum malacoxylon* and *Cestrum diurnum* on phosphate transport in chick jejunum. Peterlik M, et al. *J Nutr* 108(10):1673-9, Oct 78

The influence of 1,25-dihydroxycholecalciferol on the ultrastructural organization of skeletal muscle fibres. Morphometric analyses on vitamin D deficient or calcium deficient growing rats. Sjöström M, et al. *Med Biol* 56(4):209-15, Aug 78

Resorbing bone is chemotactic for monocytes. Mundy GR, et al. *Nature* 275(5676):132-5, 14 Sep 78

### PHYSIOLOGY

Recent advances in our understanding of the metabolism of vitamin D and its regulation. DeLuca HF.

*Clin Endocrinol (Oxf)* 5 Suppl:97S-108S, 1976

Regulation of vitamin D: an evolutionary view. MacIntyre I, et al. *Clin Endocrinol (Oxf)* 5 Suppl:85S-95S, 1976

The chemistry and conformational and biological analysis of vitamin D<sub>3</sub>, its metabolites and analogues. Norman AW, et al. *Clin Endocrinol (Oxf)* 5 Suppl:121S-143S, 1976 (30 ref.)

### THERAPEUTIC USE

Treatment of hypoparathyroidism with 1,25-dihydroxycholecalciferol. Hill LF, et al. *Clin Endocrinol (Oxf)* 5 Suppl:167S-173S, 1976

Deterioration of renal function during treatment of chronic renal failure with 1,25-dihydroxycholecalciferol. Christiansen C, et al. *Lancet* 2(8092 Pt 1):700-3, 30 Sep 78

### ERGOCALCIFEROL

#### ADMINISTRATION & DOSAGE

The continuing risk of vitamin-D intoxication. Davies M, et al. *Lancet* 2(8090):621-3, 16 Sep 78

[Changes in calcium balance in normal subjects and patients with osteoporosis and osteomalacia treated with vitamin D] Terlizzi N, et al. *Reumatismo* 29(2-3):191-5, Apr-Sep 77 (Eng. Abstr.) (Ita)

#### ADVERSE EFFECTS

Distinction between the common symptoms of the phosphate-depletion syndrome and glucocorticoid-induced disease. Goodman M, et al. *Am J Med* 65(5):868-72, Nov 78

#### BLOOD

A specific assay of vitamin D-3 in human serum. Björkhem I, et al. *Clin Chim Acta* 88(3):559-67, 15 Sep 78

#### PHARMACODYNAMICS

[Comparative study of the biological activity and toxic effect of 1alpha-hydroxycholecalciferol and ergocalciferol in rats] Spirichev VB, et al. *Vopr Med Khim* 24(5):679-90, Sep-Oct 78 (Eng. Abstr.) (Rus)

#### POISONING

The continuing risk of vitamin-D intoxication. Davies M, et al. *Lancet* 2(8090):621-3, 16 Sep 78

#### THERAPEUTIC USE

The continuing risk of vitamin-D intoxication. Davies M, et al. *Lancet* 2(8090):621-3, 16 Sep 78

Serum 1,25-dihydroxyvitamin D levels in normal subjects and in patients with hereditary rickets or bone disease. Scriver CR, et al. *N Engl J Med* 299(18):976-9, 2 Nov 78

Rickets and vitamin D metabolism in primates. Hay AW, et al. *Proc Nutr Soc* 37(2):42A, Sep 78

[Changes in calcium balance in normal subjects and patients with osteoporosis and osteomalacia treated with vitamin D] Terlizzi N, et al. *Reumatismo* 29(2-3):191-5, Apr-Sep 77 (Eng. Abstr.) (Ita)

[Comparative study of the biological activity and toxic effect of 1alpha-hydroxycholecalciferol and ergocalciferol in rats] Spirichev VB, et al. *Vopr Med Khim* 24(5):679-90, Sep-Oct 78 (Eng. Abstr.) (Rus)

#### TOXICITY

[Comparative study of the biological activity and toxic effect

of 1alpha-hydroxycholecalciferol and ergocalciferol in rats] Spirichev VB, et al. *Vopr Med Khim* 24(5):679-90, Sep-Oct 78 (Eng. Abstr.) (Rus)

### HYDROXYCHOLECALCIFEROLS

The absolute configuration of the natural

25,26-dihydroxycholecalciferol. Redel J, et al.

*FEBS Lett* 94(2):228-30, 15 Oct 78

[24, 25-dihydroxycholecalciferol (editorial)] Dolev E.

*Harefuah* 95(3-4):130-1, Aug 78 (Heb)

#### ADMINISTRATION & DOSAGE

25-hydroxycholecalciferol for prevention of 'milk fever' in dairy cows. Jorgensen NA, et al. *Vet Rec* 103(7):136-8, 12 Aug 78

[Long-term administration of 1-alpha-hydroxycholecalciferol in the treatment of postoperative hypoparathyroidism] Morii K, et al. *Hormon To Rinsho* 26(8):787-94, Aug 78 (Jpn)

#### ADVERSE EFFECTS

Deterioration of renal function during treatment of chronic renal failure with 1,25-dihydroxycholecalciferol. Christiansen C, et al. *Lancet* 2(8092 Pt 1):700-3, 30 Sep 78

#### BIOSYNTHESIS

[Parathyroid hormone and 25-hydroxycholecalciferol concentrations in the serum of patients with kidney transplantations and their radiological correlation] Kokot F, et al. *Z Gesamte Inn Med* 33(15):516-20, 1 Aug 78 (Eng. Abstr.) (Ger)

#### BLOOD

Kinetics of serum 25-hydroxyvitamin D in patients with acute renal failure. Pietrek J, et al. *Am J Clin Nutr* 31(10):1919-26, Oct 78

Avascular necrosis of bone after renal transplantation: role of parathyroid hormone and vitamin D. Page CM, et al. *Br Med J* 2(6138):664-5, 2 Sep 78

The assay of 1alpha,25-dihydroxyvitamin D<sub>3</sub>: physiologic and pathologic modulation of circulating hormone levels. Haussler MR, et al. *Clin Endocrinol (Oxf)* 5 Suppl:151S-165S, 1976

Iatrogenic rickets as a complication of a total parenteral nutrition program: the importance of providing calcium and vitamin D in the alimentation mixture. Gutcher GR, et al. *Clin Pediatr (Phila)* 17(11):817-9, Nov 78

Vitamin D status of elderly at home and institutionalised in hospital. Vir SC, et al. *Int J Vitam Nutr Res* 48(2):123-30, 1978

Response of plasma-25-hydroxyvitamin D to ultraviolet irradiation in long-stay geriatric patients. Corless D, et al. *Lancet* 2(8091):649-51, 23 Sep 78

Serum 1,25-dihydroxyvitamin D levels in normal subjects and in patients with hereditary rickets or bone disease. Scriver CR, et al. *N Engl J Med* 299(18):976-9, 2 Nov 78

Serum calcium, magnesium, phosphorus, alkaline phosphatase and 25-hydroxyvitamin D concentrations in children. Pettifor JM, et al. *S Afr Med J* 53(19):751-4, 13 May 78

Effect of anticonvulsant therapy on serum 25-hydroxyvitamin D level. Sumi K, et al. *Tohoku J Exp Med* 125(3):265-9, Jul 78

[25-hydroxyvitamin D in chronic kidney diseases] Pietrek J, et al. *Pol Arch Med Wewn* 59(6):633-9, Jun 78 (Eng. Abstr.) (Pol)

#### ISOLATION & PURIFICATION

The absolute configuration of the natural 25,26-dihydroxycholecalciferol. Redel J, et al. *FEBS Lett* 94(2):228-30, 15 Oct 78

#### METABOLISM

Influence of estrogen on renal vitamin D hydroxylases and serum 1alpha,25-(OH)<sub>2</sub>D<sub>3</sub> in chicks. Pike JW, et al. *Am J Physiol* 235(3):E338-43, Sep 78

Vitamin D and calcium transport. DeLuca HF.

*Ann NY Acad Sci* 307:356-76, 28 Apr 78 (88 ref.)

Some aspects of the hormonal control of cellular calcium metabolism. Rasmussen H, et al. *Ann NY Acad Sci* 307:391-401, 28 Apr 78

25-hydroxycholecalciferol-binding protein: partial purification from rat duodenal mucosa cells. Cloix JF, et



- al. *Biochem Biophys Res Commun* 83(4):1456-63, 29 Aug 78
- The 26-hydroxylation of 25-hydroxyvitamin D<sub>3</sub> in vitro by chick renal homogenates. Tanaka Y, et al.
- Biochem Biophys Res Commun* 83(1):7-13, 14 Jul 78
- Effect of oestrogen and 1,25-dihydroxycholecalciferol on 25-hydroxycholecalciferol metabolism in primary chick kidney-cell cultures. Spanos E, et al. *Biochem J* 174(1):231-6, 15 Jul 78
- Recent advances in our understanding of the metabolism of vitamin D and its regulation. DeLuca HF.
- Clin Endocrinol (Oxf)* 5 Suppl:97S-108S, 1976
- Hormone receptors and cyclic nucleotide metabolism in cancer cells. Martin TJ, et al. *Clin Endocrinol (Oxf)* 5 Suppl:373S-386S, 1976 (57 ref.)
- The chemistry and conformational and biological analysis of vitamin D<sub>3</sub>, its metabolites and analogues. Norman AW, et al. *Clin Endocrinol (Oxf)* 5 Suppl:121S-143S, 1976 (30 ref.)
- Vitamin D metabolism in bullfrogs and Japanese quail: effects of estradiol and prolactin. Baksi SN, et al.
- Gen Comp Endocrinol* 35(3):258-62, Jul 78
- Controversies regarding uremia and acquired defects in vitamin D<sub>3</sub> metabolism. Avioli LV. *Kidney Int [Suppl]* (8):S36-8, Jun 78
- [Intestinal absorption of cholecalciferol metabolites in the rat] Nechama H, et al. *Harefuah* 95(1):3-5, 2 Jul 78 (Eng. Abstr.) (Heb)

## PHARMACODYNAMICS

- Physiological regulation of calcium metabolism: the consequences of excess intake of 1,25-dihydroxycholecalciferol from natural sources. Wasserman RH. *Ann NY Acad Sci* 307:442-4, 28 Apr 78
- Effect of oestrogen and 1,25-dihydroxycholecalciferol on 25-hydroxycholecalciferol metabolism in primary chick kidney-cell cultures. Spanos E, et al. *Biochem J* 174(1):231-6, 15 Jul 78
- Incorporation of [3H]leucine into an actin-like protein in response to 1,25-dihydroxycholecalciferol in chick intestinal brush borders. Wilson PW, et al. *Biochem J* 173(2):627-31, 1 Aug 78
- The effect of 1-alpha-hydroxycholecalciferol on calcium and phosphorus metabolism in the lactating ewe. Braithwaite GD. *Br J Nutr* 40(2):387-92, Sep 78
- Effects of 1-alpha-hydroxyvitamin D<sub>3</sub> on serum calcium and immunoreactive parathyroid hormone in patients with chronic renal insufficiency. Pietrek J, et al.
- Int Urol Nephrol* 10(2):153-60, 1978
- Inhibitory effect of 25,26-dihydroxycholecalciferol on the rate of secretion of parathyroid hormone in goats. Care AD, et al. *J Endocrinol* 78(2):303-4, Aug 78
- Reversal of betamethasone-induced inhibition of intestinal calcium absorption by 1-alpha-hydroxycholecalciferol. Fox J, et al. *J Endocrinol* 78(2):187-94, Aug 78
- Stimulatory effect of 1,25-dihydroxycholecalciferol-like substances from Solanum malacoxylon and Cestrum diurnum on phosphate transport in chick jejunum. Peterlik M, et al. *J Nutr* 108(10):1673-9, Oct 78
- The influence of 1,25-dihydroxycholecalciferol on the ultrastructural organization of skeletal muscle fibres. Morphometric analyses on vitamin D deficient or calcium deficient growing rats. Sjöström M, et al. *Med Biol* 56(4):209-15, Aug 78
- [Comparative study of the biological activity and toxic effect of 1-alpha-hydroxycholecalciferol and ergocalciferol in rats] Spirichev VB, et al. *Vopr Med Khim* 24(5):679-90, Sep-Oct 78 (Eng. Abstr.) (Rus)

## PHYSIOLOGY

- The chemistry and conformational and biological analysis of vitamin D<sub>3</sub>, its metabolites and analogues. Norman AW, et al. *Clin Endocrinol (Oxf)* 5 Suppl:121S-143S, 1976 (30 ref.)
- Calcium homeostasis: regulatory elements and their integration. Arnaud CD. *Fed Proc* 37(12):2557-60, Oct 78

## RADIATION EFFECTS

- Response of plasma-25-hydroxyvitamin D to ultraviolet irradiation in long-stay geriatric patients. Corless D, et al. *Lancet* 2(8091):649-51, 23 Sep 78

## THERAPEUTIC USE

- Treatment of hypoparathyroidism with 1,25-dihydroxycholecalciferol. Hill LF, et al.
- Clin Endocrinol (Oxf)* 5 Suppl:167S-173S, 1976

- Effects of 1-alpha-hydroxyvitamin D<sub>3</sub> on serum calcium and immunoreactive parathyroid hormone in patients with chronic renal insufficiency. Pietrek J, et al.
- Int Urol Nephrol* 10(2):153-60, 1978
- 1-alpha-hydroxycholecalciferol and renal function [letter] Lund B, et al. *Lancet* 2(8092 Pt 1):731, 30 Sep 78
- 25-hydroxycholecalciferol for prevention of 'milk fever' in dairy cows. Jorgensen NA, et al. *Vet Rec* 103(7):136-8, 12 Aug 78
- [Cattle calcinosis in Austria. VI. Demonstration of a 1,25-dihydroxycholecalciferol-like substance as the cause of the anti-rachitic effect of Trisetum flavescens in chicks and quail] Köhler H, et al. *Zentralbl Veterinaermed [A]* 25(4):253-70, May 78 (Eng. Abstr.) (Ger)
- [Treatment of postoperative hypoparathyroidism with 1-alpha-hydroxycholecalciferol] Marinowska E, et al.
- Pol Arch Med Wewn* 59(6):666-72, Jun 78 (Pol)
- [25-hydroxyvitamin D in chronic kidney diseases] Pietrek J, et al. *Pol Arch Med Wewn* 59(6):633-9, Jun 78 (Eng. Abstr.) (Pol)
- [Comparative study of the biological activity and toxic effect of 1-alpha-hydroxycholecalciferol and ergocalciferol in rats] Spirichev VB, et al. *Vopr Med Khim* 24(5):679-90, Sep-Oct 78 (Eng. Abstr.) (Rus)

## TOXICITY

- [Comparative study of the biological activity and toxic effect of 1-alpha-hydroxycholecalciferol and ergocalciferol in rats] Spirichev VB, et al. *Vopr Med Khim* 24(5):679-90, Sep-Oct 78 (Eng. Abstr.) (Rus)

## HYPERCALCEMIA

- Glucose and lipoprotein metabolism in primary hyperparathyroidism. Effects of parathyroidectomy. Ljunghall S, et al. *Acta Endocrinol (Copenh)* 89(3):580-9, Nov 78

## BLOOD

- Pathogenesis of hypercalcemia in lymphosarcoma cell leukemia. Role of an osteoclast activating factor-like substance and a mechanism of action for glucocorticoid therapy. Mundy GR, et al. *Am J Med* 65(4):600-6, Oct 78
- Interlaboratory comparison of radioimmunological parathyroid hormone determination. Eur J Clin Invest 8(3):149-54, Jun 78

## CHEMICALLY INDUCED

- Deterioration of renal function during treatment of chronic renal failure with 1,25-dihydroxycholecalciferol. Christiansen C, et al. *Lancet* 2(8092 Pt 1):700-3, 30 Sep 78
- The continuing risk of vitamin-D intoxication. Davies M, et al. *Lancet* 2(8090):621-3, 16 Sep 78
- 1-alpha-hydroxycholecalciferol and renal function [letter] Lund B, et al. *Lancet* 2(8092 Pt 1):731, 30 Sep 78
- Hypercalcaemia and hypokalaemia in tuberculosis. Bradley GW, et al. *Thorax* 33(4):464-7, Aug 78

## COMPLICATIONS

- Leukemic myelomatosis (plasma cell leukemia). Zawadzki ZA, et al. *Am J Clin Pathol* 70(4):605-11, Oct 78
- Hyperparathyroidism and coexisting diabetes mellitus. Altered carbohydrate metabolism. Akgun S, et al.
- Arch Intern Med* 138(10):1500-2, Oct 78
- A case of atrial bigeminy. Schamroth L, et al. *Chest* 74(3):296-7, Sep 78
- Renal insufficiency and hypercalcemia. Thier SO.
- Kidney Int* 14(2):194-200, Aug 78
- Hypercalcaemia and hypokalaemia in tuberculosis. Bradley GW, et al. *Thorax* 33(4):464-7, Aug 78
- Hypercalcemia, metastatic calcifications and cardiac abnormalities. Millman WL, et al. *Wis Med J* 77(9):S91-4, Sep 78
- [Toxic forms of hypercalcemia caused by hyperparathyroidism] Proye C, et al.
- Anesth Analg (Paris)* 35(2):333-8, Mar-Apr 78 (Fre)

## DIAGNOSIS

- Hypercalcemia and head and neck cancer. Bony metastases from tongue cancer. Liston SL. *Arch Otolaryngol* 104(10):597-600, Oct 78
- The continuing risk of vitamin-D intoxication. Davies M, et al. *Lancet* 2(8090):621-3, 16 Sep 78

- [Anesthesia-intensive care treatment of acute parathyroid crisis (apropos of 10 cases)] Jehanno C, et al.  
*Anesth Analg (Paris)* 35(2):339-50, Mar-Apr 78 (Fre)  
 [Toxic forms of hypercalcemia caused by hyperparathyroidism] Proye C, et al.  
*Anesth Analg (Paris)* 35(2):333-8, Mar-Apr 78 (Fre)  
 [Current aspects of anesthesia-intensive care in surgery of hyperparathyroidism] Souron R, et al.  
*Anesth Analg (Paris)* 35(2):307-20, Mar-Apr 78 (Fre)  
 [Hypercalcemia and biologically active parathyroid hormone] Milhaud G, et al. *Sem Hop Paris* 54(13-16):489-95, May 78 (Eng. Abstr.) (Fre)

## DRUG THERAPY

- Salmon calcitonin in the acute treatment of moderate and severe hypercalcemia in man. Nilsson O, et al.  
*Acta Med Scand* 204(4):249-52, 1978  
 Management of hypercalcaemic crisis [editorial] *Lancet* 2(8090):617-8, 16 Sep 78  
 Role of antitumor antibiotics in current oncologic practice. Davis HL Jr, et al. *Recent Results Cancer Res* 63:21-9, 1978 (73 ref.)

## ETIOLOGY

- Pathogenesis of hypercalcemia in lymphosarcoma cell leukemia. Role of an osteoclast activating factor-like substance and a mechanism of action for glucocorticoid therapy. Mundy GR, et al. *Am J Med* 65(4):600-6, Oct 78  
 Hypercalcemia and head and neck cancer. Bony metastases from tongue cancer. Liston SL. *Arch Otolaryngol* 104(10):597-600, Oct 78  
 Hyperparathyroidism. Barsotti M. *Ariz Med* 35(9):591-3, Sep 78  
 Role of prostaglandins in the production of hypercalcemia by tumors. Tashjian AH Jr. *Cancer Res* 38(11 Pt 2):4138-41, Nov 78  
 The role of prostaglandins in the pathogenesis of human disease: elucidation with stable isotopic methods. pp. 281-7. Oates JA, et al.  
 In: Baillie TA, ed. *Stable isotopes*. Baltimore, Univ Park Press, 1978. QV 20.5 161s 1978.  
 Keto-analogues of essential amino acids in the treatment of chronic renal failure. Walser M. *Kidney Int [Suppl]* (8):S180-4, Jun 78  
 Management of hypercalcaemic crisis [editorial] *Lancet* 2(8090):617-8, 16 Sep 78  
 Recurrent hyperparathyroidism from an autotransplanted parathyroid adenoma. Brennan MF, et al.  
*N Engl J Med* 299(19):1057-9, 9 Nov 78  
 Acute phase of sarcoidosis with splenomegaly and hypercalcemia. Description of a case, including a report about splenectomy and the preparation and testing of a Kveim antigen from the spleen. Nilsson BS, et al.  
*Scand J Respir Dis* 59(4):199-209, Aug 78  
 Serum parathormone in the identification and surgical management of hyperparathyroidism. Bradley EL III, et al.  
*South Med J* 71(10):1234-7, Oct 78  
 Pseudohyperparathyroidism associated with perirectal adenocarcinomas in elderly female dogs. Rijnberk A, et al. *Tijdschr Diergeneesk* 103(20):1069-75, 15 Oct 78  
 [Anesthesia-intensive care treatment of acute parathyroid crisis (apropos of 10 cases)] Jehanno C, et al.  
*Anesth Analg (Paris)* 35(2):339-50, Mar-Apr 78 (Fre)  
 [Toxic forms of hypercalcemia caused by hyperparathyroidism] Proye C, et al.  
*Anesth Analg (Paris)* 35(2):333-8, Mar-Apr 78 (Fre)  
 [Clinical picture and diagnosis of primary hyperparathyroidism] Spelsberg F, et al.  
*Wien Med Wochenschr* 128(16):513-6, 1978 (Ger)  
 [Detection of primary parathyroid hyperfunction in a case] Káldi N, et al. *Orv Hetil* 119(38):2323-6, 17 Sep 78 (Hun)  
 [Hypercalcemia caused by malignant tumor--emergency treatment] Abe K. *Nippon Rinsho Suppl*:1602-3, May 78 (Jpn)

## METABOLISM

- Hypercalcemia, metastatic calcifications and cardiac abnormalities. Millman WL, et al. *Wis Med J* 77(9):S91-4, Sep 78

## PATHOLOGY

- [Clinico-pathological conference LIII. Hypercalcemia and malignant infiltration of the liver] Tikkanen MJ, et al.  
*Duodecim* 94(17):1059-70, 1978 (Fin)  
 [Pallido-dentate calcifications (apropos of 7 anatomo-clinical

- case reports)] Constantinidis J, et al.  
*Schweiz Arch Neurol Neurochir Psychiatr* 122(2):237-51, 1978 (Eng. Abstr.) (Fre)

## PHYSIOPATHOLOGY

- The role of prostaglandins in the pathogenesis of human disease: elucidation with stable isotopic methods. pp. 281-7. Oates JA, et al.  
 In: Baillie TA, ed. *Stable isotopes*. Baltimore, Univ Park Press, 1978. QV 20.5 161s 1978.  
 1alpha-hydroxycholecalciferol and renal function [letter] Lund B, et al. *Lancet* 2(8092 Pt 1):731, 30 Sep 78

## PREVENTION &amp; CONTROL

- [Current aspects of anesthesia-intensive care in surgery of hyperparathyroidism] Souron R, et al.  
*Anesth Analg (Paris)* 35(2):307-20, Mar-Apr 78 (Fre)

## THERAPY

- Hypercalcemia and head and neck cancer. Bony metastases from tongue cancer. Liston SL. *Arch Otolaryngol* 104(10):597-600, Oct 78  
 Emergencies in oncology. Current management. Stolinsky DC. *West J Med* 129(3):169-76, Sep 78 (77 ref.)  
 [Anesthesia-intensive care treatment of acute parathyroid crisis (apropos of 10 cases)] Jehanno C, et al.  
*Anesth Analg (Paris)* 35(2):339-50, Mar-Apr 78 (Fre)  
 [The value of supportive therapy in the treatment of malignant tumors] Matthias M. *Z Gesamte Inn Med* 33(14):485-97, 15 Jul 78 (38 ref.) (Eng. Abstr.) (Ger)  
 [Hypercalcemia caused by malignant tumor--emergency treatment] Abe K. *Nippon Rinsho Suppl*:1602-3, May 78 (Jpn)

## VETERINARY

- Pseudohyperparathyroidism associated with perirectal adenocarcinomas in elderly female dogs. Rijnberk A, et al. *Tijdschr Diergeneesk* 103(20):1069-75, 15 Oct 78

## OSTEITIS FIBROSA CYSTICA

## BLOOD

- [Detection of primary parathyroid hyperfunction in a case] Káldi N, et al. *Orv Hetil* 119(38):2323-6, 17 Sep 78 (Hun)

## ETIOLOGY

- Role of parathyroid hormone in uremic toxicity. Massry SG, et al. *Kidney Int [Suppl]* (8):S39-42, Jun 78  
 [Detection of primary parathyroid hyperfunction in a case] Káldi N, et al. *Orv Hetil* 119(38):2323-6, 17 Sep 78 (Hun)

## OSTEOGENESIS IMPERFECTA

- The spine in osteogenesis imperfecta. Benson DR, et al.  
*J Bone Joint Surg [Am]* 60(7):925-9, Oct 78  
 [Osteogenesis imperfecta. Classification with new aspects for pathogenesis and therapy (author's transl)] Harnisch R, et al. *Monatsschr Kinderheilk* 126(10):597-606, Oct 78 (139 ref.) (Eng. Abstr.) (Ger)

## CLASSIFICATION

- [Osteogenesis imperfecta: biochemical characterization of various groups] Matzen K, et al. *Z Orthop* 116(4):585-6, Aug 78 (Ger)

## COMPLICATIONS

- Osteogenic sarcoma complicating osteogenesis imperfecta tarda. Lasson U, et al. *Eur J Pediatr* 129(3):215-8, 12 Oct 78  
 A case of osteogenesis imperfecta, malignant hyperthermia susceptible--anesthetic management. pp. 409-18. dePinna GA.  
 In: Aldrete JA, Britt BA, ed. *Malignant hyperthermia*. New York, Grune & Stratton, 1978. W3 IN919GK 1977s.  
 The spine in osteogenesis imperfecta. Benson DR, et al.  
*J Bone Joint Surg [Am]* 60(7):925-9, Oct 78



[Case of osteogenesis imperfecta with congenital ectasia of the renal pelvis and kidney calculi] Gilunova NI, et al. *Klin Med (Mosk)* 56(8):122-4, Aug 78 (Rus)

## CONGENITAL

[Congenital osteogenesis imperfecta] Zajadacz B. *Wiad Lek* 31(12):853-7, 15 Jun 78 (Eng. Abstr.) (Pol)

## DIAGNOSIS

[Osteogenesis imperfecta. Classification with new aspects for pathogenesis and therapy (author's transl)] Harnisch R, et al. *Monatsschr Kinderheilkd* 126(10):597-606, Oct 78 (139 ref.) (Eng. Abstr.) (Ger)

## DRUG THERAPY

[Osteogenesis imperfecta. Classification with new aspects for pathogenesis and therapy (author's transl)] Harnisch R, et al. *Monatsschr Kinderheilkd* 126(10):597-606, Oct 78 (139 ref.) (Eng. Abstr.) (Ger)

[Calcitonin and phosphate metabolism. Analysis of active calcium and phosphorus in children treated with Calcitar] Vulović D, et al. *Srp Arh Celok Lek* 105(11):967-74, Nov 77 (Eng. Abstr.) (Sec)

## ETIOLOGY

[Osteogenesis imperfecta. Classification with new aspects for pathogenesis and therapy (author's transl)] Harnisch R, et al. *Monatsschr Kinderheilkd* 126(10):597-606, Oct 78 (139 ref.) (Eng. Abstr.) (Ger)

## FAMILIAL & GENETIC

[Biochemical basis for osteochondrodysplasias and other orthopedic diseases] Svejcar J. *Z Orthop* 116(4):544-6, Aug 78 (Ger)

[Congenital osteogenesis imperfecta] Zajadacz B. *Wiad Lek* 31(12):853-7, 15 Jun 78 (Eng. Abstr.) (Pol)

## METABOLISM

[Calcitonin and phosphate metabolism. Analysis of active calcium and phosphorus in children treated with Calcitar] Vulović D, et al. *Srp Arh Celok Lek* 105(11):967-74, Nov 77 (Eng. Abstr.) (Sec)

## RADIOGRAPHY

The spine in osteogenesis imperfecta. Benson DR, et al. *J Bone Joint Surg [Am]* 60(7):925-9, Oct 78

## OSTEOMALACIA

[Rickets and osteomalacia] Yoshikawa S. *Nippon Rinsho Suppl*:2350-1, May 78 (Jpn)

## CHEMICALLY INDUCED

[Radiological appearance of skeletal system and biochemical changes in patients on long-term treatment with diphenylhydantion (author's transl)] Pupek-Musialik D, et al. *Pol Przegl Radiol* 42(2):139-43, Mar-Apr 78 (Eng. Abstr.) (Pol)

## DIAGNOSIS

Unusual fractures associated with osteoporosis in premenopausal women. Richardson RM, et al. *Can Med Assoc J* 119(5):473-6, 9 Sep 78

## DRUG THERAPY

[Changes in calcium balance in normal subjects and patients with osteoporosis and osteomalacia treated with vitamin D 2] Terlizzi N, et al. *Reumatismo* 29(2-3):191-5, Apr-Sep 77 (Eng. Abstr.) (Ita)

[Phosphorus and calcium metabolism disorders in gastrectomized patients] Puşcaş I. *Rev Med Interna [Med Interna]* 30(4):289-98, Jul-Aug 78 (30 ref.) (Rum)

## ETIOLOGY

Dialysis dementia, osteomalacic fractures and myopathy: a syndrome due to chronic aluminum intoxication [editorial]

Pierides AM. *Int J Artif Organs* 1(5):206-8, Sep 78

Low-protein diets and bone disease in chronic renal failure. Fiaschi E, et al. *Kidney Int [Suppl]* (8):S79-82, Jun 78

Hand changes in primary biliary cirrhosis. O'Connell DJ, et al. *Radiology* 129(1):31-5, Oct 78

[The overgrowth of cartilaginous and fibrous structures in Paget's Disease (author's transl)] Fried K. *Radiologie* 18(9):362-8, Sep 78 (Eng. Abstr.) (Ger)

[Rickets and osteomalacia] Yoshikawa S. *Nippon Rinsho Suppl*:2350-1, May 78 (Jpn)

[Phosphorus and calcium metabolism disorders in gastrectomized patients] Puşcaş I. *Rev Med Interna [Med Interna]* 30(4):289-98, Jul-Aug 78 (30 ref.) (Rum)

## METABOLISM

An epidemiological and biochemical study on osteomalacia among pregnant women in Egypt. Abd-el-Fattah M, et al. *Z Ernahrungswiss* 17(3):140-4, Sep 78

[Changes in calcium balance in normal subjects and patients with osteoporosis and osteomalacia treated with vitamin D 2] Terlizzi N, et al. *Reumatismo* 29(2-3):191-5, Apr-Sep 77 (Eng. Abstr.) (Ita)

## NURSING

Patient teaching in metabolic bone disease. Hitch M. *ONA J* 5(9):10-2, Sep 78

## PATHOLOGY

Poorly mineralized osteoid bone and its staining in paraffin sections. Ráliš HM, et al. *Med Lah Sci* 35(3):293-303, Jul 78

## PREVENTION & CONTROL

Response of plasma-25-hydroxyvitamin D to ultraviolet irradiation in long-stay geriatric patients. Corless D, et al. *Lancet* 2(8091):649-51, 23 Sep 78

## RADIOGRAPHY

Hand changes in primary biliary cirrhosis. O'Connell DJ, et al. *Radiology* 129(1):31-5, Oct 78

[Renal osteopathy (author's transl)] Věšin S. *Cesk Radiol* 32(4):257-65, Jul 78 (Eng. Abstr.) (Cze)

[Radiological appearance of skeletal system and biochemical changes in patients on long-term treatment with diphenylhydantion (author's transl)] Pupek-Musialik D, et al. *Pol Przegl Radiol* 42(2):139-43, Mar-Apr 78 (Eng. Abstr.) (Pol)

## THERAPY

The Jekyll-and-Hyde syndrome: an example of disturbed relations affecting the elderly. Boyd RV, et al. *Lancet* 2(8091):671-2, 23 Sep 78

## OSTEOPETROSIS

## COMPLICATIONS

Neuroaxonal dystrophy and osteopetrosis [letter] Fitch N, et al. *Ann Neurol* 4(1):91-2, Jul 78

## DIAGNOSIS

[Albers-Schoenberg disease] Stańska M, et al. *Pediatr Pol* 53(7):885-8, Jul 78 (Pol)

## ETIOLOGY

[Osteopetrosis in mice caused by ectomesenchymal lesions] Osipov VV, et al. *Arkhn Anat Gistol Emhriol* 75(8):36-42, Aug 78 (Eng. Abstr.) (Rus)

## IMMUNOLOGY

The role of lymphoid cells in bone resorption: cellular immunological competence in ia rats. Schneider GB. *Am J Anat* 153(2):305-19, Oct 78

## PATHOLOGY

The role of lymphoid cells in bone resorption: cellular immunological competence in ia rats. Schneider GB.

Am J Anat 153(2):305-19, Oct 78

## OSTEOPOROSIS

[Postmenopausal osteoporosis] Inoue T. Nippon Rinsho Suppl:1598-9, May 78 (Jpn)

### CHEMICALLY INDUCED

[Treatment of steroid-induced osteoporosis with thyrocalcitonin in chronic dermatoses] Rutshtein LG, et al. Vestn Dermatol Venerol (7):85-7, Jul 78 (Eng. Abstr.) (Rus)

### COMPLICATIONS

Stress fracture after high tibial osteotomy: a case report. Neuwirth M. Bull Hosp Joint Dis 39(1):92-9, Apr 78  
Unusual fractures associated with osteoporosis in premenopausal women. Richardson RM, et al. Can Med Assoc J 119(5):473-6, 9 Sep 78  
Methylmethacrylate as an adjunct in the internal fixation of intertrochanteric fractures of the femur. Schatzker J, et al. J Trauma 18(10):732-5, Oct 78

### DIAGNOSIS

Osteoporosis: effects of calcium. Albanese AA, et al. Am Fam Physician 18(4):160-7, Oct 78  
Regional migratory osteoporosis. A denervation disease. McCord WC, et al. Arthritis Rheum 21(7):834-8, Sep-Oct 78  
[Rare radiographic findings in the differential diagnosis of ankylosing spinal syndromes] Pohl W. Verh Dtsch Ges Rheumatol 5:416-8, 1978 (Ger)

### DIET THERAPY

Osteoporosis: effects of calcium. Albanese AA, et al. Am Fam Physician 18(4):160-7, Oct 78

### DRUG THERAPY

Distinction between the common symptoms of the phosphate-depletion syndrome and glucocorticoid-induced disease. Goodman M, et al. Am J Med 65(5):868-72, Nov 78  
Restraint in use of high-dose fluorides to treat skeletal disorders [editorial] Marx SJ. JAMA 240(15):1630-1, 6 Oct 78  
1alpha-hydroxycholecalciferol and renal function [letter] Lund B, et al. Lancet 2(8092 Pt 1):731, 30 Sep 78  
[Clinical trial of the calcitonin hormone in orthopedic pathology and trauma] Verrina F. Chir Organi Mov 63(6):551-7, 1977 (Eng. Abstr.) (Ita)  
[Changes in calcium balance in normal subjects and patients with osteoporosis and osteomalacia treated with vitamin D 2] Terlizzi N, et al. Reumatismo 29(2-3):191-5, Apr-Sep 77 (Eng. Abstr.) (Ita)  
[Phosphorus and calcium metabolism disorders in gastrectomized patients] Puşcaş I. Rev Med Interna [Med Interna] 30(4):289-98, Jul-Aug 78 (30 ref.) (Rum)  
[Treatment of steroid-induced osteoporosis with thyrocalcitonin in chronic dermatoses] Rutshtein LG, et al. Vestn Dermatol Venerol (7):85-7, Jul 78 (Eng. Abstr.) (Rus)

### ETIOLOGY

Osteoarthropathy of hepatolenticular degeneration. Canelas HM, et al. Acta Neurol Scand 57(6):481-7, Jun 78  
Osteoporosis: effects of calcium. Albanese AA, et al. Am Fam Physician 18(4):160-7, Oct 78  
Nutrition—phase one of the edentulous patient. Barone JV. J Prosthet Dent 40(2):122-6, Aug 78  
[Changes of bone tissue in rats during lactation (author's transl)] Rožcova L. Sb Lek 80(10):303-9, Oct 78 (Eng. Abstr.) (Cze)  
[Osteoporosis in Tunisia. II. Study of several etiological factors] Boukhris R. Tunis Med 56(1):5-12, Jan-Feb 78 (Fre)  
[Bilateral spontaneous femoral neck fracture in severe pregnancy osteoporosis] Jung D, et al. Chirurg 49(8):523-4, Aug 78 (Ger)  
[Plasmacytoma] Hartwich G. Fortschr Med 96(36):1809-15, 28 Sep 78 (Ger)  
[The development of osteoporosis. A new concept]

Krokowski E, et al. Med Welt 29(38):1483-90, 22 Sep 78 (Ger)  
[Postmenopausal osteoporosis] Inoue T. Nippon Rinsho Suppl:1598-9, May 78 (Jpn)  
[Phosphorus and calcium metabolism disorders in gastrectomized patients] Puşcaş I. Rev Med Interna [Med Interna] 30(4):289-98, Jul-Aug 78 (30 ref.) (Rum)  
[Keratoderma of the hands and feet accompanied by ulcer formation with bone deformation and mutilation] Belkin BG, et al. Vestn Dermatol Venerol (10):46-9, Oct 78 (Eng. Abstr.) (Rus)

### METABOLISM

[Changes in calcium balance in normal subjects and patients with osteoporosis and osteomalacia treated with vitamin D 2] Terlizzi N, et al. Reumatismo 29(2-3):191-5, Apr-Sep 77 (Eng. Abstr.) (Ita)

### NURSING

Patient teaching in metabolic bone disease. Hitch M. ONA J 5(9):10-2, Sep 78

### OCCURRENCE

[Osteoporosis in Tunisia. II. Study of several etiological factors] Boukhris R. Tunis Med 56(1):5-12, Jan-Feb 78 (Fre)

### PATHOLOGY

Unusual fractures associated with osteoporosis in premenopausal women. Richardson RM, et al. Can Med Assoc J 119(5):473-6, 9 Sep 78  
[Changes of bone tissue in rats during lactation (author's transl)] Rožcova L. Sb Lek 80(10):303-9, Oct 78 (Eng. Abstr.) (Cze)  
[Keratoderma of the hands and feet accompanied by ulcer formation with bone deformation and mutilation] Belkin BG, et al. Vestn Dermatol Venerol (10):46-9, Oct 78 (Eng. Abstr.) (Rus)

### PHYSIOPATHOLOGY

Regional migratory osteoporosis. A denervation disease. McCord WC, et al. Arthritis Rheum 21(7):834-8, Sep-Oct 78  
1alpha-hydroxycholecalciferol and renal function [letter] Lund B, et al. Lancet 2(8092 Pt 1):731, 30 Sep 78

### PREVENTION & CONTROL

Effects on intact femora of dogs of the application and removal of metal plates. A metabolic and structural study comparing stiffer and more flexible plates. Moyer BJ, et al. J Bone Joint Surg [Am] 60(7):940-7, Oct 78  
Estrogen and the postmenopausal breast. Mammographic considerations. Peck DR, et al. JAMA 240(16):1733-5, 13 Oct 78  
[Postmenopausal osteoporosis] Inoue T. Nippon Rinsho Suppl:1598-9, May 78 (Jpn)

### RADIOGRAPHY

Stress fracture after high tibial osteotomy: a case report. Neuwirth M. Bull Hosp Joint Dis 39(1):92-9, Apr 78  
Unusual fractures associated with osteoporosis in premenopausal women. Richardson RM, et al. Can Med Assoc J 119(5):473-6, 9 Sep 78  
[Bilateral spontaneous femoral neck fracture in severe pregnancy osteoporosis] Jung D, et al. Chirurg 49(8):523-4, Aug 78 (Ger)  
[A rare type of bone involvement in scleroderma (author's transl)] Bem Z, et al. Pol Przegl Radiol 42(2):115-7, Mar-Apr 78 (Eng. Abstr.) (Pol)  
[Role of direct radiographic magnification in the evaluation of various morphological changes] Rokhlin GD, et al. Arkh Anat Gistol Embriol 75(8):83-6, Aug 78 (Eng. Abstr.) (Rus)

### RADIONUCLIDE IMAGING

Osteoarthropathy of hepatolenticular degeneration. Canelas HM, et al. Acta Neurol Scand 57(6):481-7, Jun 78

### THERAPY

Osteoporosis and current therapy. Mueller MN.



# PARATHYROID AND BONE

# RICKETS

Wis Med J 77(8):S73-4, Aug 78

## PSEUDOHYPOPARATHYROIDISM

[Pseudohypoparathyroidism and pseudopseudohypoparathyroidism] Ogata E. *Nippon Rinsho Suppl*:1512-3, May 78 (Jpn)

### METABOLISM

[Pseudohypoparathyroidism and pseudopseudohypoparathyroidism] Ogata E. *Nippon Rinsho Suppl*:1512-3, May 78 (Jpn)

## PSEUDOPSEUDOHYPOPARATHYR

[Pseudohypoparathyroidism and pseudopseudohypoparathyroidism] Ogata E. *Nippon Rinsho Suppl*:1512-3, May 78 (Jpn)

### METABOLISM

[Pseudohypoparathyroidism and pseudopseudohypoparathyroidism] Ogata E. *Nippon Rinsho Suppl*:1512-3, May 78 (Jpn)

## RENAL OSTEODYSTROPHY

### BLOOD

[Use of Aloglutamol in uremic patients on dialysis (author's transl)] Bonanno A, et al. *Urol Int* 33(4):213-21, 1978 (Eng. Abstr.) (Fre)

### COMPLICATIONS

Roentgenogram of the month. Multiple bilateral rib fractures with extrapleural masses. Shin MS. *Chest* 74(4):449-50, Oct 78

[A case of Bartter's syndrome with special reference to the pathogenesis (author's transl)] Sasaki H, et al. *Nippon Naika Gakkai Zasshi* 66(2):193-204, 10 Feb 77 (Jpn)

### DIAGNOSIS

[Evaluation of renal osteodystrophy after transplant. Radiological-biopic correlations (author's transl)] Gavelli G, et al. *Radiol Med (Torino)* 64(3):325-34, Mar 78 (Ita)

### DRUG THERAPY

[Use of Aloglutamol in uremic patients on dialysis (author's transl)] Bonanno A, et al. *Urol Int* 33(4):213-21, 1978 (Eng. Abstr.) (Fre)

### ETIOLOGY

Secondary bone alterations of patients with medullary sponge kidney. Gyarmati J, et al. *Radiol Diagn (Berl)* 19(3):361-8, Jun 78 (Eng. Abstr.)

[Evaluation of renal osteodystrophy after transplant. Radiological-biopic correlations (author's transl)] Gavelli G, et al. *Radiol Med (Torino)* 64(3):325-34, Mar 78 (Ita)

[Etiology of renal osteodystrophy] Ogura Y, et al. *Nippon Rinsho Suppl*:2326-7, May 78 (Jpn)

### METABOLISM

Bone mineral loss during maintenance hemodialysis. Rickers H, et al. *Acta Med Scand* 204(4):263-7, 1978

### PATHOLOGY

Temporo-mandibular joint changes in renal osteodystrophy. Cappelini G, et al. *Radiol Clin (Basel)* 47(5):330-3, 1978

### PREVENTION & CONTROL

Bone mineral loss during maintenance hemodialysis. Rickers H, et al. *Acta Med Scand* 204(4):263-7, 1978

Deterioration of renal function during treatment of chronic renal failure with 1,25-dihydroxycholecalciferol. Christiansen C, et al. *Lancet* 2(8092 Pt 1):700-3, 30 Sep 78

[25-hydroxyvitamin D in chronic kidney diseases] Pietrek J, et al. *Pol Arch Med Wewn* 59(6):633-9, Jun 78 (Eng. Abstr.) (Pol)

### RADIOGRAPHY

Roentgenogram of the month. Multiple bilateral rib fractures with extrapleural masses. Shin MS. *Chest* 74(4):449-50, Oct 78

Temporo-mandibular joint changes in renal osteodystrophy. Cappelini G, et al. *Radiol Clin (Basel)* 47(5):330-3, 1978

[Renal osteopathy (author's transl)] Věšin S. *Cesk Radiol* 32(4):257-65, Jul 78 (Eng. Abstr.) (Cze)

[Evaluation of renal osteodystrophy after transplant. Radiological-biopic correlations (author's transl)] Gavelli G, et al. *Radiol Med (Torino)* 64(3):325-34, Mar 78 (Ita)

### RADIONUCLIDE IMAGING

Imaging: radioisotope imaging of bone. Ell PJ, et al. *Br J Hosp Med* 20(2):149-54, Aug 78

## RICKETS

What is 'rickets'? [letter] Eastwood JB, et al.

*N Engl J Med* 299(17):960, 26 Oct 78

[Vitamin D dependency] Tsuchiya Y. *Nippon Rinsho Suppl*:1436-7, May 78 (Jpn)

[Rickets and osteomalacia] Yoshikawa S. *Nippon Rinsho Suppl*:2350-1, May 78 (Jpn)

### BLOOD

Iatrogenic rickets as a complication of a total parenteral nutrition program: the importance of providing calcium and vitamin D in the alimentation mixture. Gutcher GR, et al. *Clin Pediatr (Phila)* 17(11):817-9, Nov 78

Serum 1,25-dihydroxyvitamin D levels in normal subjects and in patients with hereditary rickets or bone disease. Scriver CR, et al. *N Engl J Med* 299(18):976-9, 2 Nov 78

### CHEMICALLY INDUCED

Bone changes induced by diphenylhydantoin in chicks on a controlled vitamin D intake. Villareale ME, et al. *J Bone Joint Surg [Am]* 60(7):911-6, Oct 78

### COMPLICATIONS

Fractured ribs: unusual presentation of rickets in premature infants. Geggel RL, et al. *J Pediatr* 93(4):680-2, Oct 78

Infantile apnoea due to profound hypocalcaemia associated with vitamin D deficiency. A case report. Buchanan N, et al. *S Afr Med J* 53(19):766-7, 13 May 78

### DIET THERAPY

Food fortification in South Africa. Report of a Medical Research Council project group. *S Afr Med J* 53(19):744-50, 13 May 78

### DRUG THERAPY

Serum 1,25-dihydroxyvitamin D levels in normal subjects and in patients with hereditary rickets or bone disease. Scriver CR, et al. *N Engl J Med* 299(18):976-9, 2 Nov 78

Rickets and vitamin D metabolism in primates. Hay AW, et al. *Proc Nutr Soc* 37(2):42A, Sep 78

### ENZYMOLGY

Recent advances in our understanding of the metabolism of vitamin D and its regulation. DeLuca HF. *Clin Endocrinol (Oxf)* 5 Suppl:97S-108S, 1976

### ETIOLOGY

Iatrogenic rickets as a complication of a total parenteral nutrition program: the importance of providing calcium and vitamin D in the alimentation mixture. Gutcher GR, et al. *Clin Pediatr (Phila)* 17(11):817-9, Nov 78

Fractured ribs: unusual presentation of rickets in premature infants. Geggel RL, et al. *J Pediatr* 93(4):680-2, Oct 78

Iron nutrition in rickets [letter] Swarup-Mitra S, et al.

*Trans R Soc Trop Med Hyg* 72(4):444-5, 1978

[Presentation of a case of chronic type 1 tyrosinemia. Diet therapy and clinical outcome] Gabrielli O, et al.

*Minerva Pediatr* 30(16):1329-34, 31 Aug 78 (Eng. Abstr.) (Ita)

## RICKETS

[Rickets and osteomalacia] Yoshikawa S. *Nippon Rinsho Suppl*:2350-1, May 78 (Jpn)

### FAMILIAL & GENETIC

Serum 1,25-dihydroxyvitamin D levels in normal subjects and in patients with hereditary rickets or bone disease. Scriver CR, et al. *N Engl J Med* 299(18):976-9, 2 Nov 78

### METABOLISM

The assay of 1 $\alpha$ ,25-dihydroxyvitamin D<sub>3</sub>: physiologic and pathologic modulation of circulating hormone levels. Haussler MR, et al. *Clin Endocrinol (Oxf)* 5 Suppl:151S-165S, 1976

Rickets and vitamin D metabolism in primates. Hay AW, et al. *Proc Nutr Soc* 37(2):42A, Sep 78

Vitamin D<sub>3</sub>-induced calcium binding protein in bone tissue. Christakos S, et al. *Science* 202(4363):70-1, 6 Oct 78

Iron nutrition in rickets [letter] Swarup-Mitra S, et al. *Trans R Soc Trop Med Hyg* 72(4):444-5, 1978

### PATHOLOGY

Bone changes induced by diphenylhydantoin in chicks on a controlled vitamin D intake. Villareale ME, et al. *J Bone Joint Surg [Am]* 60(7):911-6, Oct 78

Poorly mineralized osteoid bone and its staining in paraffin sections. Ráliš HM, et al. *Med Lab Sci* 35(3):293-303, Jul 78

### PREVENTION & CONTROL

Vitamin D and rickets. Fawns HT. *Nurs Times* 74(40):1648-51, 5 Oct 78

[Cattle calcinosis in Austria. VI. Demonstration of a 1,25-dihydroxycholecalciferol-like substance as the cause of the anti-rachitic effect of Trisetum flavescens in chicks and quail] Köhler H, et al. *Zentralbl Veterinaarmed [A]* 25(4):253-70, May 78 (Eng. Abstr.) (Ger)

### RADIOGRAPHY

Bone changes induced by diphenylhydantoin in chicks on a controlled vitamin D intake. Villareale ME, et al. *J Bone Joint Surg [Am]* 60(7):911-6, Oct 78

Fractured ribs: unusual presentation of rickets in premature infants. Geggel RL, et al. *J Pediatr* 93(4):680-2, Oct 78

## RICKETS, VITAMIN D RESISTANT

[Familial hypophosphatemic vitamin D resistant rickets] Seino Y, et al. *Nippon Rinsho Suppl*:1428-9, May 78 (Jpn)

## TETANY

### DRUG THERAPY

[Treatment of hypoparathyroidism] Tomita A. *Nippon Rinsho Suppl*:1576-7, May 78 (Jpn)

## VITAMIN A

### ANALYSIS

Method for the extraction and cleanup of animal feed for the determination of liposoluble vitamins D, A, and E by high-pressure liquid chromatography. Cohen H, et al. *J Agric Food Chem* 26(5):1210-3, Sep-Oct 78

### PHARMACODYNAMICS

Effects of fat soluble vitamins (vitamin A, D<sub>3</sub> and E) on axenically in vitro growth of *Hymenolepis microstoma*. Chowdhury N. *Z Parasitenkd* 56(1):29-38, 3 Jul 78

### PHYSIOLOGY

Nutrition--phase one of the edentulous patient. Barone JV. *J Prosthet Dent* 40(2):122-6, Aug 78

## PARATHYROID AND BONE

## VITAMIN D

Post-traumatic nitrogen metabolism in the elderly. House SM. *Nurs Times* 74(35):1457-9, 31 Aug 78

### ADMINISTRATION & DOSAGE

Vitamin D status of elderly at home and institutionalised in hospital. Vir SC, et al. *Int J Vitam Nutr Res* 48(2):123-30, 1978

[Vitamin D therapy of renal failure] Hirasawa Y, et al. *Nippon Rinsho Suppl*:2304-5, May 78 (Jpn)

### ADVERSE EFFECTS

Hypercalcaemia and hypokalaemia in tuberculosis. Bradley GW, et al. *Thorax* 33(4):464-7, Aug 78

### ANALYSIS

Lipid and trace element composition of human milk. Belavady B. *Acta Paediatr Scand* 67(5):566-71, Sep 78

Method for the extraction and cleanup of animal feed for the determination of liposoluble vitamins D, A, and E by high-pressure liquid chromatography. Cohen H, et al. *J Agric Food Chem* 26(5):1210-3, Sep-Oct 78

### BLOOD

Influence of estrogen on renal vitamin D hydroxylases and serum 1 $\alpha$ ,25-(OH)<sub>2</sub>D<sub>3</sub> in chicks. Pike JW, et al. *Am J Physiol* 235(3):E338-43, Sep 78

Iatrogenic rickets as a complication of a total parenteral nutrition program: the importance of providing calcium and vitamin D in the alimentation mixture. Gutter GR, et al. *Clin Pediatr (Phila)* 17(11):817-9, Nov 78

### METABOLISM

British Society for Research on Ageing. Theme: the ageing liver [abstracts] *Age Ageing* 7(3):189-90, Aug 78

Influence of estrogen on renal vitamin D hydroxylases and serum 1 $\alpha$ ,25-(OH)<sub>2</sub>D<sub>3</sub> in chicks. Pike JW, et al. *Am J Physiol* 235(3):E338-43, Sep 78

Vitamin D and calcium transport. DeLuca HF. *Ann NY Acad Sci* 307:356-76, 28 Apr 78 (88 ref.)

A survey of the hormonal factors that control calcium metabolism. MacIntyre I, et al. *Ann NY Acad Sci* 307:345-55, 28 Apr 78 (15 ref.)

Renal disease and disorders of calcium metabolism. Kanis JA. *Compr Ther* 4(8):44-50, Aug 78

Vitamin D metabolism in bullfrogs and Japanese quail: effects of estradiol and prolactin. Baksi SN, et al. *Gen Comp Endocrinol* 35(3):258-62, Jul 78

Controversies regarding uremia and acquired defects in vitamin D<sub>3</sub> metabolism. Avioli LV. *Kidney Int [Suppl]* (8):S36-8, Jun 78

### PHARMACODYNAMICS

Effect of vitamin D on growth in experimental uremia. Mehls O, et al. *Am J Clin Nutr* 31(10):1927-31, Oct 78

Vitamin D and calcium transport. DeLuca HF. *Ann NY Acad Sci* 307:356-76, 28 Apr 78 (88 ref.)

The inhibitory effect of new diphosphonic acids on aortic and kidney calcification in vivo. Potokar M, et al. *Atherosclerosis* 30(4):313-20, Aug 78

The action of vitamin D on bone. Edelstein S, et al. *Clin Endocrinol (Oxf)* 5 Suppl:145S-150S, 1976

### PHYSIOLOGY

Nutrition--phase one of the edentulous patient. Barone JV. *J Prosthet Dent* 40(2):122-6, Aug 78

### SECRETION

A survey of the hormonal factors that control calcium metabolism. MacIntyre I, et al. *Ann NY Acad Sci* 307:345-55, 28 Apr 78 (15 ref.)

### THERAPEUTIC USE

Effect of vitamin D on growth in experimental uremia. Mehls O, et al. *Am J Clin Nutr* 31(10):1927-31, Oct 78

Immunoperoxidase localization of vitamin D dependent calcium binding protein. Morrissey RL, et al. *J Histochem Cytochem* 26(8):628-34, Aug 78



- Vitamin D and rickets. Fawns HT. *Nurs Times* 74(40):1648-51, 5 Oct 78
- Rickets and vitamin D metabolism in primates. Hay AW, et al. *Proc Nutr Soc* 37(2):42A, Sep 78
- Infantile apnoea due to profound hypocalcaemia associated with vitamin D deficiency. A case report. Buchanan N, et al. *S Afr Med J* 53(19):766-7, 13 May 78
- [Pre- and postoperative medical treatment in total and subtotal thyroidectomies] Tamburrano G, et al. *Ann Laringol* 75(5-6):365-72, Sep-Dec 76 (Ita)
- [Vitamin D3 metabolism in renal failure (author's transl)] Ogura Y. *Nippon Naika Gakkai Zasshi* 67(7):683-93, 10 Jul 78 (46 ref.) (Jpn)
- [Vitamin D therapy of renal failure] Hirasawa Y, et al. *Nippon Rinsho Suppl*:2304-5, May 78 (Jpn)
- [Phosphorus and calcium metabolism disorders in gastrectomized patients] Puşcaş I. *Rev Med Interna [Med Interna]* 30(4):289-98, Jul-Aug 78 (30 ref.) (Rum)

## VITAMIN D DEFICIENCY

- [Disorders of vitamin D metabolism] Matsumoto T, et al. *Nippon Rinsho Suppl*:1568-9, May 78 (Jpn)

### COMPLICATIONS

- Calcium and vitamin D intake of lead-burdened children. *Nutr Rev* 36(7):212-3, Jul 78
- Infantile apnoea due to profound hypocalcaemia associated with vitamin D deficiency. A case report. Buchanan N, et al. *S Afr Med J* 53(19):766-7, 13 May 78

### CONGENITAL

- [Vitamin D dependency] Tsuchiya Y. *Nippon Rinsho Suppl*:1436-7, May 78 (Jpn)

### DIAGNOSIS

- Metabolic bone disease resembling osteosarcoma in a woolly monkey (*Lagothrix lagotricha*). Smith K, et al. *Lab Anim Sci* 28(4):451-6, Aug 78

### DRUG THERAPY

- Immunoperoxidase localization of vitamin D dependent calcium binding protein. Morrissey RL, et al. *J Histochem Cytochem* 26(8):628-34, Aug 78
- [Vitamin D3 metabolism in renal failure (author's transl)] Ogura Y. *Nippon Naika Gakkai Zasshi* 67(7):683-93, 10 Jul 78 (46 ref.) (Jpn)
- [Comparative study of the biological activity and toxic effect of 1 $\alpha$ -hydroxycholecalciferol and ergocalciferol in rats] Spirichev VB, et al. *Vopr Med Khim* 24(5):679-90, Sep-Oct 78 (Eng. Abstr.) (Rus)

### ETIOLOGY

- [Vitamin D3 metabolism in renal failure (author's transl)] Ogura Y. *Nippon Naika Gakkai Zasshi* 67(7):683-93, 10 Jul 78 (46 ref.) (Jpn)

### METABOLISM

- Calcium transport in bone and intestinal cells. Bronner F, et al. *Ann NY Acad Sci* 307:440-1, 28 Apr 78
- The 26-hydroxylation of 25-hydroxyvitamin D3 in vitro by chick renal homogenates. Tanaka Y, et al. *Biochem Biophys Res Commun* 83(1):7-13, 14 Jul 78
- Incorporation of [3H]leucine into an actin-like protein in response to 1,25-dihydroxycholecalciferol in chick intestinal brush borders. Wilson PW, et al. *Biochem J* 173(2):627-31, 1 Aug 78
- Immunoperoxidase localization of vitamin D dependent calcium binding protein. Morrissey RL, et al. *J Histochem Cytochem* 26(8):628-34, Aug 78
- Stimulatory effect of 1,25-dihydroxycholecalciferol-like substances from *Solanum malacoxylon* and *Cestrum diurnum* on phosphate transport in chick jejunum. Peterlik M, et al. *J Nutr* 108(10):1673-9, Oct 78
- Odontoblast metabolism in rats deficient in vitamin D and calcium. III. Protein synthesis in vitro. Engström C, et al. *J Oral Pathol* 7(4):227-35, Aug 78

### OCCURRENCE

- Vitamin D status of elderly at home and institutionalised in

- hospital. Vir SC, et al. *Int J Vitam Nutr Res* 48(2):123-30, 1978

### PATHOLOGY

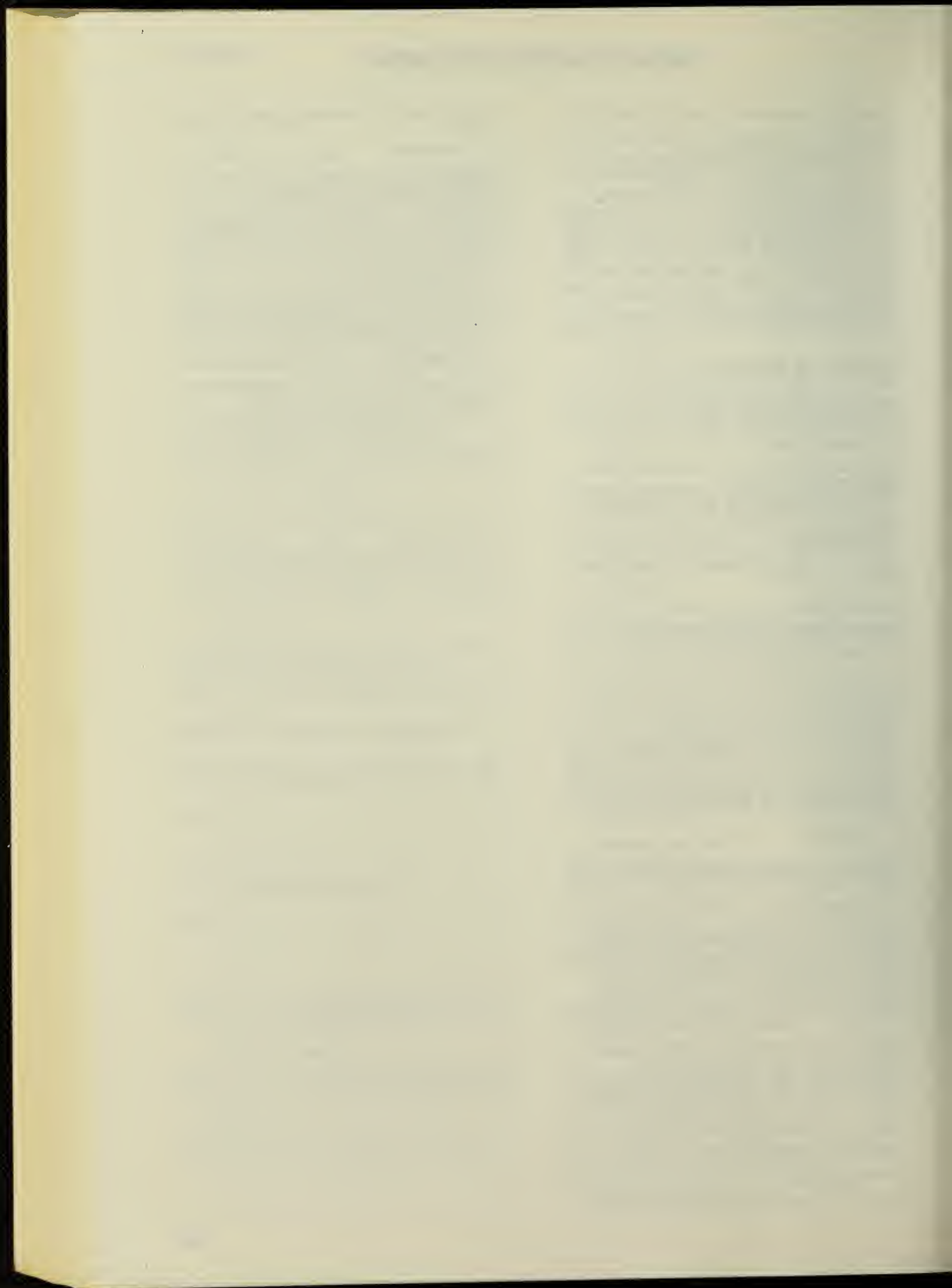
- Metabolic bone disease resembling osteosarcoma in a woolly monkey (*Lagothrix lagotricha*). Smith K, et al. *Lab Anim Sci* 28(4):451-6, Aug 78
- The influence of 1,25-dihydroxycholecalciferol on the ultrastructural organization of skeletal muscle fibres. Morphometric analyses on vitamin D deficient or calcium deficient growing rats. Sjöström M, et al. *Med Biol* 56(4):209-15, Aug 78

### PREVENTION & CONTROL

- Response of plasma-25-hydroxyvitamin D to ultraviolet irradiation in long-stay geriatric patients. Corless D, et al. *Lancet* 2(8091):649-51, 23 Sep 78

### VETERINARY

- Metabolic bone disease resembling osteosarcoma in a woolly monkey (*Lagothrix lagotricha*). Smith K, et al. *Lab Anim Sci* 28(4):451-6, Aug 78





# NEUROENDOCRINOLOGY

## I. Physical and Functional Aspects

### AMYGDALOID BODY

- Neural pathways involved in ACTH regulation. Palkovits M. *Ann NY Acad Sci* 297:455-76, 28 Oct 77  
 Adrenalectomy: protection from kindled convulsion induced dissociation in rats. McIntyre DC, et al. *Physiol Behav* 20(4):469-74, Apr 78

#### ANATOMY & HISTOLOGY

- Evidence for amygdaloid projections to the contralateral hypothalamus and the ipsilateral midbrain in the rat. Post S, et al. *Cell Tissue Res* 191(1):183-6, 13 Jul 78  
 Amygdaloid projections to the mesencephalon, pons and medulla oblongata in the cat. Hopkins DA, et al. *Exp Brain Res* 32(4):529-47, 15 Aug 78  
 Connections of the lateral preoptic-hypothalamic area with the amygdaloid nuclei in the rat. Nitecka L, et al. *Folia Morphol (Warsz)* 37(1):13-31, 1978  
 The afferent connections of the main and the accessory olfactory bulb formations in the rat: an experimental HRP-study. de Olmos J, et al. *J Comp Neurol* 181(2):213-44, 15 Sep 78  
 The distribution of axon terminals with flattened vesicles in the nuclei of the amygdaloid body of the cat. Narkiewicz O, et al. *J Hirnforsch* 19(2):133-43, 1978

#### CYTOLOGY

- Cells of origin of subcortical afferents to the caudate nucleus: a horseradish peroxidase study in the cat. Royce GJ. *Brain Res* 153(3):465-75, 29 Sep 78  
 Actions of microiontophoretically applied ketamine. Sinclair JG, et al. *Proc West Pharmacol Soc* 21:47-9, 1978

#### DRUG EFFECTS

- Adrenergic and cholinergic inputs to the amygdala: role in gonadotropin secretion. Borrell J, et al. *Curr Top Mol Endocrinol* 3:37-50, 1976  
 Actions of microiontophoretically applied ketamine. Sinclair JG, et al. *Proc West Pharmacol Soc* 21:47-9, 1978  
 [Effects of diazepam on evoked potential recorded from basal medial amygdaloid nucleus, lateral hypothalamus and midbrain reticular formation (author's transl)] Anezaki K, et al. *Nippon Yakurigaku Zasshi* 74(4):491-8, May 78 (Eng. Abstr.) (Jpn)

#### ENZYMOLGY

- Reduction in tyrosine hydroxylase activity in the rat amygdala induced by kindling stimulation. Farjo IB, et al. *Brain Res* 153(2):423-6, 22 Sep 78  
 Neurochemical mapping of GABAergic systems in the amygdaloid complex and bed nucleus of the stria terminalis. Le Gal LaSalle G, et al. *Brain Res* 155(2):397-403, 27 Oct 78

#### GROWTH & DEVELOPMENT

- Morphological differentiation of limbic nuclei during sexual maturation of female rats. Döcke F, et al. *Endokrinologie* 72(1):1-8, Apr 78

#### PHYSIOLOGY

- Retention impairment produced by unilateral amygdala implantation: reduction by posttrial amygdala stimulation.

- Gold PE, et al. *Behav Biol* 22(4):515-23, Apr 78  
 Disruption of memory produced by stimulation of the dorsal raphe nucleus: mediation by serotonin. Fibiger HC, et al. *Brain Res* 155(2):380-6, 27 Oct 78  
 Evidence for amygdaloid projections to the contralateral hypothalamus and the ipsilateral midbrain in the rat. Post S, et al. *Cell Tissue Res* 191(1):183-6, 13 Jul 78  
 Adrenergic and cholinergic inputs to the amygdala: role in gonadotropin secretion. Borrell J, et al. *Curr Top Mol Endocrinol* 3:37-50, 1976  
 Exploration and avoidance in rats with lesions in amygdala and piriform cortex. Werka T, et al. *J Comp Physiol Psychol* 92(4):672-81, Aug 78  
 Cognitive changes after amygdalotomy. Andersen R. *Neuropsychologia* 16(4):439-51, 1978  
 Olfactory, septal and amygdala lesions alone or in combination: effects on lordosis behavior and emotionality. McGinnis M, et al. *Physiol Behav* 20(4):435-40, Apr 78  
 Amygdala kindling and muricide in rats. McIntyre DC. *Physiol Behav* 21(1):49-56, Jul 78  
 [Modulation of the activity of neurons of Deiter's nucleus upon electric stimulation of the hypothalamus and limbic structures of the brain] Raites VS, et al. *Fiziol Zh SSSR* 64(8):1105-11, Aug 78 (Eng. Abstr.) (Rus)

#### PHYSIOPATHOLOGY

- Muscarinic cholinergic receptors participate in the kindling model of epilepsy. McNamara JO. *Brain Res* 154(2):415-20, 13 Oct 78  
 Psychoendocrinology and growth hormone: a review. Brown GM, et al. *Psychoneuroendocrinology* 3(2):131-53, Apr 78 (112 ref.)  
 [Study of the human temporal lobe epilepsy using the depth electrode recording (author's transl)] Hori T, et al. *No To Shinkei* 30(6):645-57, Jun 78 (Eng. Abstr.) (Jpn)

#### SURGERY

- Cognitive changes after amygdalotomy. Andersen R. *Neuropsychologia* 16(4):439-51, 1978  
 [Behavioral changes after partial damage of limbic system--effects of unilateral lesion of amygdala in cats (author's transl)] Katahira K, et al. *Neurol Med Chir (Tokyo)* 18(5 Pt 2):401-7, Jul 78 (Eng. Abstr.) (Jpn)

#### ULTRASTRUCTURE

- The distribution of axon terminals with flattened vesicles in the nuclei of the amygdaloid body of the cat. Narkiewicz O, et al. *J Hirnforsch* 19(2):133-43, 1978

### HYPOTHALAMO-HYPOPHYSEAL SYSTEM

- Effect of norepinephrine synthesis inhibitors and a dopamine agonist on hypothalamic LH-RH serum gonadotropin and prolactin levels in gonadal steroid treated rats. Kalra SP, et al. *Acta Endocrinol (Copenh)* 89(1):1-9, Sep 78  
 Effects of medial hypothalamic deafferentation on prolactin secretion in pseudopregnant rats. Kato H, et al. *Acta Endocrinol (Copenh)* 89(3):425-31, Nov 78  
 The role of the hypothalamus in the tonic secretion of prolactin induced by oestrogens in the rat. Kato H, et al. *Acta Endocrinol (Copenh)* 89(3):417-24, Nov 78

Studies of sexual differentiation of sheep. II. Evidence for post-natal hypothalamic hypophysiotrophic depression of basal LH secretion following pre-natal androgenisation. Wilson PR, et al. *Acta Endocrinol (Copenh)* 89(1):190-5, Sep 78

Impairment of the hypothalamo-pituitary-ovarian axis of the athymic 'nude' mouse. Weinstein Y. *Mech Ageing Dev* 8(1):63-8, Jul 78

## ANALYSIS

Neuroendocrine embryology and the APUD concept. Pearce AG, et al. *Clin Endocrinol (Oxf)* 5 Suppl:229S-244S, 1976 (51 ref.)

Vasoactive-intestinal-polypeptide concentrations in median eminence of hypothalamus [letter] Samson WK, et al. *Lancet* 2(8095):901-2, 21 Oct 78

Fluctuated changes in the rat hypothalamic content of corticotropin releasing factor around the peak of the circadian rhythm. Sakakura M, et al.

*Tohoku J Exp Med* 125(3):281-5, Jul 78

[Effects of various endocrinous treatments and differentiation on the somatostatin volume in the rat hypothalamus] Kanda K, et al. *Horumon To Rinsho* 26(6):533-6, Jun 78 (Jpn)

[Growth hormone secretion and somatostatin] Wakabayashi K, et al. *Horumon To Rinsho* 26(6):524-8, Jun 78 (Jpn)

## ANATOMY &amp; HISTOLOGY

Immunocytochemical study of the neurohypophysial hormone producing system of the lungfish, *Protopterus aethiopicus*. Goossens N, et al. *Cell Tissue Res* 190(1):69-77, 26 Jun 78

Localization of monoamines in the forebrain of two salmonid species, with special reference to the hypothalamo-hypophysial system. Terlou M, et al. *Cell Tissue Res* 190(3):417-34, 10 Jul 78

Hypothalamo-hypophysial neurosecretory system of the teleost *Trichogaster fasciatus* (Bloch & Schneider) with a note on its vascularization. Singh IJ, et al. *Z Mikrosk Anat Forsch* 91(3):509-20, 1977

## BLOOD SUPPLY

The neurohypophysial capillary bed. II. Specializations within median eminence. Page RB, et al. *Am J Anat* 153(1):33-65, Sep 78

Hypothalamo-hypophysial neurosecretory system of the teleost *Trichogaster fasciatus* (Bloch & Schneider) with a note on its vascularization. Singh IJ, et al. *Z Mikrosk Anat Forsch* 91(3):509-20, 1977

## CYTOLOGY

Changes in the distribution of non-neuronal elements in rat median eminence and in anterior pituitary hormone secretion after activation of tuberoinfundibular dopamine neurones by brain stimulation or nicotine. Lichtensteiger W, et al. *Brain Res* 157(1):73-88, 17 Nov 78

The functional and structural border of the neurohemal region of the median eminence. Krisch B, et al. *Cell Tissue Res* 192(2):327-39, 5 Sep 78

Neuroendocrine embryology and the APUD concept. Pearce AG, et al. *Clin Endocrinol (Oxf)* 5 Suppl:229S-244S, 1976 (51 ref.)

[Basic properties of the hypothalamic neurosecretory cells. II. The histochemistry of energy metabolism] Gul'ians ES, et al. *Zh Eksp Klin Med* (4):31-9, 1978 (Eng. Abstr.) (Rus)

## DRUG EFFECTS

Increased sensitivity to 5-hydroxytryptamine due to intraventricular administration of 5,6-dihydroxytryptamine. Kawa A, et al. *Acta Endocrinol (Copenh)* 89(3):432-7, Nov 78

Endocrine effects of alcohol. Wright J. *Clin Endocrinol Metab* 7(2):351-67, Jul 78

The effects of reserpine on hypothalamo-pituitary adrenocortical function. Vellucci SV. *Gen Pharmacol* 9(5):275-85, 1978 (98 ref.)

Suppression of the hypothalamic-pituitary-adrenal axis after oral hydrocortisone succinate ingestion in rats. Mims RB. *J Natl Med Assoc* 70(1):37-40, Jan 78

Role of serotonin in feedback control of hypothalamic-pituitary-testicular complex in male rats. Naumenko EV, et al. *Neuroendocrinology* 26(6):359-66, 1978

[Effect of chronic alcoholic intoxication on the circadian rhythm of the hypothalamic neurosecretory centers in rats] lavorskii AN. *Probl Endokrinol (Mosk)* 24(5):63-6, Sep-Oct 78 (Eng. Abstr.) (Rus)

[Estradiol-receptor system of the hypothalamo-hypophysial structure] Shchedrina RN, et al.

*Probl Endokrinol (Mosk)* 24(5):111-7, Sep-Oct 78 (Rus)

[Clinical use of synthetic thyroliberin (thyrotropin-releasing factor)] Starkova NT, et al. *Probl Endokrinol (Mosk)* 24(5):103-10, Sep-Oct 78 (Rus)

[Hypothalamo-hypophysial-thyroid axis in the aged] Mollerach F, et al. *Medicina (B Aires)* 38(3):276-80, May-Jun 78 (Eng. Abstr.) (Spa)

[Analgesic activity of T.R.H. and its modification by previous administration of naloxone] Cuenca E, et al. *Rev Esp Anestesiol Reanim* 25(3):182-8, May 78 (Spa)

## EMBRYOLOGY

Neuroendocrine embryology and the APUD concept. Pearce AG, et al. *Clin Endocrinol (Oxf)* 5 Suppl:229S-244S, 1976 (51 ref.)

## ENZYMOLGY

[Basic properties of the hypothalamic neurosecretory cells. II. The histochemistry of energy metabolism] Gul'ians ES, et al. *Zh Eksp Klin Med* (4):31-9, 1978 (Eng. Abstr.) (Rus)

## IMMUNOLOGY

[Hormonal control of immune reactivity] Dimitrov V, et al. *Vutr Boles* 17(4):8-15, 1978 (78 ref.) (Bul)

## INNERVATION

The neural regulation of compensatory adrenal growth. Dallman MF, et al. *Ann NY Acad Sci* 297:373-92, 28 Oct 77

Neural pathways involved in ACTH regulation. Palkovits M. *Ann NY Acad Sci* 297:455-76, 28 Oct 77

## METABOLISM

Studies on tuberoinfundibular dopamine neurons. Moore KE, et al. *Adv Biochem Psychopharmacol* 19:193-204, 1978

Localization of the site of the haloperidol-induced, prolactin-mediated increase of dopamine turnover in the median eminence: studies in rats with complete hypothalamic deafferentations. Gudelsky GA, et al. *J Neural Transm* 42(3):181-92, 1978

## PHYSIOLOGY

ACTH and related peptides: structure, regulation, and action. *Ann NY Acad Sci* 297:1-664, 28 Oct 77

Neurotransmitters involved in ACTH secretion: catecholamines. Ganong WF. *Ann NY Acad Sci* 297:509-17, 28 Oct 77

Serotonin regulation of ACTH secretion. Krieger DT.

*Ann NY Acad Sci* 297:527-35, 28 Oct 77

Some aspects of corticosteroid feedback actions. Smelik PG. *Ann NY Acad Sci* 297:580-90, 28 Oct 77

Vasopressin and corticotropin-releasing factor: an axonal pathway to portal capillaries in the zona externa of the median eminence containing vasopressin and its interaction with adrenal corticoids. Zimmerman EA, et al. *Ann NY Acad Sci* 297:405-19, 28 Oct 77

Electrophysiological indications of a 'vasopressinergic' innervation of the median eminence. Blume HW, et al. *Brain Res* 155(1):153-8, 20 Oct 78

Hypothalamic-pituitary responses to intracranial self-stimulation in the rat. Terry LC, et al. *Brain Res* 157(1):89-104, 17 Nov 78

Endocrine effects of alcohol. Wright J.

*Clin Endocrinol Metab* 7(2):351-67, Jul 78

Relation of the hypothalamo-pituitary-gonadal system to decline of reproductive functions in aging female rats. Meites J, et al. *Curr Top Mol Endocrinol* 3:3-20, 1976 (29 ref.)

Role of brain monoamines in the regulation of the circadian variations of activity of some neuroendocrine axes. pp. 137-43. Scapagnini U, et al.

In: Assenmacher I, Farner DS, ed. *Environmental*

*endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.

The hypothalamo-hypophysial system: model for central peptidergic and monoaminergic transmission. Fink G, et al. *Int Rev Physiol* 17:1-48, 1978 (288 ref.)

Role of serotonin in feedback control of hypothalamic-pituitary-testicular complex in male rats. Naumenko EV, et al. *Neuroendocrinology* 26(6):359-66, 1978

Peptides in the brain: the new endocrinology of the neuron. Guillemin R. *Science* 202(4366):390-402, 27 Oct 78 (119 ref.)



[Monoaminergic and peptidergic innervation of rat median eminence, studied by a combination, in the same hypothalamus, of histofluorescent, immunocytochemical and radioautographic techniques] Alonso G, et al. *C R Soc Biol (Paris)* 172(1):138-48, 1978 (Eng. Abstr.) (Fre)

[New acquisitions on the hormonal regulation of the menstrual cycle] Kyank H, et al. *Z Aerzt Fortbild (Jena)* 72(15):710-9, 1 Aug 78 (Ger)

[Regulation of ACTH secretion] Ervin S. *Orv Hetil* 119(42):2543-52, 15 Oct 78 (Hun)

[Tissue corticotropin releasing factor. (1). Demonstration of its presence] Itakura M, et al. *Horumon To Rinsho* 26(1):93-5, Jan 78 (Jpn)

[State of the hypothalamo-hypophyseal-ovarian system in women after physiological labor] Miasnikova GP, et al. *Akush Ginekol (Mosk)* (8):17-20, Aug 78 (Eng. Abstr.) (Rus)

[Interaction between the hypothalamo-hypophyseal system and the thyroid gland during different age periods] Frol'kis VV, et al. *Biull Eksp Biol Med* 86(8):133-7, Aug 78 (Eng. Abstr.) (Rus)

[Hypothalamus and its role in the mechanisms of ascending and descending influences] Makarchenko AF. *Fiziol Zh* 24(5):579-88, Sep-Oct 78 (41 ref.) (Eng. Abstr.) (Rus)

[Role of central monoaminergic brain structures in regulating the function of the supraoptic-hypophyseal neurosecretory system] Popovichenko NV. *Fiziol Zh* 24(5):641-50, Sep-Oct 78 (67 ref.) (Eng. Abstr.) (Rus)

[Monoamines and their role in regulating the gonadotropic function of the pituitary in birds] Rudneva LM. *Fiziol Zh* 24(5):674-80, Sep-Oct 78 (Eng. Abstr.) (Rus)

[Hypothalamo-hypophyseal-thyroid axis in the aged] Mollerach F, et al. *Medicina (B Aires)* 38(3):276-80, May-Jun 78 (Eng. Abstr.) (Spa)

[Advances in neuroendocrinology] Valverde R C. *Neurol Neurocir Psiquiatr* 16(1):25-48, 1975 (Eng. Abstr.) (Spa)

## PHYSIOPATHOLOGY

Multiple retention deficit in passive avoidance in rats is eliminated by suprachiasmatic lesions. Stephan FK, et al. *Behav Biol* 22(4):456-62, Apr 78

Hypothalamo-pituitary-thyroid function in anorexia nervosa: influence of weight gain. Leslie RD, et al. *Br Med J* 2(6136):526-8, 19 Aug 78

Gonadotrophin, thyrotrophin and prolactin reserve in beta thalassaemia. Landau H, et al. *Clin Endocrinol (Oxf)* 9(2):163-73, Aug 78

Ageing, metabolic immunodepression and carcinogenesis. Dilman VM. *Mech Ageing Dev* 8(3):153-73, Sep 78

Hypothalamo-pituitary function in amenorrhea-galactorrhea syndrome. Delitala G, et al. *Panminerva Med* 20(2):89-96, Apr-Jun 78

Delayed puberty and short stature in adolescents. Shenker IR, et al. *Pediatr Ann* 7(9):605-13, Sep 78

Neural control of prolactin secretion in man. Boyd AE 3d, et al. *Psychoneuroendocrinology* 3(2):113-30, Apr 78

[Clinical aspects of surgery for varicocele] von Rütte B. *Helv Chir Acta* 45(3):335-8, Jul 78 (Ger)

[Characteristics of the gonadotropic function of the hypothalamo-hypophyseal system in girls with certain forms of gonadal dysgenesis] Safaraliev AR. *Akush Ginekol (Mosk)* (8):27-30, Aug 78 (Rus)

[Seasonal changes in the hypothalamo-neurohypophyseal secretory system of guinea pigs during reproduction of histamine stomach ulcers] Melfnik LA, et al. *Fiziol Zh* 24(5):659-66, Sep-Oct 78 (Eng. Abstr.) (Rus)

[Hypothalamo-hypophyseal-thyroid relationship in patients with Itsenko-Cushing disease treated with chloditan] Slavov VN, et al. *Klin Med (Mosk)* 56(8):65-70, Aug 78 (Eng. Abstr.) (Rus)

[State of the hypothalamo-pituitary-adrenal system in rabbits infected with tuberculosis and treated with etimizol] Ertevisian LN, et al. *Probl Tuberk* (8):70-5, Aug 78 (Eng. Abstr.) (Rus)

[Prolactin in depression] Cuenca E, et al. *Arch Farmacol Toxicol* 4(1):47-9, Apr 78 (Spa)

[Extragenital endocrine factors in sterility and fertility] Pumarino H, et al. *Rev Chil Obstet Ginecol* 42(4):209-26, 1977 (Spa)

## RADIATION EFFECTS

Endocrine effects of cranial irradiation [letter] Popescu HI. *N Engl J Med* 299(14):776, 5 Oct 78

## SECRETION

Serotonin and MSH secretion: effect of parachlorophenylalanine on the pituitary cytology of the eel. Oliveau M. *Cell Tissue Res* 191(1):83-92, 13 Jul 78

Control of luteinizing hormone release in prepubertal female rats: evidence for an enhanced ability of the hypothalamus to release luteinizing hormone releasing hormone as the pituitary responsiveness to luteinizing hormone releasing hormone declines. Andrews WW, et al. *J Endocrinol* 78(2):281-2, Aug 78

[Effects of high potassium, calcium ion and dopamine on somatostatin secretion from the rat hypothalamus nerve endings] Miyazawa Y, et al. *Horumon To Rinsho* 26(6):541-4, Jun 78 (Jpn)

## SURGERY

[Endocrine-metabolic surveillance following surgery of the hypothalamo-hypophyseal system] Beaufils F, et al. *Anesth Analg (Paris)* 35(2):301-6, Mar-Apr 78 (Fre)

## ULTRASTRUCTURE

Fine structure of the palisade zone of the rat median eminence as revealed by freeze-fracturing. Röhlich P, et al. *Cell Tissue Res* 191(3):513-23, 16 Aug 78

The hypothalamo-hypophyseal system: model for central peptidergic and monoaminergic transmission. Fink G, et al. *Int Rev Physiol* 17:1-48, 1978 (288 ref.)

## HYPOTHALAMUS

Effects of ablation of serotonin or norepinephrine brain-stem areas on halothane and cyclopropane MACs in rats. Roizen MF, et al. *Anesthesiology* 49(4):252-5, Oct 78

Hypothermia: pathophysiology, clinical settings, and management. Reuler JB. *Ann Intern Med* 89(4):519-27, Oct 78 (110 ref.)

Serotonin involvement in pituitary-adrenal function. Vernikos-Danellis J, et al. *Ann NY Acad Sci* 297:518-26, 28 Oct 77

Localization of central noradrenergic mechanisms in cardiovascular regulation in rats. Boudier HS, et al. *Clin Sci Mol Med* 48 Suppl 2:277s-278s, Jun 75

[Disorders of heat and water regulation. Proliferative reticulo granulomatous process of hypothalamic origin (author's transl)] Cambier J, et al. *Rev Neurol (Paris)* 134(3):197-213, Mar 78 (Eng. Abstr.) (Fre)

[Hyperglycemic hyperosmolar nonketotic coma in a patient with hypothalamic tumor—a case study] Hirao J, et al. *Horumon To Rinsho* 26(1):51-6, Jan 78 (Jpn)

[Hypothalamo-pituitary tumors—their surgical treatment] Kageyama N, et al. *Nippon Rinsho Suppl*:1548-9, May 78 (Jpn)

[Diagnosis of hypothalamo-pituitary tumors] Uozumi T. *Nippon Rinsho Suppl*:1546-7, May 78 (Jpn)

[Effects of triazolam on conditioned behavior in rats (author's transl)] Gomita Y, et al. *Nippon Yakurigaku Zasshi* 74(5):615-28, Jul 78 (Eng. Abstr.) (Jpn)

[Reproducibility and interaction of TRH and LHRH on pituitary hormones and its clinical significance (author's transl)] Kaneko K, et al. *Rinsho Byori* 26(6):462-7, Jun 78 (Jpn)

[Clinical observation of growth hormone dynamics in hypothalamo-pituitary disorders (author's transl)] Miyashita M, et al. *Rinsho Byori* 26(6):471-7, Jun 78 (Jpn)

[Diabetes insipidus as a symptom of metastasis of bronchial cancer into the hypothalamus] Niznikiewicz J, et al. *Wiad Lek* 31(15):1079-82, 1 Aug 78 (Eng. Abstr.) (Pol)

[Circadian rhythm of catecholamine and glucocorticoid excretion in the presence of hypothalamic lesions] Dinaburg AD, et al. *Fiziol Zh* 24(5):692-8, Sep-Oct 78 (Eng. Abstr.) (Rus)

[State of immunologic reactivity in hypothalamic lesions] Laut AD. *Fiziol Zh* 24(5):705-9, Sep-Oct 78 (Eng. Abstr.) (Rus)

[Hemodynamics in the carotid and vertebro-basilar basins in the presence of hypothalamic lesions] Vashchenko EA. *Fiziol Zh* 24(5):699-704, Sep-Oct 78 (Eng. Abstr.) (Rus)

[Status of carbohydrate metabolism in patients with hypothalamic syndrome in puberty] Veinberg EG, et al. *Pediatr* (9):60-2, Sep 78 (Rus)

[Experience with mathematical analysis of regional arterial pressure in occupational pathology of the hypothalamus] Model' AA, et al. *Zh Nevropatol Psikhiatr* 78(9):1297-1301, 1978 (Eng. Abstr.) (Rus)

## ANALYSIS

- Cerebral localization of insulin by immunofluorescence. Pansky B, et al. *Am J Anat* 153(3):459-67, Nov 78
- Vasopressin and corticotropin-releasing factor: an axonal pathway to portal capillaries in the zona externa of the median eminence containing vasopressin and its interaction with adrenal corticoids. Zimmerman EA, et al. *Ann NY Acad Sci* 297:405-19, 28 Oct 77
- Immunohistochemical localization of alpha-melanocyte stimulating hormone (alpha-MSH) in the human hypothalamus. Désy L, et al. *Brain Res* 154(2):377-81, 13 Oct 78
- Ontogenesis of thyroliberin in the mouse hypothalamus. Faivre-Bauman A, et al. *Brain Res* 154(2):382-7, 13 Oct 78
- A Golgi study of the hypothalamus of *Actinopterygii*. II. The posterior hypothalamus. Fasolo A, et al. *Cell Tissue Res* 191(3):433-47, 16 Aug 78
- Immunohistochemical localization of hypothalamic hormones (especially LRF) at the light microscopy level. Barry J. *Curr Top Mol Endocrinol* 3:451-73, 1976 (118 ref.)
- Isolation and characterization of hypothalamic peptide hormones. Burgus R, et al. *Curr Top Mol Endocrinol* 3:355-72, 1976 (50 ref.)
- Immunohistochemical localization of hypothalamic hormones at the electron microscope level. Pelletier G. *Curr Top Mol Endocrinol* 3:433-50, 1976 (23 ref.)
- Demonstration of a temperature-dependent association of thyrotropin releasing hormone, alpha-melanocyte stimulating hormone, and luteinizing hormone releasing hormone with subneuronal particles in hypothalamic synaptosomes. Barnea A, et al. *J Neurochem* 31(5):1125-34, Nov 78
- Impairment of the hypothalamo-pituitary-ovarian axis of the athymic 'nude' mouse. Weinstein Y. *Mech Ageing Dev* 8(1):63-8, Jul 78
- Purification of rat prolactin releasing factor by gel filtration. Takahashi K, et al. *Tohoku J Exp Med* 126(1):77-84, Sep 78
- [Somatostatin of the human CSF and rat hypothalamus] Abe H, et al. *Horumon To Rinsho* 26(6):537-40, Jun 78 (Jpn)
- [Effects of various amines and amino acids on hypothalamic somatostatin volume] Hosoki H, et al. *Horumon To Rinsho* 26(6):529-32, Jun 78 (Jpn)
- [Effects of growth hormone administration on the somatostatin content of the hypothalamus] Kanazuka H, et al. *Horumon To Rinsho* 26(6):587-8, Jun 78 (Jpn)
- [Peptides which control pain (author's transl)] Shiomi H, et al. *Tanpakushitsu Kakusan Koso* 23(8):856-64, Jul 78 (99 ref.) (Jpn)
- [Use of the method of the ion-exchange paper precipitation of protein receptors to estradiol from the cytosol of the rat hypothalamus and uterus for the study of their physicochemical characteristics] Peryshkova TA, et al. *Lah Delo* (9):542-7, 1978 (Eng. Abstr.) (Rus)

## ANATOMY &amp; HISTOLOGY

- Anatomy of the dopaminergic neuron systems in the rat brain. Lindvall O, et al. *Adv Biochem Psychopharmacol* 19:1-23, 1978 (102 ref.)
- The fine structure of ependyma in the hypothalamus of the hamster (*Cricetus cricetus*). Najera IS, et al. *Anat Anz* 143(5):466-77, 1978
- Immunofluorescence study of the hypothalamo-infundibular LRH tract and serum gonadotropin levels in the female squirrel monkey during the estrous cycle. Barry J, et al. *Cell Tissue Res* 192(2):215-26, 5 Sep 78
- Intra- and extrahypothalamic vasopressin and oxytocin pathways in the rat. Pathways to the limbic system, medulla oblongata and spinal cord. Buijs RM. *Cell Tissue Res* 192(3):423-35, 26 Sep 78
- Dopamine and noradrenaline neurons projecting to the septal area in the rat. Lindvall O, et al. *Cell Tissue Res* 190(3):383-407, 10 Jul 78
- Evidence for amygdaloid projections to the contralateral hypothalamus and the ipsilateral midbrain in the rat. Post S, et al. *Cell Tissue Res* 191(1):183-6, 13 Jul 78
- Connections of the lateral preoptic-hypothalamic area with the amygdaloid nuclei in the rat. Nitecka L, et al. *Folia Morphol (Warsz)* 37(1):13-31, 1978
- The hypothalamic magnocellular system of the rhesus monkey: an immunocytochemical study. Antunes JL, et al. *J Comp Neurol* 181(3):539-65, 1 Oct 78
- Experimental studies on the ultrastructural localization of acetylcholinesterase in the mediobasal hypothalamus of the rat. Carson KA, et al. *J Comp Neurol* 182(2):201-19, 15 Nov 78
- The afferent connections of the main and the accessory

olfactory bulb formations in the rat: an experimental HRP-study. de Olmos J, et al. *J Comp Neurol* 181(2):213-44, 15 Sep 78

- A comparison of projections of entopeduncular neurons to the thalamus, the midbrain and the habenula in the cat. Filion M, et al. *J Comp Neurol* 181(4):763-80, 15 Oct 78
- Association and commissural fiber systems of the olfactory cortex of the rat. II. Systems originating in the olfactory peduncle. Haberly LB, et al. *J Comp Neurol* 181(4):781-807, 15 Oct 78
- [Demonstration of a 2d LH-RH neurosecretory system in the duck hypothalamus] Bons N, et al. *C R Acad Sci [D] (Paris)* 287(3):145-8, 17 Jul 78 (Eng. Abstr.) (Fre)

## BLOOD SUPPLY

- The arterial and venous blood supply of the preoptic region in the rat. Ambach G, et al. *Acta Microbiol Acad Sci Hung* 25(2):21-41, 1978
- The neurohypophyseal capillary bed. II. Specializations within median eminence. Page RB, et al. *Am J Anat* 153(1):33-65, Sep 78
- Localization of angiotensin in rat brain. Changaris DG, et al. *J Histochem Cytochem* 26(7):593-607, Jul 78

## CYTOLOGY

- Cerebral localization of insulin by immunofluorescence. Pansky B, et al. *Am J Anat* 153(3):459-67, Nov 78
- Projections from the parvocellular vasopressin- and neurophysin-containing neurons of the suprachiasmatic nucleus. Sofroniew MV, et al. *Am J Anat* 153(3):391-429, Nov 78
- Time of neuron origin in the anterior hypothalamus of the rat. Anderson CH. *Brain Res* 154(1):119-22, 6 Oct 78
- The effect of neonatal castration on the developmental changes of the nuclear sizes of the neurons in the hypothalamic nuclei of female rats. Morishita H, et al. *Brain Res* 156(1):146-50, 3 Nov 78
- Cytological observations on the ventromedial hypothalamic nucleus. Millhouse OE. *Cell Tissue Res* 191(3):473-91, 16 Aug 78
- Hypothalamic neuron number of old female rats. Hsu HK, et al. *Gerontology* 24(6):434-40, 1978
- Benzodiazepines and central inhibitory mechanisms. Geller HM, et al. *Naunyn Schmiedeberg Arch Pharmacol* 304(2):81-8, 12 Sep 78
- Aphagia and adipisia after preferential destruction of nerve cell bodies in hypothalamus. Grossman SP, et al. *Science* 202(4367):537-9, 3 Nov 78
- [Concentration of acid proteins in the nuclei of rat hypothalamic neuron and glial cell nuclei during cold adaptation] Mogil'nitskaia LV, et al. *Biull Eksp Biol Med* 86(8):187-90, Aug 78 (Eng. Abstr.) (Rus)
- [Basic properties of the hypothalamic neurosecretory cells. II. The histochemistry of energy metabolism] Gul'iants ES, et al. *Zh Eksp Klin Med* (4):31-9, 1978 (Eng. Abstr.) (Rus)

## DRUG EFFECTS

- Effect of norepinephrine synthesis inhibitors and a dopamine agonist on hypothalamic LH-RH serum gonadotrophin and prolactin levels in gonadal steroid treated rats. Kalra SP, et al. *Acta Endocrinol (Copenh)* 89(1):1-9, Sep 78
- The adrenergic influences on the hypothalamic and neurohypophysial oxytocic activity in long-term dehydrated male white rats. Guzek JW, et al. *Acta Physiol Pol* 29(3):221-9, May-Jun 78
- Hypothalamic actions of 5-hydroxytryptamine neurotoxins: feeding, drinking, and body temperatures. Myers RD. *Ann NY Acad Sci* 305:556-75, 12 Jun 78
- Electrical activity of hypothalamus during activation of pituitary-adrenocortical system. Filaretov AA, et al. *Brain Res* 156(1):67-74, 3 Nov 78
- Effects of angiotensin II and acetylcholine on neurons in the preoptic area. Gronan RJ, et al. *Brain Res* 154(1):172-7, 6 Oct 78
- Epinephrine in rat hypothalamus: antagonism by desipramine of 6-hydroxydopamine-induced depletion. Tessel RE, et al. *Brain Res* 153(3):615-7, 29 Sep 78
- Effect of opioid peptides on L-noradrenaline-stimulated cyclic AMP formation in homogenates of rat cerebral cortex and hypothalamus. Tsang D, et al. *Brain Res* 152(3):521-7, 8 Sep 78
- Perfusions of the posterior hypothalamus of cats with various ions and saccharides: effects on body temperature. Jones DL, et al. *Can J Physiol Pharmacol* 56(4):571-7, Aug 78



- Experimental studies concerning the mechanism of the thyroid-pineal interrelationship. II. Action of the pineal peptides on the pituitary TSH reserve and hypothalamic content of TRH in MTU-treated rats. Negoescu I, et al. *Endocrinologie* 16(3):199-204, Jul-Sep 78
- Neuroleptic-induced attenuation of brain stimulation reward in rats. Fouriez G, et al. *J Comp Physiol Psychol* 92(4):661-71, Aug 78
- Tranlycypromine: stimulation of eating through alpha-adrenergic neuronal system in the paraventricular nucleus. Leibowitz SF, et al. *Life Sci* 23(7):749-58, 21 Aug 78
- Acute elevations of serum luteinizing hormone induced by kainic acid, N-methyl aspartic acid or homocysteic acid. Price MT, et al. *Neuroendocrinology* 26(6):352-8, 1978
- Pharmacological characterization of perifornical hypothalamic beta-adrenergic receptors mediating feeding inhibition in the rat. Leibowitz SF, et al. *Neuropharmacology* 17(9):691-702, Sep 78
- Dopamine in the hypothalamus of the cat: pharmacological characterization and push-pull perfusion analysis of sites mediating hypothermia. Ruwe WD, et al. *Pharmacol Biochem Behav* 9(1):65-80, Jul 78
- Somatostatin inhibits release of thyrotropin releasing factor from organ cultures of rat hypothalamus. Hirooka Y, et al. *Proc Natl Acad Sci USA* 75(9):4509-13, Sep 78
- Modulation of vasopressin release from the neurohypophysis by the intact neuron. Mathison R, et al. *Proc West Pharmacol Soc* 21:257-60, 1978
- Aphagia and adipia after preferential destruction of nerve cell bodies in hypothalamus. Grossman SP, et al. *Science* 202(4367):537-9, 3 Nov 78
- The effect of progesterone analogues, naturally occurring steroids, and contraceptive progestins on hypothalamic and anterior pituitary delta4-steroid (progesterone) 5alpha-reductase. Krause JE, et al. *Steroids* 31(6):823-39, Jun 78
- [Effects of diazepam on evoked potential recorded from basal medial amygdaloid nucleus, lateral hypothalamus and midbrain reticular formation (author's transl)] Anezaki K, et al. *Nippon Yakurigaku Zasshi* 74(4):491-8, May 78 (Eng. Abstr.) (Jpn)
- [Morphology of neurosecretory nuclei of the hypothalamus and of the neurohypophysis in the course of mercury phenylacetate poisoning] Kozik MB, et al. *Endokrynol Pol* 29(4):321-37, Jul-Aug 78 (Eng. Abstr.) (Pol)
- [Age and increase in the sensitivity threshold of the tonic region of the hypothalamic sex center to inhibition by estradiol in female rats] Anisimov VN, et al. *Biull Eksp Biol Med* 86(8):228-30, Aug 78 (Eng. Abstr.) (Rus)
- [Effects of acute and chronic alcohol poisoning on the noradrenaline content in the rat hypothalamus] Denisenko PP, et al. *Farmakol Toksikol* 41(5):618-20, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Effect of chronic alcoholic intoxication on the circadian rhythm of the hypothalamic neurosecretory centers in rats] Iavorskii AN. *Probl Endokrinol (Mosk)* 24(5):63-6, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Clinical use of synthetic thyroliberin (thyrotropin-releasing factor)] Starkova NT, et al. *Probl Endokrinol (Mosk)* 24(5):103-10, Sep-Oct 78 (Rus)
- [Hypothalamic sensitivity to corticosteroids in the late period after irradiation] Prokudina EA. *Radiobiologiya* 18(4):624-7, Jul-Aug 78 (Eng. Abstr.) (Rus)
- [Sex differences in brain functioning and effects related to them] Vunder PA. *Usp Sovrem Biol* 86(1):129-42, Jul-Aug 78 (104 ref.) (Rus)
- EMBRYOLOGY**
- [Radioautographic study of the developmental period of the cells of the supraoptic nucleus during mouse embryogenesis] Gracheva ND, et al. *Ontogenez* 9(4):345-54, 1978 (Eng. Abstr.) (Rus)
- [Sex differences in brain functioning and effects related to them] Vunder PA. *Usp Sovrem Biol* 86(1):129-42, Jul-Aug 78 (104 ref.) (Rus)
- ENZYMOMOLOGY**
- Time-dependent decrease of pituitary response to LH-RH after chronic treatment of intact female rats with ethinylloestradiol and norethindrone. Kuhl H, et al. *Acta Endocrinol (Copenh)* 89(2):240-50, Oct 78
- Specific activity of LHRH and TRH degrading enzymes in various tissues of normal and castrated male rats. Loudes C, et al. *Biochem Biophys Res Commun* 83(3):921-6, 14 Aug 78
- The diurnal variations of dopamine-beta-hydroxylase activity in the hypothalamus and locus coeruleus of the rat. Daiguji M, et al. *Brain Res* 155(2):409-12, 27 Oct 78
- alpha-Bungarotoxin binding sites in rat hippocampus: localization in postsynaptic cells. Dudai Y, et al. *Brain Res* 154(1):167-71, 6 Oct 78
- Reduction in tyrosine hydroxylase activity in the rat amygdala induced by kindling stimulation. Farjo IB, et al. *Brain Res* 153(2):423-6, 22 Sep 78
- A mapping of the distribution of acetylcholine, choline acetyltransferase and acetylcholinesterase in discrete areas of rat brain. Hoover DB, et al. *Brain Res* 153(2):295-306, 22 Sep 78
- Changes in epinephrine in individual hypothalamic nuclei after immobilization stress. Kvetňanský R, et al. *Brain Res* 155(2):387-90, 27 Oct 78
- Epinephrine in rat hypothalamus: antagonism by desipramine of 6-hydroxydopamine-induced depletion. Tessel RE, et al. *Brain Res* 153(3):615-7, 29 Sep 78
- The effect of parenteral glutamate treatment on the localization of neurotransmitters in the mediobasal hypothalamus. Walaas I, et al. *Brain Res* 153(3):549-62, 29 Sep 78
- Glutamate decarboxylase activity in preoptic and hypothalamic nuclei of the rat. Itoh M, et al. *Experientia* 34(8):988-9, 15 Aug 78
- Experimental studies on the ultrastructural localization of acetylcholinesterase in the mediobasal hypothalamus of the rat. Carson KA, et al. *J Comp Neurol* 182(2):201-19, 15 Nov 78
- The effect of progesterone analogues, naturally occurring steroids, and contraceptive progestins on hypothalamic and anterior pituitary delta4-steroid (progesterone) 5alpha-reductase. Krause JE, et al. *Steroids* 31(6):823-39, Jun 78
- [Basic properties of the hypothalamic neurosecretory cells. II. The histochemistry of energy metabolism] Gul'iants ES, et al. *Zh Eksp Klin Med* (4):31-9, 1978 (Eng. Abstr.) (Rus)
- GROWTH & DEVELOPMENT**
- Ontogenesis of thyroliberin in the mouse hypothalamus. Faivre-Bauman A, et al. *Brain Res* 154(2):382-7, 13 Oct 78
- The effect of neonatal castration on the developmental changes of the nuclear sizes of the neurons in the hypothalamic nuclei of female rats. Morishita H, et al. *Brain Res* 156(1):146-50, 3 Nov 78
- Spontaneous and evoked hypothalamic unit activity in kittens during development. Baklavadzhyan OG, et al. *Neurosci Behav Physiol* 8(1):33-9, Jan-Mar 77
- METABOLISM**
- Changes in rat hypothalamic content of corticotrophin-releasing factor (CRF) activity, plasma ACTH and corticosterone under stress and the effect of cycloheximide. Fujieda K, et al. *Acta Endocrinol (Copenh)* 89(1):10-9, Sep 78
- Levels of dopamine, norepinephrine and 5-hydroxytryptamine in different regions of the rat brain in thallium toxicosis. Hasan M, et al. *Acta Pharmacol Toxicol (Copenh)* 43(3):169-73, Sep 78
- The adrenergic influences on the hypothalamic and neurohypophyseal oxytocic activity in long-term dehydrated male white rats. Guzek JW, et al. *Acta Physiol Pol* 29(3):221-9, May-Jun 78
- Assays and dynamics of corticotropin-releasing factor activity in rat hypothalamus. Hiroshige T, et al. *Ann NY Acad Sci* 297:436-54, 28 Oct 77
- Interaction of 5,6- and 5,7-dihydroxytryptamine with tissue monoamine oxidase. Klemm HP, et al. *Ann NY Acad Sci* 305:36-56, 12 Jun 78
- Neural pathways involved in ACTH regulation. Palkovits M. *Ann NY Acad Sci* 297:455-76, 28 Oct 77
- Differential responsiveness of central noradrenergic and dopaminergic neuron tyrosine hydroxylase to hypophysectomy, ACTH and glucocorticoid administration. Van Loon GR, et al. *Ann NY Acad Sci* 297:284-94, 28 Oct 77
- Effects of racemic, (S)- and (R)-methylenedioxymphetamine on synaptosomal uptake and release of tritiated norepinephrine. Marquardt GM, et al. *Biochem Pharmacol* 27(10):1497-501, 15 May 78
- Angiotensin binding affinity and capacity in the midbrain area of spontaneously hypertensive and normotensive rats. Cole FE, et al. *Brain Res* 154(1):178-81, 6 Oct 78
- Release of  $^{45}\text{Ca}^{2+}$  in the diencephalon of the monkey during feeding and drinking. Meeker R, et al. *Brain Res*



- 154(2):421-5, 13 Oct 78
- Effect of opioid peptides on L-noradrenaline-stimulated cyclic AMP formation in homogenates of rat cerebral cortex and hypothalamus. Tsang D, et al. *Brain Res* 152(3):521-7, 8 Sep 78
- Effect of hypophysectomy on the luteinizing hormone-releasing hormone content of the organum vasculosum of the lamina terminalis in female rat. Wenger T, et al. *Brain Res* 157(1):157-60, 17 Nov 78
- Elevated adrenaline content in nuclei of the medulla oblongata and the hypothalamus during the development of spontaneous hypertension. Wijnen HJ, et al. *Brain Res* 157(1):191-5, 17 Nov 78
- Immunofluorescence study of the hypothalamo-infundibular LRH tract and serum gonadotropin levels in the female squirrel monkey during the estrous cycle. Barry J, et al. *Cell Tissue Res* 192(2):215-26, 5 Sep 78
- Steroid binding in the hypothalamus and pituitary. Raynaud JP, et al. *Curr Top Mol Endocrinol* 3:171-89, 1976
- Experimental studies concerning the mechanism of the thyroid-pineal interrelationship. II. Action of the pineal peptides on the pituitary TSH reserve and hypothalamic content of TRH in MTU-treated rats. Negoescu I, et al. *Endocrinologie* 16(3):199-204, Jul-Sep 78
- Effect of morphine on the basal and the dopamine-induced release of LHRH from mediobasal hypothalamic fragments in vitro. Rotsztein WH, et al. *Eur J Pharmacol* 50(3):285-6, 1 Aug 78
- Topographical distribution of concanavalin A binding sites in hypothalamus. Garcia-Segura LM, et al. *Folia Morphol (Praha)* 26(3):262-71, 1978
- Effect of photoperiod reversal on twenty-four hour patterns for GABA levels in rat brain. Friedman AH, et al. *Int J Chronobiol* 5(3):445-58, 1978
- The hypothalamic magnocellular system of the rhesus monkey: an immunocytochemical study. Antunes JL, et al. *J Comp Neurol* 181(3):539-65, 1 Oct 78
- Changes in oestradiol-17 $\beta$  binding in the hypothalamus and pituitary glands of persistently infertile ewes previously exposed to oestrogenic subterranean clover: evidence of alterations to oestradiol receptors. Tang BY, et al. *J Endocrinol* 78(2):171-7, Aug 78
- Hypotension and hypothalamic amine metabolism after long-term alpha-methyl-dopa infusions. Freed CR, et al. *Life Sci* 23(4):313-22, 24 Jul 78
- Evidence for two separate opiate peptide neuronal systems. Watson SJ, et al. *Nature* 275(5677):226-8, 21 Sep 78
- Influence of fornix, electrocoagulation on the level of cerebral amino acids in cats with hypothalamic cobalt epileptogenic focus. Luca N, et al. *Neurol Psychiatr (Bucur)* 16(3):179-84, Jul-Sep 78
- Dopamine in the hypothalamus of the cat: pharmacological characterization and push-pull perfusion analysis of sites mediating hypothermia. Ruwe WD, et al. *Pharmacol Biochem Behav* 9(1):65-80, Jul 78
- Involvement of brain cyclic AMP in the acute and chronic effects of morphine in the rat. Salles KS, et al. *Pharmacology* 17(3):128-37, 1978
- N-acetyl-p-amino-phenol (paracetamol, acetaminophen) in the treatment of acute schizophrenia. Falloon I, et al. *Psychol Med* 8(3):495-9, Aug 78
- Diurnal variations of renin-like activity in pineal gland, hypophysis and hypophysis and hypothalamus of the rat. Häulicä I, et al. *Rev Med Chir Soc Med Nat Iasi* 82(2):283-90, Apr-Jun 78
- [Effects of levophacetoperane, pemoline, fenozolone, and centrophoxine on catecholamines and serotonin uptake in various parts of the rat brain] Ramirez A, et al. *C R Acad Sci [D] (Paris)* 187(1):53-6, 3 Jul 78 (Eng. Abstr.) (Fre)
- [Demonstration of the neurosecretory hypothalamo-rhombencephalic junction in rats by the retrograde axonal transport of horseradish peroxidase] Schober F. *Acta Biol Med Ger* 37(1):165-7, 1978 (Eng. Abstr.) (Ger)
- [Biological effect of thyrotropin releasing hormone] Klingler W, et al. *Med Welt* 29(42):1645-6, 20 Oct 78 (Ger)
- [Inactivation of somatostatin in the serum and brain tissue] Utsumi M, et al. *Horumon To Rinsho* 26(6):558-60, Jun 78 (Jpn)
- [Concentration of acid proteins in the nuclei of rat hypothalamic neuron and glial cell nuclei during cold adaptation] Mogil'nitskaia LV, et al. *Biull Eksp Biol Med* 86(8):187-90, Aug 78 (Eng. Abstr.) (Rus)
- [Effects of acute and chronic alcohol poisoning on the noradrenaline content in the rat hypothalamus] Denisenko PP, et al. *Farmakol Toksikol* 41(5):618-20, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Effect of genotype on the angiotensin-forming system of plasma and the hypothalamus] Solenov EI, et al. *Genetika* 14(2):267-72, Feb 78 (Eng. Abstr.) (Rus)
- [Status of carbohydrate metabolism in patients with hypothalamic syndrome in puberty] Veinberg EG, et al. *Pediatrics* 9(9):60-2, Sep 78 (Rus)
- [LH-RH content in different parts of the hypothalamus and blood of rats with an altered level of thyroid hormones] Babichev VN, et al. *Probl Endokrinol (Mosk)* 24(5):59-63, Sep-Oct 78 (Eng. Abstr.) (Rus)
- ### PATHOLOGY
- Acute elevations of serum luteinizing hormone induced by kanic acid, N-methyl aspartic acid or homocysteic acid. Price MT, et al. *Neuroendocrinology* 26(6):352-8, 1978
- [Disorders of heat and water regulation. Proliferative reticulo granulomatous process of hypothalamic origin (author's transl)] Cambier J, et al. *Rev Neurol (Paris)* 134(3):197-213, Mar 78 (Eng. Abstr.) (Fre)
- [State of the neurosecretory nuclei of the hypothalamus during stress molting in chickens] Garmatina SM, et al. *Fiziol Zh* 24(5):681-6, Sep-Oct 78 (Eng. Abstr.) (Rus)
- ### PHYSIOLOGY
- Effects of medial hypothalamic deafferentation on prolactin secretion in pseudopregnant rats. Kato H, et al. *Acta Endocrinol (Copenh)* 89(3):425-31, Nov 78
- The role of the hypothalamus in the tonic secretion of prolactin induced by oestrogens in the rat. Kato H, et al. *Acta Endocrinol (Copenh)* 89(3):417-24, Nov 78
- Studies of sexual differentiation of sheep. II. Evidence for post-natal hypothalamic hypophysiotrophic depression of basal LH secretion following pre-natal androgenisation. Wilson PR, et al. *Acta Endocrinol (Copenh)* 89(1):190-5, Sep 78
- Regulation of the activity of respiratory muscles during sleep. Parmeggiani PL. *Adv Exp Med Biol* 99:47-57, 1978
- Hemodynamic effects of electrical stimulation of forebrain angiotensin and osmosensitive sites. Am J Physiol 235(4):H445-51, Oct 78
- Feeding responses of rats with dorsomedial hypothalamic lesions given ip 2DG or glucose. Bellinger LL, et al. *Am J Physiol* 235(3):R168-74, Sep 78
- Sustained pressor responsiveness to prolonged hypothalamic stimulation in awake rats. Buñag RD, et al. *Am J Physiol* 231(6):1708-15, Dec 76
- Transplantation of pancreatic beta-cells prevents development of hypothalamic obesity in rats. Inoue S, et al. *Am J Physiol* 235(3):E266-71, Sep 78
- Persistence of febrile response to pyrogens after PO/AH lesions in squirrel monkeys. Lipton JM, et al. *Am J Physiol* 231(6):1638-48, Dec 76
- Hypothalamic thermosensitivity in conscious Pekin ducks. Simon-Oppermann C, et al. *Am J Physiol* 235(3):R130-40, Sep 78
- Effects of central 5,7-dihydroxytryptamine on the medical hypothalamic syndrome in rats. Coscina DV. *Ann NY Acad Sci* 305:627-44, 12 Jun 78
- The neural regulation of compensatory adrenal growth. Dallman MF, et al. *Ann NY Acad Sci* 297:373-92, 28 Oct 77
- Neurotransmitter regulation of corticotropin-releasing factor in vitro. Jones MT, et al. *Ann NY Acad Sci* 297:536-60, 28 Oct 77
- Some aspects of corticosteroid feedback actions. Smelik PG. *Ann NY Acad Sci* 297:580-90, 28 Oct 77
- Different effects of vagotomy and atropine on hypothalamic stimulation-induced feeding. Powley TL, et al. *Behav Biol* 23(3):306-25, Jul 78
- Diffusion of [ $^3$ H] testosterone from hypothalamic microimplants in castrated male gerbils: correlation with acute changes in plasma LH. Turner JW Jr. *Biol Reprod* 19(1):194-201, Aug 78
- Aggression and flight behaviour of the marmoset monkey *Callithrix jacchus*: an ethogram for brain stimulation studies. Lipp HP. *Brain Behav Evol* 15(4):241-59, 1978
- Threat, attack and flight elicited by electrical stimulation of the ventromedial hypothalamus of the marmoset monkey *Callithrix jacchus*. Lipp HP, et al. *Brain Behav Evol* 15(4):260-93, 1978
- Centrally elicited attack behavior in cats: post-stimulus excitability and midbrain-hypothalamic inter-relationships. Bandler R, et al. *Brain Res* 153(2):427-33, 22 Sep 78
- Effects of acetylcholine, sodium glutamate and GABA on the discharge of supraoptic neurons in the rat. Bioulac B, et al. *Brain Res* 154(1):159-62, 6 Oct 78
- Potentiation of a cardioinhibitory reflex by hypothalamic stimulation in the rabbit. Evans MH. *Brain Res* 154(2):331-43, 13 Oct 78



- Electrical activity of hypothalamus during activation of pituitary-adrenocortical system. Filaretov AA, et al. *Brain Res* 156(1):67-74, 3 Nov 78
- Attenuated pressor responses to intracranially injected stimuli and altered antidiuretic activity following preoptic-hypothalamic periventricular ablation. Johnson AK, et al. *Brain Res* 157(1):161-6, 17 Nov 78
- Organum vasculosum laminae terminalis and reflex ovulation in the rabbit. Lescure H, et al. *Brain Res* 154(1):209-13, 6 Oct 78
- Changes in the distribution of non-neuronal elements in rat median eminence and in anterior pituitary hormone secretion after activation of tuberoinfundibular dopamine neurones by brain stimulation or nicotine. Lichtensteiger W, et al. *Brain Res* 157(1):73-88, 17 Nov 78
- Comparison of tyrosine hydroxylase and choline acetyltransferase activity in response to sympathetic nervous system activation. Lund DD, et al. *Brain Res* 156(1):192-7, 3 Nov 78
- Centrifugal influence on olfactory bulb activity in the rabbit. Nakashima M, et al. *Brain Res* 154(2):301-6, 13 Oct 78
- Identification of a subregion within rat neostriatum for the dopaminergic modulation of lateral hypothalamic self-stimulation. Neill DB, et al. *Brain Res* 153(3):515-28, 29 Sep 78
- Histamine and histidine decarboxylase in brain stem nuclei: distribution and decrease after lesions. Pollard H, et al. *Brain Res* 157(1):178-81, 17 Nov 78
- Evidence for amygdaloid projections to the contralateral hypothalamus and the ipsilateral midbrain in the rat. Post S, et al. *Cell Tissue Res* 191(1):183-6, 13 Jul 78
- The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)
- Central regulation of arterial blood pressure. Philippu A. *Clin Sci Mol Med* 48 Suppl 2:191S-194S, Jun 75
- Neural control of renin release. Zanchetti A, et al. *Clin Sci Mol Med* 48 Suppl 2:215S-223S, Jun 75 (63 ref.)
- In vivo methods for studying the action of hypothalamic hormones with special reference to their antisera as tools for investigation. Arimura A. *Curr Top Mol Endocrinol* 3:387-96, 1976 (25 ref.)
- Role of sex steroids on LH and FSH secretion in the rat. Ferland L, et al. *Curr Top Mol Endocrinol* 3:191-209, 1976 (35 ref.)
- New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al. *Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)
- Episodic GH secretion: evidence for a hypothalamic dopaminergic mechanism. Willoughby JO, et al. *Curr Top Mol Endocrinol* 3:303-20, 1976
- Precise location within the preoptic area where noradrenaline produces hypothermia. Metcalf G, et al. *Eur J Pharmacol* 51(1):47-53, 1 Sep 78
- Phasic discharge in supraoptic neurones recorded from hypothalamic slices. Haller EW, et al. *Exp Brain Res* 33(1):131-4, 15 Sep 78
- Pituitary-ovarian relationships during the post-reproductive phase of inbred mice. Gosden RG, et al. *Exp Gerontol* 13(3-4):159-66, 1978
- Central neural control of endocrine rhythms in the rat. pp. 153-62. Kalra SP, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- Haemodynamic effects of hypothalamic stimulation on skin and muscle venous beds. Mukherjee R, et al. *Indian J Physiol Pharmacol* 22(2):113-24, Apr-Jun 78
- Neuroleptic-induced attenuation of brain stimulation reward in rats. Fouriez G, et al. *J Comp Physiol Psychol* 92(4):661-71, Aug 78
- Two types of aphagia and two types of sensorimotor impairment after lateral hypothalamic lesions: observations in normal weight, dieted, and fattened rats. Schallert T, et al. *J Comp Physiol Psychol* 92(4):720-41, Aug 78
- Localization of the site of the haloperidol-induced, prolactin-mediated increase of dopamine turnover in the median eminence: studies in rats with complete hypothalamic deafferentations. Gudelsky GA, et al. *J Neural Transm* 42(3):181-92, 1978
- Projection of the dorsal raphe nucleus on to identified preoptic neurones [proceedings] MacLeod NK, et al. *J Physiol (Lond)* 281:27P-28P, Aug 78
- Pharmacological characterization of perifornical hypothalamic beta-adrenergic receptors mediating feeding inhibition in the rat. Leibowitz SF, et al. *Neuropharmacology* 17(9):691-702, Sep 78
- Spontaneous and evoked hypothalamic unit activity in kittens during development. Baklavadzhan OG, et al. *Neurosci Behav Physiol* 8(1):33-9, Jan-Mar 77
- Selective action of decimeter waves on central brain structures. Faitel'berg-Blank VR, et al. *Neurosci Behav Physiol* 8(2):172-6, Apr-Jun 77
- Recording hypothalamic unit activity by long-term implanted electrodes. Filaretov AA, et al. *Neurosci Behav Physiol* 8(1):45-6, Jan-Mar 77
- Electrophysiological investigation of cortico-hypothalamic relations in cats. Kazakov VN, et al. *Neurosci Behav Physiol* 8(2):138-43, Apr-Jun 77
- Preferential ipsilateral influence of the posterior hypothalamus on the neocortex. Naneishvili TL, et al. *Neurosci Behav Physiol* 8(1):9-14, Jan-Mar 77
- Changes in ingestive behavior following interruption of a noradrenergic projection to the paraventricular nucleus: histochemical and neurochemical analyses. O'Donohue TL, et al. *Pharmacol Biochem Behav* 9(1):99-105, Jul 78
- Differential behavioral activities from anterior and posterior hypothalamic lesions in the rat. Rondeau DB, et al. *Pharmacol Biochem Behav* 9(1):43-7, Jul 78
- Medial hypothalamic electrical stimulation is ineffective in suppressing septal lesion induced hyperreactivity. Albert DJ, et al. *Physiol Behav* 21(1):135-9, Jul 78
- Neocortical and hippocampal EEG in normal and lateral hypothalamic-damaged rats. de Ryck M, et al. *Physiol Behav* 20(4):403-9, Apr 78
- Food intake and utilization in lateral hypothalamically lesioned rats. Keesey RE, et al. *Physiol Behav* 21(2):265-8, Aug 78
- Half-cylinder cuts antero-lateral to the ventromedial nucleus reduce sexual receptivity in female golden hamsters. Malsbury CW, et al. *Physiol Behav* 21(1):79-87, Jul 78
- Influence of gonadal hormones and genital afferents on EEG activity of the hypothalamus in adult male rhesus monkeys. Mangat HK, et al. *Physiol Behav* 20(4):377-84, Apr 78
- Meal size as a determinant of food intake in normal and hypothalamic obese rats. Thomas DW, et al. *Physiol Behav* 21(1):113-7, Jul 78
- Neuropharmacology of appetite regulation. Barrett AM. *Proc Nutr Soc* 37(2):193-9, Sep 78
- Neurochemistry of appetite mechanisms. Booth DA. *Proc Nutr Soc* 37(2):181-91, Sep 78
- Mechanism of hypothalamic control of cardiac component of sinus nerve reflex. Lopes OU, et al. *Q J Exp Physiol* 63(3):231-54, Jul 78
- Aphagia and adipisia after preferential destruction of nerve cell bodies in hypothalamus. Grossman SP, et al. *Science* 202(4367):537-9, 3 Nov 78
- Aspects of hypothalamic regulation of the pituitary gland. Schally AV. *Science* 202(4363):18-28, 6 Oct 78 (136 ref.)
- Climate, thirst and renin. Flinn RB. *Trans Am Clin Climatol Assoc* 89:130-40, 1977
- [Gonadal hormone production before puberty] Huhtaniemi I. *Duodecim* 94(10):625-32, 1978 (Fin)
- [Monoaminergic and peptidergic innervation of rat median eminence, studied by a combination, in the same hypothalamus, of histofluorescent, immunocytochemical and radioautographic techniques] Alonso G, et al. *C R Soc Biol (Paris)* 172(1):138-48, 1978 (Eng. Abstr.) (Fre)
- [Comparative study of the activity of medullary respiratory neurones during polypnea triggered by hypothalamic electrical stimulation or by hypothalamic heating (author's transl)] Monteau R, et al. *J Physiol (Paris)* 74(1):45-55, 1978 (Eng. Abstr.) (Fre)
- [Visually evoked responses of lateral geniculate body neurones on electrical stimulation of brain sites yielding self stimulation in rats] Kolke U, et al. *Acta Biol Med Ger* 37(2):267-74, 1978 (Eng. Abstr.) (Ger)
- [Regulation of the adenohipophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. III. Corticotropin releasing hormone, prolactin releasing hormone, prolactostatin, melanotropin releasing hormone, melanostatin] Blech W. *Endokrinologie* 71(3):325-36, Mar 78 (86 ref.) (Ger)
- [Inhibition and possible transmitter substance from the frontal cortex to the lateral hypothalamic area in the rat (author's transl)] Kita H. *Fukuoka Igaku Zasshi* 69(6):223-34, 25 Jun 78 (Eng. Abstr.) (Jpn)
- [Cholinergic effect, provoked by stimulation of cat's anterior hypothalamus, on the contractility of skeletal muscle] Berdina NA, et al. *Biol Nauki* (7):77-81, 1978 (Rus)
- [Neuronal mechanisms of hypothalamic control of sympathetic nervous system activity] Baklavadzhan OG. *Fiziol Zh* 24(5):602-8, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Participation of brain stem structures in regulating the secretion of vasopressin-ADH] Chebotareva LL, et al. *Fiziol Zh* 24(5):651-8, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Hypothalamic regulation of RNA and protein biosynthesis during aging] Frol'kis VV, et al. *Fiziol Zh* 24(5):627-33, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Several mechanisms of hypothalamo-cortical effects] Makarchenko AF, et al. *Fiziol Zh* 24(5):609-19, Sep-Oct

- 78 (Eng. Abstr.) (Rus)  
 [Hypothalamus and its role in the mechanisms of ascending and descending influences] Makarchenko AF. *Fiziol Zh* 24(5):579-88, Sep-Oct 78 (41 ref.) (Eng. Abstr.) (Rus)  
 [Functional activity of brain stem-hypothalamic formations according to orientation reflex findings in persons of different ages] Man'kovskii NB, et al. *Fiziol Zh* 24(5):634-40, Sep-Oct 78 (Eng. Abstr.) (Rus)  
 [Hypothalamic mechanisms of the seasonal cyclicity of bird reproduction] Novikov BG. *Fiziol Zh* 24(5):667-73, Sep-Oct 78 (Eng. Abstr.) (Rus)  
 [Pacemaker role for the hypothalamus in the formation of normal and pathologic food motivations] Sudakov KV. *Fiziol Zh* 24(5):589-601, Sep-Oct 78 (Eng. Abstr.) (Rus)  
 [Influence of the preoptic area on light-evoked reactions in visual cortex and lateral geniculate body neurons] Velikaia RR, et al. *Fiziol Zh* 24(5):620-6, Sep-Oct 78 (Rus)  
 [Use of temperature of the rabbit auricular concha as an index of cutaneous blood flow] Gekhman BI, et al. *Fiziol Zh SSSR* 64(8):1177-81, Aug 78 (Rus)  
 [Modulation of the activity of neurons of Deiter's nucleus upon electric stimulation of the hypothalamus and limbic structures of the brain] Raitses VS, et al. *Fiziol Zh SSSR* 64(8):1105-11, Aug 78 (Eng. Abstr.) (Rus)  
 [Effect of stimulation of the preoptic region of the hypothalamus on the activity of individual optic tract fibers in rabbits] Il'in VN. *Neirofiziolgiia* 10(5):494-503, 1978 (Eng. Abstr.) (Rus)  
 Hypothalamic self-stimulation and duodenum motor activity. Chernigovsky VN, et al. *Physiol Behav* 21(1):1-5, Jul 78 (Rus)  
 [Nervous regulation of genetic processes] Berdyshev GD, et al. *Usp Sovrem Biol* 86(1):43-54, Jul-Aug 78 (78 ref.) (Rus)  
 [Sex differences in brain functioning and effects related to them] Vunder PA. *Usp Sovrem Biol* 86(1):129-42, Jul-Aug 78 (104 ref.) (Rus)  
 [Role of the frontal cortex in organizing emotional-behavioral reactions induced by hypothalamic stimulation and natural stimuli] Lomarev MP. *Zh Vyssh Nerv Deiat* 28(4):792-7, Jul-Aug 78 (Eng. Abstr.) (Rus)

## PHYSIOPATHOLOGY

- Humoral control of appetite: a urinary anorexigenic peptide. Chromatographic patterns of urinary peptides in anorexia nervosa. Trygstad O, et al. *Acta Endocrinol (Copenh)* 89(1):196-208, Sep 78  
 Neural control of ACTH release in response to hemorrhage. Gann DS, et al. *Ann NY Acad Sci* 297:477-97, 28 Oct 77  
 Studies on the diagnostic use of LH-RH. Rochefort JG, et al. *Curr Top Mol Endocrinol* 3:65-72, 1976  
 Growth hormone hypersecretion and acromegaly. Daughaday WH, et al. *Hosp Pract* 13(8):75-80, Aug 78  
 Sympathetic hyperactivity during hypothalamic stimulation in spontaneously hypertensive rats. Takeda K, et al. *J Clin Invest* 62(3):642-8, Sep 78  
 Corticosteroid production in vitro by adrenal tissue from rats with inherited hypothalamic diabetes insipidus (Brattleboro strain). Vinson GP, et al. *J Steroid Biochem* 9(7):657-65, Jul 78  
 Dexamethasone test in alcoholics [letter] Oxenkrug GF. *Lancet* 2(8093):795, 7 Oct 78  
 Disturbances of neurotransmitter metabolism in anorexia nervosa. Crisp AH. *Proc Nutr Soc* 37(2):201-9, Sep 78  
 Psychoendocrinology and growth hormone: a review. Brown GM, et al. *Psychoneuroendocrinology* 3(2):131-53, Apr 78 (112 ref.)  
 The psychophysiology of stress. Finestone AJ. *Psychosomatics* 19(10):587-9, Oct 78  
 [Neuroendocrine conditioning of cervix neoplasms] Klimek R. *Ginek Pol* 49(5):369-75, May 78 (Eng. Abstr.) (Pol)  
 [Deficient function of the hypothalamic centers as a cause of primary amenorrhea] Bogdahova EA, et al. *Akush Ginek (Mosk)* (8):24-7, Aug 78 (Eng. Abstr.) (Rus)  
 [Mechanism of the effect of pyrogenic substances on the thermoregulatory centers in thyroid gland function disorders] Medvedeva GI. *Patol Fiziol Eksp Ter* (4):40-3, Jul-Aug 78 (Eng. Abstr.) (Rus)  
 [Hypothalamo-thyroid disorders of predominantly infectious etiology] Piliavskia LD, et al. *Vrach Delo* (6):136-7, Jun 78 (Rus)

## RADIATION EFFECTS

- [Hypothalamic sensitivity to corticosteroids in the late period after irradiation] Prokudina EA. *Radiobiologiya* 18(4):624-7, Jul-Aug 78 (Eng. Abstr.) (Rus)

## SECRETION

- Effect of norepinephrine synthesis inhibitors and a dopamine agonist on hypothalamic LH-RH serum gonadotrophin and prolactin levels in gonadal steroid treated rats. Kalra SP, et al. *Acta Endocrinol (Copenh)* 89(1):1-9, Sep 78  
 The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)  
 Immunohistochemical localization of hypothalamic hormones (especially LRF) at the light microscopy level. Barry J. *Curr Top Mol Endocrinol* 3:451-73, 1976 (118 ref.)  
 Immunohistochemical localization of hypothalamic hormones at the electron microscope level. Pelletier G. *Curr Top Mol Endocrinol* 3:433-50, 1976 (23 ref.)  
 Somatostatin inhibits release of thyrotropin releasing factor from organ cultures of rat hypothalamus. Hirooka Y, et al. *Proc Natl Acad Sci USA* 75(9):4509-13, Sep 78  
 [Age and increase in the sensitivity threshold of the tonic region of the hypothalamic sex center to inhibition by estradiol in female rats] Anisimov VN, et al. *Biull Eksp Biol Med* 86(8):228-30, Aug 78 (Eng. Abstr.) (Rus)  
 [Dyshormonal tumors (a review of the literature)] Lekhtman MN. *Zdravookhr Kirg* (5):51-8, Sep-Oct 78 (Rus)

## SURGERY

- Episodic GH secretion: evidence for a hypothalamic dopaminergic mechanism. Willoughby JO, et al. *Curr Top Mol Endocrinol* 3:303-20, 1976

## ULTRASTRUCTURE

- Ascending brain stem pathways to the diencephalon and limbic regions: a light and electron microscopic study in the rat. Záborszky L, et al. *Acta Microbiol Acad Sci Hung* 25(2):49-71, 1978  
 The neurohypophyseal capillary bed. II. Specializations within median eminence. Page RB, et al. *Am J Anat* 153(1):33-65, Sep 78  
 Neural pathways involved in ACTH regulation. Palkovits M. *Ann NY Acad Sci* 297:455-76, 28 Oct 77  
 Effects of racemic, (S)- and (R)-methylenedioxymphetamine on synaptosomal uptake and release of tritiated norepinephrine. Marquardt GM, et al. *Biochem Pharmacol* 27(10):1497-501, 15 May 78  
 Effects of mazindol on rat brain synaptosomal monoamine uptake. Sugrue MF, et al. *Biochem Pharmacol* 27(14):1843-7, 1978  
 Immunohistochemical localization of alpha-melanocyte stimulating hormone (alpha-MSH) in the human hypothalamus. Déry L, et al. *Brain Res* 154(2):377-81, 13 Oct 78  
 Experimental studies on the ultrastructural localization of acetylcholinesterase in the mediobasal hypothalamus of the rat. Carson KA, et al. *J Comp Neurol* 182(2):201-19, 15 Nov 78  
 Demonstration of a temperature-dependent association of thyrotropin releasing hormone, alpha-melanocyte stimulating hormone, and luteinizing hormone releasing hormone with subneuronal particles in hypothalamic synaptosomes. Barnea A, et al. *J Neurochem* 31(5):1125-34, Nov 78  
 [Morphology of neurosecretory nuclei of the hypothalamus and of the neurohypophysis in the course of mercury phenylacetate poisoning] Kozik MB, et al. *Endokrynol Pol* 29(4):321-37, Jul-Aug 78 (Eng. Abstr.) (Pol)

## HYPOTHALAMUS, ANTERIOR

## CYTOLOGY

- Time of neuron origin in the anterior hypothalamus of the rat. Anderson CH. *Brain Res* 154(1):119-22, 6 Oct 78  
 The effect of neonatal castration on the developmental changes of the nuclear sizes of the neurons in the hypothalamic nuclei of female rats. Morishita H, et al. *Brain Res* 156(1):146-50, 3 Nov 78  
 Hypothalamic neuron number of old female rats. Hsu HK, et al. *Gerontology* 24(6):434-40, 1978

## DRUG EFFECTS

- Differential behavioral activities from anterior and posterior hypothalamic lesions in the rat. Rondeau DB, et al. *Pharmacol Biochem Behav* 9(1):43-7, Jul 78



## ENZYMOMOLOGY

- The diurnal variations of dopamine-beta-hydroxylase activity in the hypothalamus and locus coeruleus of the rat. Daiguji M, et al. *Brain Res* 155(2):409-12, 27 Oct 78
- Changes in epinephrine in individual hypothalamic nuclei after immobilization stress. Kvetňanský R, et al. *Brain Res* 155(2):387-90, 27 Oct 78
- Glutamate decarboxylase activity in preoptic and hypothalamic nuclei of the rat. Itoh M, et al. *Experientia* 34(8):988-9, 15 Aug 78

## PHYSIOLOGY

- Persistence of febrile response to pyrogens after PO/AH lesions in squirrel monkeys. Lipton JM, et al. *Am J Physiol* 231(6):1638-48, Dec 76
- Electrical activity of hypothalamus during activation of pituitary-adrenocortical system. Filaretov AA, et al. *Brain Res* 156(1):67-74, 3 Nov 78
- Differential behavioral activities from anterior and posterior hypothalamic lesions in the rat. Rondeau DB, et al. *Pharmacol Biochem Behav* 9(1):43-7, Jul 78
- [Cholinergic effect, provoked by stimulation of cat's anterior hypothalamus, on the contractility of skeletal muscle] Berdina NA, et al. *Biol Nauki* (7):77-81, 1978 (Rus)

## HYPOTHALAMUS, MEDIAL

## CYTOLOGY

- Neuronal degeneration caused by lateral ventricular injection of 6-hydroxy-dopamine. I. The ventral premammillary nucleus and other cell groups. Hedreen J. *Brain Res* 157(1):129-35, 17 Nov 78
- Changes in the distribution of non-neuronal elements in rat median eminence and in anterior pituitary hormone secretion after activation of tuberoinfundibular dopamine neurones by brain stimulation or nicotine. Lichtensteiger W, et al. *Brain Res* 157(1):73-88, 17 Nov 78
- The effect of neonatal castration on the developmental changes of the nuclear sizes of the neurons in the hypothalamic nuclei of female rats. Morishita H, et al. *Brain Res* 156(1):146-50, 3 Nov 78
- Cytological observations on the ventromedial hypothalamic nucleus. Millhouse OE. *Cell Tissue Res* 191(3):473-91, 16 Aug 78

## DRUG EFFECTS

- Changes in the distribution of non-neuronal elements in rat median eminence and in anterior pituitary hormone secretion after activation of tuberoinfundibular dopamine neurones by brain stimulation or nicotine. Lichtensteiger W, et al. *Brain Res* 157(1):73-88, 17 Nov 78
- The effect of parenteral glutamate treatment on the localization of neurotransmitters in the mediobasal hypothalamus. Walaas I, et al. *Brain Res* 153(3):549-62, 29 Sep 78
- Effect of morphine on the basal and the dopamine-induced release of LHRH from mediobasal hypothalamic fragments in vitro. Rotsztein WH, et al. *Eur J Pharmacol* 50(3):285-6, 1 Aug 78
- Association of altered brain norepinephrine and serotonin with the obesity induced by goldthioglucose in mice. Coscina DV, et al. *Pharmacol Biochem Behav* 9(1):123-8, Jul 78

## ENZYMOMOLOGY

- Changes in epinephrine in individual hypothalamic nuclei after immobilization stress. Kvetňanský R, et al. *Brain Res* 155(2):387-90, 27 Oct 78
- The effect of parenteral glutamate treatment on the localization of neurotransmitters in the mediobasal hypothalamus. Walaas I, et al. *Brain Res* 153(3):549-62, 29 Sep 78
- Glutamate decarboxylase activity in preoptic and hypothalamic nuclei of the rat. Itoh M, et al. *Experientia* 34(8):988-9, 15 Aug 78

## METABOLISM

- Effect of hypophysectomy on the luteinizing hormone-releasing hormone content of the organum vasculosum of the lamina terminalis in female rat. Wenger T, et al. *Brain Res* 157(1):157-60, 17 Nov 78
- Effect of morphine on the basal and the dopamine-induced

release of LHRH from mediobasal hypothalamic fragments in vitro. Rotsztein WH, et al. *Eur J Pharmacol* 50(3):285-6, 1 Aug 78

## PHYSIOLOGY

- Effects of medial hypothalamic deafferentation on prolactin secretion in pseudopregnant rats. Kato H, et al. *Acta Endocrinol (Copenh)* 89(3):425-31, Nov 78
- Transplantation of pancreatic beta-cells prevents development of hypothalamic obesity in rats. Inoue S, et al. *Am J Physiol* 235(3):E266-71, Sep 78
- Effects of central 5,7-dihydroxytryptamine on the medical hypothalamic syndrome in rats. Coscina DV. *Ann NY Acad Sci* 305:627-44, 12 Jun 78
- Threat, attack and flight elicited by electrical stimulation of the ventromedial hypothalamus of the marmoset monkey *Callithrix jacchus*. Lipp HP, et al. *Brain Behav Evol* 15(4):260-93, 1978
- Electrophysiological indications of a 'vasopressinergic' innervation of the median eminence. Blume HW, et al. *Brain Res* 155(1):153-8, 20 Oct 78
- Electrical activity of hypothalamus during activation of pituitary-adrenocortical system. Filaretov AA, et al. *Brain Res* 156(1):67-74, 3 Nov 78
- Episodic GH secretion: evidence for a hypothalamic dopaminergic mechanism. Willoughby JO, et al. *Curr Top Mol Endocrinol* 3:303-20, 1976
- Medial hypothalamic electrical stimulation is ineffective in suppressing septal lesion induced hyperreactivity. Albert DJ, et al. *Physiol Behav* 21(1):135-9, Jul 78
- Half-cylinder cuts antero-lateral to the ventromedial nucleus reduce sexual receptivity in female golden hamsters. Malsbury CW, et al. *Physiol Behav* 21(1):79-87, Jul 78
- Meal size as a determinant of food intake in normal and hypothalamic obese rats. Thomas DW, et al. *Physiol Behav* 21(1):113-7, Jul 78
- [Modulation of the activity of neurons of Deiter's nucleus upon electric stimulation of the hypothalamus and limbic structures of the brain] Raitses VS, et al. *Fiziol Zh SSSR* 64(8):1105-11, Aug 78 (Eng. Abstr.) (Rus)

## HYPOTHALAMUS, POSTERIOR

## ANALYSIS

- A Golgi study of the hypothalamus of Actinopterygii. II. The posterior hypothalamus. Fasolo A, et al. *Cell Tissue Res* 191(3):433-47, 16 Aug 78

## DRUG EFFECTS

- Perfusions of the posterior hypothalamus of cats with various ions and saccharides: effects on body temperature. Jones DL, et al. *Can J Physiol Pharmacol* 56(4):571-7, Aug 78
- Sympathetic hyperactivity during hypothalamic stimulation in spontaneously hypertensive rats. Takeda K, et al. *J Clin Invest* 62(3):642-8, Sep 78
- Differential behavioral activities from anterior and posterior hypothalamic lesions in the rat. Rondeau DB, et al. *Pharmacol Biochem Behav* 9(1):43-7, Jul 78

## ENZYMOMOLOGY

- The diurnal variations of dopamine-beta-hydroxylase activity in the hypothalamus and locus coeruleus of the rat. Daiguji M, et al. *Brain Res* 155(2):409-12, 27 Oct 78
- Glutamate decarboxylase activity in preoptic and hypothalamic nuclei of the rat. Itoh M, et al. *Experientia* 34(8):988-9, 15 Aug 78

## PHYSIOLOGY

- Sustained pressor responsiveness to prolonged hypothalamic stimulation in awake rats. Buñag RD, et al. *Am J Physiol* 231(6):1708-15, Dec 76
- Haemodynamic effects of hypothalamic stimulation on skin and muscle venous beds. Mukherjee R, et al. *Indian J Physiol Pharmacol* 22(2):113-24, Apr-Jun 78
- Preferential ipsilateral influence of the posterior hypothalamus on the neocortex. Naneishvili TL, et al. *Neurosci Behav Physiol* 8(1):9-14, Jan-Mar 77
- Differential behavioral activities from anterior and posterior hypothalamic lesions in the rat. Rondeau DB, et al. *Pharmacol Biochem Behav* 9(1):43-7, Jul 78
- [Several mechanisms of hypothalamo-cortical effects] Makarchenko AF, et al. *Fiziol Zh* 24(5):609-19, Sep-Oct

- 78 (Eng. Abstr.) (Rus)  
Hypothalamic self-stimulation and duodenum motor activity.  
Chernigovsky VN, et al. *Physiol Behav* 21(1):1-5, Jul 78 (Rus)

## PHYSIOPATHOLOGY

- Sympathetic hyperactivity during hypothalamic stimulation in spontaneously hypertensive rats. Takeda K, et al.  
*J Clin Invest* 62(3):642-8, Sep 78

## MEDIAN EMINENCE

- Specific subclones derived from a multipotential clone of rat anterior pituitary cells. Shiino M, et al. *Am J Anat* 153(1):81-95, Sep 78

## ANALYSIS

- The functional and structural border of the neurohemal region of the median eminence. Krisch B, et al.  
*Cell Tissue Res* 192(2):327-39, 5 Sep 78  
Immunohistochemical localization of hypothalamic hormones (especially LRF) at the light microscopy level. Barry J.  
*Curr Top Mol Endocrinol* 3:451-73, 1976 (118 ref.)  
Immunohistochemical localization of hypothalamic hormones at the electron microscope level. Pelletier G.  
*Curr Top Mol Endocrinol* 3:433-50, 1976 (23 ref.)  
Vasoactive-intestinal-polypeptide concentrations in median eminence of hypothalamus [letter] Samson WK, et al.  
*Lancet* 2(8095):901-2, 21 Oct 78  
Fluctuated changes in the rat hypothalamic content of corticotropin releasing factor around the peak of the circadian rhythm. Sakakura M, et al.  
*Tohoku J Exp Med* 125(3):281-5, Jul 78

## ANATOMY &amp; HISTOLOGY

- Forebrain catecholamine projections of the A5 cell group. Speciale SG, et al. *Brain Res* 154(1):128-33, 6 Oct 78  
Immunocytochemical study of the neurohypophysial hormone producing system of the lungfish, *Protopterus aethiopicus*. Goossens N, et al. *Cell Tissue Res* 190(1):69-77, 26 Jun 78  
[Demonstration of a 2d LH-RH neurosecretory system in the duck hypothalamus] Bons N, et al.  
*C R Acad Sci [D] (Paris)* 287(3):145-8, 17 Jul 78 (Eng. Abstr.) (Fre)

## BLOOD SUPPLY

- The neurohypophyseal capillary bed. II. Specializations within median eminence. Page RB, et al. *Am J Anat* 153(1):33-65, Sep 78

## CYTOLOGY

- Changes in the distribution of non-neuronal elements in rat median eminence and in anterior pituitary hormone secretion after activation of tuberoinfundibular dopamine neurones by brain stimulation or nicotine. Lichtensteiger W, et al.  
*Brain Res* 157(1):73-88, 17 Nov 78  
The functional and structural border of the neurohemal region of the median eminence. Krisch B, et al.  
*Cell Tissue Res* 192(2):327-39, 5 Sep 78

## DRUG EFFECTS

- Studies on tuberoinfundibular dopamine neurons. Moore KE, et al. *Adv Biochem Psychopharmacol* 19:193-204, 1978

## ENZYMOLGY

- Specific activity of LHRH and TRH degrading enzymes in various tissues of normal and castrated male rats. Loudes C, et al. *Biochem Biophys Res Commun* 83(3):921-6, 14 Aug 78  
Changes in epinephrine in individual hypothalamic nuclei after immobilization stress. Kvetňanský R, et al. *Brain Res* 155(2):387-90, 27 Oct 78  
The effect of parenteral glutamate treatment on the localization of neurotransmitters in the mediobasal hypothalamus. Walaas I, et al. *Brain Res* 153(3):549-62, 29 Sep 78  
Experimental studies on the ultrastructural localization of acetylcholinesterase in the mediobasal hypothalamus of the rat. Carson KA, et al. *J Comp Neurol* 182(2):201-19, 15 Nov 78

## METABOLISM

- Studies on tuberoinfundibular dopamine neurons. Moore KE, et al. *Adv Biochem Psychopharmacol* 19:193-204, 1978  
Forebrain catecholamine projections of the A5 cell group. Speciale SG, et al. *Brain Res* 154(1):128-33, 6 Oct 78  
Localization of the site of the haloperidol-induced, prolactin-mediated increase of dopamine turnover in the median eminence: studies in rats with complete hypothalamic deafferentations. Gudelsky GA, et al.  
*J Neural Transm* 42(3):181-92, 1978

## PHYSIOLOGY

- The role of the hypothalamus in the tonic secretion of prolactin induced by oestrogens in the rat. Kato H, et al. *Acta Endocrinol (Copenh)* 89(3):417-24, Nov 78  
Hemodynamic effects of electrical stimulation of forebrain angiotensin and osmosensitive sites. Am J Physiol 235(4):H445-51, Oct 78  
Electrophysiological indications of a 'vasopressinergic' innervation of the median eminence. Blume HW, et al. *Brain Res* 155(1):153-8, 20 Oct 78  
The functional and structural border of the neurohemal region of the median eminence. Krisch B, et al.  
*Cell Tissue Res* 192(2):327-39, 5 Sep 78  
[Monoaminergic and peptidergic innervation of rat median eminence, studied by a combination, in the same hypothalamus, of histochemical, immunocytochemical and radioautographic techniques] Alonso G, et al.  
*C R Soc Biol (Paris)* 172(1):138-48, 1978 (Eng. Abstr.) (Fre)

## ULTRASTRUCTURE

- The neurohypophyseal capillary bed. II. Specializations within median eminence. Page RB, et al. *Am J Anat* 153(1):33-65, Sep 78  
Fine structure of the palisade zone of the rat median eminence as revealed by freeze-fracturing. Röhlich P, et al.  
*Cell Tissue Res* 191(3):513-23, 16 Aug 78

## NEUROSECRETORY SYSTEMS

- Neural pathways involved in ACTH regulation. Palkovits M. *Ann NY Acad Sci* 297:455-76, 28 Oct 77  
Vasopressin and corticotropin-releasing factor: an axonal pathway to portal capillaries in the zona externa of the median eminence containing vasopressin and its interaction with adrenal corticoids. Zimmerman EA, et al.  
*Ann NY Acad Sci* 297:405-19, 28 Oct 77

## ANALYSIS

- Acetylcholine in the urophysis of several species of teleosts. Ichikawa T. *Gen Comp Endocrinol* 35(3):226-33, Jul 78  
Localization of receptors for the dipsogenic action of angiotensin II in the subfornical organ of rat. Simpson JB, et al. *J Comp Physiol Psychol* 92(4):581-601, Aug 78

## ANATOMY &amp; HISTOLOGY

- Intra- and extrahypothalamic vasopressin and oxytocin pathways in the rat. Pathways to the limbic system, medulla oblongata and spinal cord. Buijs RM. *Cell Tissue Res* 192(3):423-35, 26 Sep 78

## CYTOLOGY

- The functional and structural border of the neurohemal region of the median eminence. Krisch B, et al.  
*Cell Tissue Res* 192(2):327-39, 5 Sep 78  
[Basic properties of the hypothalamic neurosecretory cells. II. The histochemistry of energy metabolism] Gul'iants ES, et al. *Zh Eksp Klin Med* (4):31-9, 1978 (Eng. Abstr.) (Rus)

## DRUG EFFECTS

- Neuroendocrine consequences of chemical indolectomy. Jacoby JH, et al. *Ann NY Acad Sci* 305:387-98, 12 Jun 78 (123 ref.)  
Morphologic consequences of serotonin neurotoxin administration: neuron-target cell interaction in the rat subcommissural organ. Möllgård K, et al.  
*Ann NY Acad Sci* 305:262-88, 12 Jun 78  
Effects of systemic administration of 6-hydroxydopamine on the circumventricular organs in nonhuman primates. II.



- Subfornical organ. Palazzo MC, et al. *Cell Tissue Res* 191(1):141-50, 13 Jul 78
- Neurosecretion. XVII. Experimentally induced release of neurosecretory material by exocytosis in the insect *Leucophaea maderae*. Scharrer B, et al. *Cell Tissue Res* 190(1):173-80, 26 Jun 78
- Possible relationship between the activity of the adrenal gland and the subcommissural organ in the lizard *Lacerta s. sicula* Raf. Effects of ACTH Administration during winter. Varano L, et al. *Cell Tissue Res* 192(1):53-65, 25 Aug 78
- Ultrastructural analysis of the action of reserpine on the brain neuroendocrine system of the wax moth, *Galleria mellonella* L., Lepidoptera. Warton S, et al. *Cell Tissue Res* 192(1):143-55, 25 Aug 78
- Neuroendocrine responses to benzomorphans (cyclazocine, ketocyclazocine and WIN 35, 197-2) in the rat. Murray GM, et al. *Proc West Pharmacol Soc* 21:371-5, 1978
- [Effects of reserpine on development of *Oedipoda coerulea* L. (Acrididae, Orthoptera) (author's transl)] Moreteau B, et al. *Experientia* 34(8):1098-9, 15 Aug 78 (Eng. Abstr.) (Fre)
- [Effects of acute and chronic alcohol poisoning on the noradrenaline content in the rat hypothalamus] Denisenko PP, et al. *Farmakol Toksikol* 41(5):618-20, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Effect of chronic alcoholic intoxication on the circadian rhythm of the hypothalamic neurosecretory centers in rats] Iavorskii A.N. *Probl Endokrinol (Mosk)* 24(5):63-6, Sep-Oct 78 (Eng. Abstr.) (Rus)

## ENZYMOLGY

- [Basic properties of the hypothalamic neurosecretory cells. II. The histoenzymology of energy metabolism] Gul'iants ES, et al. *Zh Eksp Klin Med* (4):31-9, 1978 (Eng. Abstr.) (Rus)

## METABOLISM

- Effect of hypophysectomy on the luteinizing hormone-releasing hormone content of the organum vasculosum of the lamina terminalis in female rat. Wenger T, et al. *Brain Res* 157(1):157-60, 17 Nov 78
- [Effects of acute and chronic alcohol poisoning on the noradrenaline content in the rat hypothalamus] Denisenko PP, et al. *Farmakol Toksikol* 41(5):618-20, Sep-Oct 78 (Eng. Abstr.) (Rus)

## PHYSIOLOGY

- Adrenal steroid feedback on neuroendocrine tissues. McEwen BS. *Ann NY Acad Sci* 297:568-79, 28 Oct 77
- Neurosecretion. XVII. Experimentally induced release of neurosecretory material by exocytosis in the insect *Leucophaea maderae*. Scharrer B, et al. *Cell Tissue Res* 190(1):173-80, 26 Jun 78
- Effect of urophysal homogenates on plasma ion levels in *Gillichthys mirabilis* (Teleostei:Gobiidae). Fryer JN, et al. *Gen Comp Endocrinol* 35(3):238-44, Jul 78

## ULTRASTRUCTURE

- Neurosecretion. XVII. Experimentally induced release of neurosecretory material by exocytosis in the insect *Leucophaea maderae*. Scharrer B, et al. *Cell Tissue Res* 190(1):173-80, 26 Jun 78
- Surface fine structure of the subfornical organ in the Japanese quail, *Coturnix coturnix japonica*. Takei Y, et al. *Cell Tissue Res* 191(3):389-404, 16 Aug 78
- Parenchymal fine structure of the subfornical organ in the Japanese quail, *Coturnix coturnix japonica*. Tsuneki K, et al. *Cell Tissue Res* 191(3):405-19, 16 Aug 78
- Ultrastructural analysis of the action of reserpine on the brain neuroendocrine system of the wax moth, *Galleria mellonella* L., Lepidoptera. Warton S, et al. *Cell Tissue Res* 192(1):143-55, 25 Aug 78

## PINEAL BODY

- Melatonin as a tumour marker in a patient with pineal tumour [letter] *Br Med J* 2(6137):635-6, 26 Aug 78

## ANALYSIS

- Immunohistochemical localization of hypothalamic hormones at the electron microscope level. Pelletier G. *Curr Top Mol Endocrinol* 3:433-50, 1976 (23 ref.)
- alpha-Albumin (glial fibrillary acidic protein) in normal and

pathological human brain and cerebrospinal fluid. Lowenthal A, et al. *J Neurol* 219(2):87-91, 25 Oct 78

## ANATOMY & HISTOLOGY

- Presence of a pineal nerve (nervus pinealis) in the human fetus: a light and electron microscopical study of the innervation of the pineal gland. Møller M. *Brain Res* 154(1):1-12, 6 Oct 78
- Pineal gland structure and respiration as affected by age and hypocaloric diet. Walker RF, et al. *Exp Gerontol* 13(3-4):91-9, 1978

## CYTOLOGY

- Differentiation of two types of endocrine cells which take up amine precursors using their capacity to take up the fluorescent dihydroisoquinoline derivative of dopamine. Partanen S. *Histochemistry* 57(2):161-75, 25 Aug 78
- Electron microscopic observations on neuron-like cells in the ground squirrel pineal gland. Matsushima S, et al. *J Neural Transm* 42(3):223-37, 1978

## DRUG EFFECTS

- Regulation of the diurnal cycle in activity of serotonin acetyltransferase in the chick pineal gland. Wainwright SD, et al. *Can J Biochem* 56(7):685-90, Jul 78
- Nerve growth factor induced phosphatidylinositol turnover effect of 6-hydroxydopamine treatment. Lakshmanan J. *FEBS Lett* 92(2):159-62, 15 Aug 78
- Diurnal rhythm and turnover of tryptophan hydroxylase in the pineal gland of the rat. Sitaram BR, et al. *J Neurochem* 31(4):1021-6, Oct 78
- [Demonstration of pineal gland and pituitary involution in mice poisoned with carbon tetrachloride] Legait H, et al. *C R Soc Biol (Paris)* 172(2):289-92, 1978 (Eng. Abstr.) (Fre)

## EMBRYOLOGY

- Presence of a pineal nerve (nervus pinealis) in the human fetus: a light and electron microscopical study of the innervation of the pineal gland. Møller M. *Brain Res* 154(1):1-12, 6 Oct 78

## ENZYMOLGY

- A nonisotopic assay for acetylserotonin methyltransferase. Suzuki O, et al. *Anal Biochem* 88(2):580-6, 1 Aug 78
- Regulation of the diurnal cycle in activity of serotonin acetyltransferase in the chick pineal gland. Wainwright SD, et al. *Can J Biochem* 56(7):685-90, Jul 78
- Histochemical localization of cholinesterases in the neural tissue of the pineal in the rhesus monkey. David GF, et al. *Experientia* 34(8):1067-8, 15 Aug 78
- Purification of bovine pineal hydroxyindole O-methyltransferase by immunoadsorption chromatography. Kuwano R, et al. *J Neurochem* 31(4):815-24, Oct 78
- Diurnal rhythm and turnover of tryptophan hydroxylase in the pineal gland of the rat. Sitaram BR, et al. *J Neurochem* 31(4):1021-6, Oct 78

## IMMUNOLOGY

- A simple method for the preparation of the immunoglobulins to hydroxyindole O-methyltransferase. Kuwano R, et al. *J Neurochem* 31(4):809-14, Oct 78

## METABOLISM

- The ultrastructure of pinealocytes in the golden mole (*Amblysomus hottentotus*) with special reference to the granular vesicles. Pevet P, et al. *Cell Tissue Res* 191(1):39-56, 13 Jul 78 (60 ref.)
- Pineal gland structure and respiration as affected by age and hypocaloric diet. Walker RF, et al. *Exp Gerontol* 13(3-4):91-9, 1978
- Nerve growth factor induced phosphatidylinositol turnover effect of 6-hydroxydopamine treatment. Lakshmanan J. *FEBS Lett* 92(2):159-62, 15 Aug 78
- Differentiation of two types of endocrine cells which take up amine precursors using their capacity to take up the fluorescent dihydroisoquinoline derivative of dopamine. Partanen S. *Histochemistry* 57(2):161-75, 25 Aug 78
- A rapid biosynthetic method for the preparation of radioactive phosphatidyl-CMP(CDP-diacylglycerol) of high specific activity. Eichberg J, et al. *J Lipid Res* 19(6):778-83, Aug 78

Progesterone-induced decrease of pineal protein synthesis in rats. Possible participation in estrous-related changes of pineal function. Cardinali DP, et al. *J Neural Transm* 42(3):193-205, 1978

Biosynthesis of S-adenosyl-L-methionine in the rat pineal gland. Guchhait RB, et al. *J Neurochem* 31(4):921-5, Oct 78

Diurnal variations of renin-like activity in pineal gland, hypophysis and hypothalamus of the rat. Haulică I, et al. *Rev Med Chir Soc Med Nat Iasi* 82(2):283-90, Apr-Jun 78

[Chronobiologic aspect of the mechanism of action of lithium salts in experimental alcoholism] Iavorskii AN, et al. *Biull Eksp Biol Med* 86(8):194-7, Aug 78 (Eng. Abstr.) (Rus)

#### **PATHOLOGY**

Membranous structures in pinealocytes of the infertile diabetic mutant mouse (C 57 BL/Ks-db/db). McNeill ME. *J Neural Transm* 42(3):207-21, 1978

[Demonstration of pineal gland and pituitary involution in mice poisoned with carbon tetrachloride] Legait H, et al. *C R Soc Biol (Paris)* 172(2):289-92, 1978 (Eng. Abstr.) (Fre)

#### **PHYSIOLOGY**

Seasonal effects of pinealectomy on gonadal activity in the goldfish, *Carassius auratus*. De Vlaming V, et al. *Biol Reprod* 19(1):57-63, Aug 78

The influence of activation, removal or denervation of the pineal on the fine structure of the Leydig cell and seminal vesicle epithelium in golden hamsters. Lin HS, et al. *Cell Tissue Res* 191(3):367-78, 16 Aug 78

The search for circadian rhythm pacemakers in the light of lesion experiments. Kawamura H, et al. *Chronobiologia* 5(1):69-88, Jan-Mar 78 (127 ref.)

Experimental studies concerning the mechanism of the thyroid-pineal interrelationship. I. The action of the pineal peptides on the thyroid gland. Constantinescu A, et al. *Endocrinologie* 16(3):191-7, Jul-Sep 78

The role of the pineal gland in the lipid metabolism. Damian E. *Endocrinologie* 16(3):179-89, Jul-Sep 78

Circadian variation of pituitary LH and FSH in the pinealectomized rat. Damian E, et al. *Endocrinologie* 16(3):205-7, Jul-Sep 78

The pineal gland in the biology of mammals [editorial] Nanu L. *Endocrinologie* 16(3):237-8, Jul-Sep 78

Experimental studies concerning the mechanism of the thyroid-pineal interrelationship. II. Action of the pineal peptides on the pituitary TSH reserve and hypothalamic content of TRH in MTU-treated rats. Negoescu I, et al. *Endocrinologie* 16(3):199-204, Jul-Sep 78

Day length and the annual reproductive cycle in the ferret (*Mustela furo*): the role of the pineal body. pp. 87-93. Herbert J, et al.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.

Photoperiodic mechanism in hamsters: the participation of the pineal gland. pp. 94-102. Hoffmann K.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (39 ref.)

Diurnal rhythms and the seasonal reproductive cycle in birds. pp. 144-52. Turek F.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.

Circadian rhythm of rat hepatic cytochrome P-450 reductase. Miller MA, et al. *Life Sci* 23(3):217-22, 17 Jul 78

Anti-LH and FSH activity of melatonin-free pineal extract. Damian E, et al. *Neuroendocrinology* 26(6):325-32, 1978

Catecholamine influence on ketamine response in the chick. Giedt WR Jr, et al. *Neuropharmacology* 17(7):477-81, Jul 78

Entrainment of the female hamster to reversed photoperiod: role of the pineal. Finkelstein JS, et al. *Physiol Behav* 21(1):105-11, Jul 78

The effect of pineal indolamines on the response to ketamine in the pinealectomized chick. Lakin ML, et al.

*Proc West Pharmacol Soc* 21:41-5, 1978

Hamster refractoriness: the role of insensitivity of pineal target tissues. Bittman EL. *Science* 202(4368):648-50, 10 Nov 78

Rod outer segments elongate in constant light: darkness is required for normal shedding. Currie JR, et al.

*Vision Res* 18(8):995-1003, 1978

#### **PHYSIOPATHOLOGY**

[Chronobiologic aspect of the mechanism of action of lithium

salts in experimental alcoholism] Iavorskii AN, et al. *Biull Eksp Biol Med* 86(8):194-7, Aug 78 (Eng. Abstr.) (Rus)

#### **RADIOGRAPHY**

Ruptured teratoid tumor in the pineal region. McCormack TJ, et al. *J Comput Assit Tomogr* 2(4):499-501, Sep 78

#### **SECRETION**

The ultrastructure of pinealocytes in the golden mole (*Amblysomus hottentotus*) with special reference to the granular vesicles. Pevet P, et al. *Cell Tissue Res* 191(1):39-56, 13 Jul 78 (60 ref.)

Role of pineal gland in aetiology and treatment of breast cancer. Cohen M, et al. *Lancet* 2(8094):814-6, 14 Oct 78

#### **SURGERY**

The role of the pineal gland in the lipid metabolism. Damian E. *Endocrinologie* 16(3):179-89, Jul-Sep 78

Reading of ideograms and phonograms in Japanese patients after partial commissurotomy. Sugishita M, et al. *Neuropsychologia* 16(4):417-26, 1978

#### **ULTRASTRUCTURE**

The ultrastructure of pinealocytes in the golden mole (*Amblysomus hottentotus*) with special reference to the granular vesicles. Pevet P, et al. *Cell Tissue Res* 191(1):39-56, 13 Jul 78 (60 ref.)

Histochemical localization of cholinesterases in the neural tissue of the pineal in the rhesus monkey. David GF, et al. *Experientia* 34(8):1067-8, 15 Aug 78

Membranous structures in pinealocytes of the infertile diabetic mutant mouse (C 57 BL/Ks-db/db). McNeill ME.

*J Neural Transm* 42(3):207-21, 1978

The pineal of the troglomorphic fish, *Chologaster agassizi*: an ultrastructural study. McNulty JA. *J Neural Transm* 43(1):47-71, 1978

Electron microscopic observations on neuron-like cells in the ground squirrel pineal gland. Matsushima S, et al.

*J Neural Transm* 42(3):223-37, 1978



# NEUROENDOCRINOLOGY

## II. *Disorders of the Amygdaloid Body*

### PINEALOMA

#### BLOOD

Melatonin as a tumour marker in a patient with pineal tumour  
[letter] *Br Med J* 2(6137):635-6, 26 Aug 78

#### DIAGNOSIS

Melatonin as a tumour marker in a patient with pineal tumour.  
Barber SG, et al. *Br Med J* 2(6133):328, 29 Jul 78

#### RADIOGRAPHY

[Usefulness of ventriculography by injecting a current  
water-soluble contrast media through the CSF shunt  
reservoir: trans-reservoir ventriculography (author's  
transl)] Suzuki S, et al. *Neurol Med Chir (Tokyo)* 18(5 Pt  
2):409-13, Jul 78 (Eng. Abstr.) (Jpn)

# NEUROENDOCRINOLOGY

## III. Neuroendocrine System Hormones, Precursors, Metabolites and Synthetic Analogs

### CORTICOTROPIN RELEASING HORMONE

Vasopressin and corticotropin-releasing factor: an axonal pathway to portal capillaries in the zona externa of the median eminence containing vasopressin and its interaction with adrenal corticoids. Zimmerman EA, et al. *Ann NY Acad Sci* 297:405-19, 28 Oct 77

#### ANALYSIS

Immunohistochemical localization of hypothalamic hormones (especially LRF) at the light microscopy level. Barry J. *Curr Top Mol Endocrinol* 3:451-73, 1976 (118 ref.)  
Fluctuated changes in the rat hypothalamic content of corticotropin releasing factor around the peak of the circadian rhythm. Sakakura M, et al. *Tohoku J Exp Med* 125(3):281-5, Jul 78

#### BIOSYNTHESIS

Neurotransmitter regulation of corticotropin-releasing factor in vitro. Jones MT, et al. *Ann NY Acad Sci* 297:536-60, 28 Oct 77

#### BLOOD

[Tissue corticotropin releasing factor. (1). Demonstration of its presence] Itakura M, et al. *Horumon To Rinsho* 26(1):93-5, Jan 78 (Jpn)

#### ISOLATION & PURIFICATION

Applications of adenohipophyseal cell cultures to neuroendocrine studies. Vale W, et al. *Curr Top Mol Endocrinol* 3:397-429, 1976 (72 ref.)

#### METABOLISM

Changes in rat hypothalamic content of corticotropin-releasing factor (CRF) activity, plasma ACTH and corticosterone under stress and the effect of cycloheximide. Fujieda K, et al. *Acta Endocrinol (Copenh)* 89(1):10-9, Sep 78  
Assays and dynamics of corticotropin-releasing factor activity in rat hypothalamus. Hiroshige T, et al. *Ann NY Acad Sci* 297:436-54, 28 Oct 77  
Some aspects of corticosteroid feedback actions. Smelik PG. *Ann NY Acad Sci* 297:580-90, 28 Oct 77

#### PHARMACODYNAMICS

Extra-CNS corticotropin-releasing factors. Brodish A. *Ann NY Acad Sci* 297:420-35, 28 Oct 77  
Bioassay of ACTH using isolated cortex cells. Applications: structure activity relationship for ACTH and analogues, assay of corticotropin-releasing factor, and assay of plasma ACTH. Sayers G. *Ann NY Acad Sci* 297:220-41, 28 Oct 77

#### PHYSIOLOGY

Extra-CNS corticotropin-releasing factors. Brodish A. *Ann NY Acad Sci* 297:420-35, 28 Oct 77  
Cushing's syndrome. Liddle GW. *Ann NY Acad Sci* 297:594-602, 28 Oct 77  
[Regulation of the adenohipophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. III. Corticotropin releasing hormone, prolactin releasing hormone, prolactostatin, melanotropin releasing hormone, melanostatin] Blech W. *Endokrinologie* 71(3):325-36, Mar 78 (86 ref.) (Ger)

#### SECRETION

Neurotransmitter regulation of corticotropin-releasing factor in vitro. Jones MT, et al. *Ann NY Acad Sci* 297:536-60, 28 Oct 77

### ENDORPHINS

A betaLPH precursor model: recent developments concerning morphine-like substances. Chrétien M, et al. *Ann NY Acad Sci* 297:84-107, 28 Oct 77  
Structure-function relationships in lipotropins. Gráf L, et al. *Ann NY Acad Sci* 297:63-83, 28 Oct 77  
Fluorescent enkephalin derivatives with biological activity. Fournie-Zaluski MC, et al. *Biochem Biophys Res Commun* 83(1):300-5, 14 Jul 78  
Amino-terminal extension analogs of methionine-enkephalin. Ling N, et al. *Biochem Biophys Res Commun* 83(2):565-70, 28 Jul 78  
A carbon-13 nuclear magnetic resonance study of the molecular dynamics of methionine-enkephalin and alpha-enkephalin in aqueous solution. Tancrède P, et al. *Biochemistry* 17(14):2905-14, 11 Jul 78  
Averaging of phi2 and phi3 in [5-leucyl]-enkephalin: NMR study of two isotopic isomers. Fischman AJ, et al. *FEBS Lett* 94(2):236-40, 15 Oct 78  
[Analgesia by endorphin neurostimulation (letter)] Sandu L. *Ann Anesthesiol Fr* 19(6):579-80, 1978 (Fre)  
[Endorphins] Gumulka W, et al. *Pol Tyg Lek* 33(24):969-71, 12 Jun 78 (25 ref.) (Pol)  
[Receptor pharmacology (5): Opiate receptors and endorphins] Hökfelt T, et al. *Lakartidningen* 75(44):4033-8, 1 Nov 78 (Eng. Abstr.) (Swe)

#### ADMINISTRATION & DOSAGE

betah-endorphin: antidiuretic effects in rats. Tseng LF, et al. *Int J Pept Protein Res* 12(3):173-6, Sep 78

#### ANALYSIS

Radioimmunoassay for gamma-endorphin. Jegou S, et al. *Biochem Biophys Res Commun* 83(1):201-8, 14 Jul 78  
Leu-enkephalin-like material in nerves and enterochromaffin cells in the gut. An immunohistochemical study. Alumets J, et al. *Histochemistry* 56(3-4):187-96, 12 Jul 78  
Ultramicro analysis of peptides. Stein S, et al. *Psychopharmacol Bull* 14(4):29-30, Oct 78  
[Heterogeneity of beta-endorphin in the rat pituitary gland and its incubation medium] Ogawa N. *Horumon To Rinsho* 26(6):611-3, Jun 78 (Jpn)

#### ANTAGONISTS & INHIBITORS

Failure of (+)-naloxone to antagonise responses to opioid peptides. Gayton RJ, et al. *Neuropharmacology* 17(7):549-51, Jul 78

#### BIOSYNTHESIS

A betaLPH precursor model: recent developments concerning morphine-like substances. Chrétien M, et al. *Ann NY Acad Sci* 297:84-107, 28 Oct 77  
Steps involved in the processing of common precursor forms of adrenocorticotropin and endorphin in cultures of mouse pituitary cells. Roberts JL, et al. *Biochemistry* 17(17):3609-18, 22 Aug 78  
[Biosynthesis and multiplicity of immunologic activities of beta-endorphin] Yoshimi H, et al. *Horumon To Rinsho* 26(8):781-5, Aug 78 (Jpn)

#### BLOOD

Dialysis of schizophrenics. Weird and novel applications of dialysis, hemofiltration, hemoperfusion and peritoneal dialysis: witchcraft? Kolff WJ. *Artif Organs* 2(3):277-83, Aug 78  
Effects of endorphin and enkephalin analogs on fear habituation in goldfish. Olson RD, et al. *Pharmacol Biochem Behav* 9(1):111-4, Jul 78  
beta-Endorphin is not detectable in plasma from normal human subjects. Suda T, et al. *Science* 202(4364):221-3, 13 Oct 78



## CEREBROSPINAL FLUID

- Endorphins in chronic pain. I. Differences in CSF endorphin levels between organic and psychogenic pain syndromes. Almay BG, et al. *Pain* 5(2):153-62, Aug 78
- [Endorphins] Gumulka W, et al. *Pol Tyg Lek* 33(24):969-71, 12 Jun 78 (25 ref.) (Pol)
- [Current research on the endorphins in psychoses] Gunne LM, et al. *Lakartidningen* 75(34):2865-7, 23 Aug 78 (Eng. Abstr.) (Swe)

## CHEMICAL SYNTHESIS

- Increased analgesic activities of a fluorinated and a dimeric analogue of [D-Ala-2]-methionine enkephalinamide. Coy DH, et al. *Biochem Biophys Res Commun* 83(3):977-83, 14 Aug 78
- Amino-terminal extension analogs of methionine-enkephalin. Ling N, et al. *Biochem Biophys Res Commun* 83(2):565-70, 28 Jul 78
- Synthesis of the untriacontapeptide corresponding to the entire amino acid sequence of human beta-endorphin. Kubota M, et al. *Chem Pharm Bull (Tokyo)* 26(7):2139-46, Jul 78

## DEFICIENCY

- [The significance of endorphins and gamma-aminobutyric acid in clinical psychopharmacology (author's transl)] Vinaf O. *Cesk Psychiatr* 74(2):98-107, Apr 78 (36 ref.) (Eng. Abstr.) (Cze)

## HISTORY

- Peptides in the brain: the new endocrinology of the neuron. Guillemin R. *Science* 202(4366):390-402, 27 Oct 78 (119 ref.)

## IMMUNOLOGY

- Release of beta-endorphin from rat pituitary in vitro. Przewlocki R, et al. *Eur J Pharmacol* 51(2):179-83, 15 Sep 78
- [Biosynthesis and multiplicity of immunologic activities of beta-endorphin] Yoshimi H, et al. *Horumon To Rinsho* 26(8):781-5, Aug 78 (Jpn)

## ISOLATION &amp; PURIFICATION

- A betaLPH precursor model: recent developments concerning morphine-like substances. Chrétien M, et al. *Ann NY Acad Sci* 297:84-107, 28 Oct 77
- The endorphins, novel peptides of brain and hypophyseal origin, with opiate-like activity: biochemical and biologic studies. Guillemin R, et al. *Ann NY Acad Sci* 297:131-57, 28 Oct 77
- Isolation, structure, synthesis and morphine-like activity of beta-endorphin from human pituitary glands. Li CH, et al. *Ann NY Acad Sci* 297:158-66, 28 Oct 77
- Peptides in the brain: the new endocrinology of the neuron. Guillemin R. *Science* 202(4366):390-402, 27 Oct 78 (119 ref.)
- [Peptides which control pain (author's transl)] Shiomi H, et al. *Tanpakushitsu Kakusan Koso* 23(8):856-64, Jul 78 (99 ref.) (Jpn)

## METABOLISM

- VIP-, enkephalin-, substance P- and somatostatin-like immunoreactivity in neurons intrinsic to the intestine: immunohistochemical evidence from organotypic tissue cultures. Schultzberg M, et al. *Brain Res* 155(2):239-48, 27 Oct 78
- Release of beta-endorphin from rat pituitary in vitro. Przewlocki R, et al. *Eur J Pharmacol* 51(2):179-83, 15 Sep 78
- Immunohistochemical localization of enkephalin in rat brain and spinal cord. Sar M, et al. *J Comp Neurol* 182(1):17-37, 1 Nov 78
- Evidence for two separate opiate peptide neuronal systems. Watson SJ, et al. *Nature* 275(5677):226-8, 21 Sep 78
- Influence of neuroleptics on the binding of met-enkephalin, morphine and dihydromorphine to synaptosome-enriched fractions of rat brain. Somoza E. *Neuropharmacology* 17(8):577-81, Aug 78
- High molecular weight opioid-containing proteins in striatum. Lewis RV, et al. *Proc Natl Acad Sci USA* 75(8):4021-3, Aug 78
- 3H-Leu5-enkephalin specific binding to synaptic membrane-comparison with 3H-dihydromorphine and 3H-naloxone. Law PY, et al. *Res Commun Chem Pathol Pharmacol* 21(3):409-34, Sep 78

- [The significance of endorphins and gamma-aminobutyric acid in clinical psychopharmacology (author's transl)] Vinaf O. *Cesk Psychiatr* 74(2):98-107, Apr 78 (36 ref.) (Eng. Abstr.) (Cze)

- [Dependent behavior. Pharmacologic aspects of drugs] Kutsch Lojenga JC. *Ned Tijdschr Geneesk* 122(40):1509-11, 7 Oct 78 (Dut)
- [In vivo distribution of beta-endorphin] Matsukura S, et al. *Horumon To Rinsho* 26(8):761-70, Aug 78 (Jpn)
- [Peptides which control pain (author's transl)] Shiomi H, et al. *Tanpakushitsu Kakusan Koso* 23(8):856-64, Jul 78 (99 ref.) (Jpn)
- [Receptor pharmacology (5): Opiate receptors and endorphins] Hökfelt T, et al. *Lakartidningen* 75(44):4033-8, 1 Nov 78 (Eng. Abstr.) (Swe)

## PHARMACODYNAMICS

- Increase in serum prolactin by exogenous and endogenous opiates: evidence for antidopamine and antipsychotic effects. Gold MS, et al. *Am J Psychiatry* 135(11):1415-6, Nov 78
- A betaLPH precursor model: recent developments concerning morphine-like substances. Chrétien M, et al. *Ann NY Acad Sci* 297:84-107, 28 Oct 77
- The endorphins, novel peptides of brain and hypophyseal origin, with opiate-like activity: biochemical and biologic studies. Guillemin R, et al. *Ann NY Acad Sci* 297:131-57, 28 Oct 77
- Isolation, structure, synthesis and morphine-like activity of beta-endorphin from human pituitary glands. Li CH, et al. *Ann NY Acad Sci* 297:158-66, 28 Oct 77
- Biologic activities of beta-endorphin and its related peptides. Loh HH, et al. *Ann NY Acad Sci* 297:115-30, 28 Oct 77
- Fluorescent enkephalin derivatives with biological activity. Fournie-Zaluski MC, et al. *Biochem Biophys Res Commun* 83(1):300-5, 14 Jul 78
- Amino-terminal extension analogs of methionine-enkephalin. Ling N, et al. *Biochem Biophys Res Commun* 83(2):565-70, 28 Jul 78
- Multiple membrane actions of enkephalin revealed using cultured spinal neurons. Barker JL, et al. *Brain Res* 154(1):153-8, 6 Oct 78
- Selective depression by opioid peptides of sensory-evoked dorsal-horn network responses in organized spinal cord cultures. Crain SM, et al. *Brain Res* 157(1):196-201, 17 Nov 78
- Effects of opiates and methionine-enkephalin on pontine and bulbar respiratory neurones of the cat. Denavit-Saubié M, et al. *Brain Res* 155(1):55-67, 20 Oct 78
- Local cerebral glucose utilization following injection of beta-endorphin into periaqueductal gray matter in the rat. Sakurada O, et al. *Brain Res* 153(2):403-7, 22 Sep 78
- Effect of opioid peptides on L-noradrenaline-stimulated cyclic AMP formation in homogenates of rat cerebral cortex and hypothalamus. Tsang D, et al. *Brain Res* 152(3):521-7, 8 Sep 78
- Synthesis of the untriacontapeptide corresponding to the entire amino acid sequence of human beta-endorphin. Kubota M, et al. *Chem Pharm Bull (Tokyo)* 26(7):2139-46, Jul 78
- Morphine and met-enkephalin effects on sural Adelta afferent terminal excitability. Sastry BR. *Eur J Pharmacol* 50(3):269-73, 1 Aug 78
- betah-endorphin: antidiuretic effects in rats. Tseng LF, et al. *Int J Pept Protein Res* 12(3):173-6, Sep 78
- Electroencephalographic and behavioral effects of D-alal2-methionine-enkephalinamide and morphine in the rat. Tortella FC, et al. *J Pharmacol Exp Ther* 206(3):636-43, Sep 78
- Central cardiovascular effects of enkephalins and C-fragment of lipotropin [proceedings] Feldberg W, et al. *J Physiol (Lond)* 280:18P, Jul 78
- Non-specific actions of opioids in the rat hippocampus [proceedings] Fry JP, et al. *J Physiol (Lond)* 280:15P, Jul 78
- Decrease of cyclic GMP in cerebellum by intrastriatal D-Ala2-met-enkephalinamide. Biggio G, et al. *Life Sci* 23(4):335-9, 24 Jul 78
- Electrophysiological effects of enkephalin analogs in rat cortex. Palmer MR, et al. *Life Sci* 23(8):851-60, 28 Aug 78
- Inhibition of copulatory behavior in male rats by D-Ala2-Met-enkephalinamide. Quarantotti BP, et al. *Life Sci* 23(7):673-8, 21 Aug 78
- beta-Endorphin-induced increase in striatal dopamine turnover. van Loon GR, et al. *Life Sci* 23(9):961-70, 4 Sep 78
- Effects of beta-endorphin on brain serotonin metabolism. van Loon GR, et al. *Life Sci* 23(9):971-8, 4 Sep 78
- Brief communication. Generalization of

- [DAla2]-enkephalinamide but not of substance P to the morphine cue. Chipkin RE, et al. *Pharmacol Biochem Behav* 9(1):129-32, Jul 78
- Effects of endorphin and enkephalin analogs on fear habituation in goldfish. Olson RD, et al. *Pharmacol Biochem Behav* 9(1):111-4, Jul 78
- Effects of met5-enkephalin and naloxone on spontaneous seizures in the Mongolian gerbil. Bajorek JG, et al. *Proc West Pharmacol Soc* 21:365-70, 1978
- Single dose tolerance and cross tolerance studies with the endorphins in isolated guinea pig ileum. Huidobro-Toro JP, et al. *Proc West Pharmacol Soc* 21:381-6, 1978
- Characterization of leucine and methionine enkephalin and their interaction with morphine on the guinea pig ileal longitudinal muscle. Vaught JL, et al. *Res Commun Chem Pathol Pharmacol* 21(3):391-407, Sep 78
- Peptides in the brain: the new endocrinology of the neuron. Guillemin R. *Science* 202(4366):390-402, 27 Oct 78 (119 ref.)
- [Biological studies with enkephalins and endorphins and their analogs] Coy DH, et al. *Ann Anesthesiol Fr* 19(5):373-8, 1978 (Eng. Abstr.) (Fre)
- [Electrophysiological effects of opiates and endogenous peptides on central neurons] Davies J. *Ann Anesthesiol Fr* 19(5):399-405, 1978 (Eng. Abstr.) (Fre)
- [Role of peptides in central neural transmission: substance P, bradykinin and beta-endorphin] Henry JL. *Ann Anesthesiol Fr* 19(5):391-8, 1978 (Eng. Abstr.) (Fre)
- [Opiate receptors and endorphins at the central nervous system level] Simon EJ. *Ann Anesthesiol Fr* 19(5):379-87, 1978 (Eng. Abstr.) (Fre)
- [Enkephalins] Gumulka W, et al. *Pol Tyg Lek* 33(23):931-3, 5 Jun 78 (39 ref.) (Pol)
- [Endorphins] Gumulka W, et al. *Pol Tyg Lek* 33(24):969-71, 12 Jun 78 (25 ref.) (Pol)

#### PHYSIOLOGY

- Peptidergic influences: tip of the iceberg? [letter] Kiely WF. *Am J Psychiatry* 135(11):1435-6, Nov 78
- Opioid peptides, brain and behaviour: a brief review. Rodgers RJ. *Ir J Med Sci* 147 Suppl 1:57-62, Aug 78
- Enkephalins: the search for a functional role [editorial] *Lancet* 2(8094):819-20, 14 Oct 78
- The mechanism of placebo analgesia. Levine JD, et al. *Lancet* 2(8091):654-7, 23 Sep 78
- [Neurostimulation--endorphins. Personal opinion in the guise of an introduction] Campan L Sr. *Ann Anesthesiol Fr* 19(5):299-300, 1978 (Eng. Abstr.) (Fre)
- [Characteristics of acupuncture analgesia, review of the articles on stimulation produced analgesia and morphine like substance (author's transl)] Watanabe Y, et al. *Masui* 27(7):667-75, Jul 78 (51 ref.) (Eng. Abstr.) (Jpn)
- [Neuro-peptide (author's transl)] Kakimoto Y, et al. *No To Shinkei* 30(6):591-604, Jun 78 (61 ref.) (Jpn)
- [Endorphins] Gumulka W, et al. *Pol Tyg Lek* 33(24):969-71, 12 Jun 78 (25 ref.) (Pol)

#### SECRETION

- A pressor response to naloxone. Evidence for release of endogenous opioid peptides [proceedings] Dashwood MR, et al. *J Physiol (Lond)* 281:30P-31P, Aug 78

#### ENKEPHALINS

- Pain. Reducing the lowest common human denominator. Dolan M. *Am Pharm* 18(12):8-12, Nov 78
- Fluorescent enkephalin derivatives with biological activity. Fournie-Zaluski MC, et al. *Biochem Biophys Res Commun* 83(1):300-5, 14 Jul 78
- Amino-terminal extension analogs of methionine-enkephalin. Ling N, et al. *Biochem Biophys Res Commun* 83(2):565-70, 28 Jul 78
- A carbon-13 nuclear magnetic resonance study of the molecular dynamics of methionine-enkephalin and alpha-endorphin in aqueous solution. Tancredi P, et al. *Biochemistry* 17(14):2905-14, 11 Jul 78
- Averaging of phi2 and phi3 in [5-leucyl]-enkephalin: NMR study of two isotopic isomers. Fischman AJ, et al. *FEBS Lett* 94(2):236-40, 15 Oct 78

#### ADMINISTRATION & DOSAGE

- Decrease of cyclic GMP in cerebellum by intrastriatal D-Ala2-met-enkephalinamide. Biggio G, et al. *Life Sci* 23(4):335-9, 24 Jul 78

#### ANALYSIS

- Leu-enkephalin-like material in nerves and enterochromaffin cells in the gut. An immunohistochemical study. Alumets J, et al. *Histochemistry* 56(3-4):187-96, 12 Jul 78

#### ANTAGONISTS & INHIBITORS

- Decrease of cyclic GMP in cerebellum by intrastriatal D-Ala2-met-enkephalinamide. Biggio G, et al. *Life Sci* 23(4):335-9, 24 Jul 78
- Inhibition of copulatory behavior in male rats by D-Ala2-Met-enkephalinamide. Quarantotti BP, et al. *Life Sci* 23(7):673-8, 21 Aug 78
- Failure of (+)-naloxone to antagonise responses to opioid peptides. Gayton RJ, et al. *Neuropharmacology* 17(7):549-51, Jul 78
- [Enkephalins] Gumulka W, et al. *Pol Tyg Lek* 33(23):931-3, 5 Jun 78 (39 ref.) (Pol)

#### BIOSYNTHESIS

- [Biosynthesis and multiplicity of immunologic activities of beta-endorphin] Yoshimi H, et al. *Horumon To Rinsho* 26(8):781-5, Aug 78 (Jpn)

#### BLOOD

- Effects of endorphin and enkephalin analogs on fear habituation in goldfish. Olson RD, et al. *Pharmacol Biochem Behav* 9(1):111-4, Jul 78

#### CHEMICAL SYNTHESIS

- Increased analgesic activities of a fluorinated and a dimeric analogue of [D-Ala-2]-methionine enkephalinamide. Coy DH, et al. *Biochem Biophys Res Commun* 83(3):977-83, 14 Aug 78
- Amino-terminal extension analogs of methionine-enkephalin. Ling N, et al. *Biochem Biophys Res Commun* 83(2):565-70, 28 Jul 78

#### ISOLATION & PURIFICATION

- [Peptides which control pain (author's transl)] Shiomi H, et al. *Tanpakushitsu Kakusan Koso* 23(8):856-64, Jul 78 (99 ref.) (Jpn)

#### METABOLISM

- VIP-, enkephalin-, substance P- and somatostatin-like immunoreactivity in neurons intrinsic to the intestine: immunohistochemical evidence from organotypic tissue cultures. Schultzberg M, et al. *Brain Res* 155(2):239-48, 27 Oct 78
- Immunohistochemical localization of enkephalin in rat brain and spinal cord. Sar M, et al. *J Comp Neurol* 182(1):17-37, 1 Nov 78
- Evidence for two separate opiate peptide neuronal systems. Watson SJ, et al. *Nature* 275(5677):226-8, 21 Sep 78
- Influence of neuroleptics on the binding of met-enkephalin, morphine and dihydromorphine to synaptosome-enriched fractions of rat brain. Somoza E. *Neuropharmacology* 17(8):577-81, Aug 78
- 3H-Leu5-enkephalin specific binding to synaptic membrane-comparison with 3H-dihydromorphine and 3H-naloxone. Law PY, et al. *Res Commun Chem Pathol Pharmacol* 21(3):409-34, Sep 78
- [In vivo distribution of beta-endorphin] Matsukura S, et al. *Horumon To Rinsho* 26(8):761-70, Aug 78 (Jpn)
- [Peptides which control pain (author's transl)] Shiomi H, et al. *Tanpakushitsu Kakusan Koso* 23(8):856-64, Jul 78 (99 ref.) (Jpn)

#### PHARMACODYNAMICS

- Increase in serum prolactin by exogenous and endogenous opiates: evidence for antidopamine and antipsychotic effects. Gold MS, et al. *Am J Psychiatry* 135(11):1415-6, Nov 78
- Increased analgesic activities of a fluorinated and a dimeric analogue of [D-Ala-2]-methionine enkephalinamide. Coy DH, et al. *Biochem Biophys Res Commun* 83(3):977-83, 14 Aug 78
- Fluorescent enkephalin derivatives with biological activity. Fournie-Zaluski MC, et al. *Biochem Biophys Res Commun* 83(1):300-5, 14 Jul 78
- Amino-terminal extension analogs of methionine-enkephalin. Ling N, et al. *Biochem Biophys Res Commun* 83(2):565-70, 28 Jul 78
- Multiple membrane actions of enkephalin revealed using



- cultured spinal neurons. Barker JL, et al. *Brain Res* 154(1):153-8, 6 Oct 78
- Selective depression by opioid peptides of sensory-evoked dorsal-horn network responses in organized spinal cord cultures. Crain SM, et al. *Brain Res* 157(1):196-201, 17 Nov 78
- Effects of opiates and methionine-enkephalin on pontine and bulbar respiratory neurones of the cat. Denavit-Saubié M, et al. *Brain Res* 155(1):55-67, 20 Oct 78
- Effect of opioid peptides on L-noradrenaline-stimulated cyclic AMP formation in homogenates of rat cerebral cortex and hypothalamus. Tsang D, et al. *Brain Res* 152(3):521-7, 8 Sep 78
- Morphine and met-enkephalin effects on sural Adelta afferent terminal excitability. Sastry BR. *Eur J Pharmacol* 50(3):269-73, 1 Aug 78
- Pharmacology of mammalian central inhibition. Duggan AW. *Int Rev Physiol* 17:119-48, 1978 (292 ref.)
- Electroencephalographic and behavioral effects of D-alal2-methionine-enkephalinamide and morphine in the rat. Tortella FC, et al. *J Pharmacol Exp Ther* 206(3):636-43, Sep 78
- Central cardiovascular effects of enkephalins and C-fragment of lipotropin [proceedings] Feldberg W, et al. *J Physiol (Lond)* 280:18P, Jul 78
- Non-specific actions of opioids in the rat hippocampus [proceedings] Fry JP, et al. *J Physiol (Lond)* 280:15P, Jul 78
- Decrease of cyclic GMP in cerebellum by intrastriatal D-Ala2-met-enkephalinamide. Biggio G, et al. *Life Sci* 23(4):335-9, 24 Jul 78
- Electrophysiological effects of enkephalin analogs in rat cortex. Palmer MR, et al. *Life Sci* 23(8):851-60, 28 Aug 78
- Inhibition of copulatory behavior in male rats by D-Ala2-Met-enkephalinamide. Quarantotti BP, et al. *Life Sci* 23(7):673-8, 21 Aug 78
- Brief communication. Generalization of [DAla2]-enkephalinamide but not of substance P to the morphine cue. Chipkin RE, et al. *Pharmacol Biochem Behav* 9(1):129-32, Jul 78
- Effects of endorphin and enkephalin analogs on fear habituation in goldfish. Olson RD, et al. *Pharmacol Biochem Behav* 9(1):111-4, Jul 78
- Effects of met5-enkephalin and naloxone on spontaneous seizures in the Mongolian gerbil. Bajorek JG, et al. *Proc West Pharmacol Soc* 21:365-70, 1978
- Neuropharmacological studies of prolactin secretion. Meltzer HY, et al. *Psychopharmacol Bull* 14(4):26-9, Oct 78
- Characterization of leucine and methionine enkephalin and their interaction with morphine on the guinea pig ileal longitudinal muscle. Vaught JL, et al. *Res Commun Chem Pathol Pharmacol* 21(3):391-407, Sep 78
- [Morphine analgesia: neurobiologic data] Besson JM, et al. *Ann Anesthesiol Fr* 19(5):343-69, 1978 (289 ref.) (Fre)
- [Biological studies with enkephalins and endorphins and their analogs] Coy DH, et al. *Ann Anesthesiol Fr* 19(5):373-8, 1978 (Eng. Abstr.) (Fre)
- [Electrophysiological effects of opiates and endogenous peptides on central neurons] Davies J. *Ann Anesthesiol Fr* 19(5):399-405, 1978 (Eng. Abstr.) (Fre)
- [Opiate receptors and endorphins at the central nervous system level] Simon EJ. *Ann Anesthesiol Fr* 19(5):379-87, 1978 (Eng. Abstr.) (Fre)
- [Enkephalins] Gumulka W, et al. *Pol Tyg Lek* 33(23):931-3, 5 Jun 78 (39 ref.) (Pol)

## PHYSIOLOGY

- Peptidergic influences: tip of the iceberg? [letter] Kiely WF. *Am J Psychiatry* 135(11):1435-6, Nov 78
- Environmental theory of drug addiction. DeFeudis FV. *Gen Pharmacol* 9(5):303-6, 1978 (71 ref.)
- Opioid peptides, brain and behaviour: a brief review. Rodgers RJ. *Ir J Med Sci* 147 Suppl 1:57-62, Aug 78
- Enkephalins: the search for a functional role [editorial] *Lancet* 2(8094):819-20, 14 Oct 78
- [Neurostimulation--endorphins. Personal opinion in the guise of an introduction] Campan L Sr. *Ann Anesthesiol Fr* 19(5):299-300, 1978 (Eng. Abstr.) (Fre)
- [Characteristics of acupuncture analgesia, review of the articles on stimulation produced analgesia and morphine like substance (author's transl)] Watanabe Y, et al. *Masui* 27(7):667-75, Jul 78 (51 ref.) (Eng. Abstr.) (Jpn)
- [Neuro-peptide (author's transl)] Kakimoto Y, et al. *No To Shinkei* 30(6):591-604, Jun 78 (61 ref.) (Jpn)
- [Enkephalins] Gumulka W, et al. *Pol Tyg Lek* 33(23):931-3,

5 Jun 78 (39 ref.)

(Pol)

## HYPOTHALAMIC HORMONES

- [The neurohormones] Milcu SM. *Endocrinologie* 16(3):235-6, Jul-Sep 78 (Fre)

## HISTORY

- Peptides in the brain: the new endocrinology of the neuron. Guillemin R. *Science* 202(4366):390-402, 27 Oct 78 (119 ref.)

## PHARMACODYNAMICS

- Extra-CNS corticotropin-releasing factors. Brodish A. *Ann NY Acad Sci* 297:420-35, 28 Oct 77
- Peptides in the brain: the new endocrinology of the neuron. Guillemin R. *Science* 202(4366):390-402, 27 Oct 78 (119 ref.)
- [Effect of synthetic LH-RH and hypothalamic extracts on RNA synthesis by rat pituitaries in vitro (author's transl)] Diaz-Chico BN, et al. *Rev Esp Fisiol* 34(2):127-30, Jun 78 (Eng. Abstr.) (Spa)

## PHYSIOLOGY

- Control of anterior pituitary function. Locke W. *Arch Intern Med* 138(10):1541-5, Oct 78
- The hypothalamo-hypophyseal system: model for central peptidergic and monoaminergic transmission. Fink G, et al. *Int Rev Physiol* 17:1-48, 1978 (288 ref.)
- Aspects of hypothalamic regulation of the pituitary gland. Schally AV. *Science* 202(4363):18-28, 6 Oct 78 (136 ref.)
- [New acquisitions on the hormonal regulation of the menstrual cycle] Kyank H, et al. *Z Aerzt Fortbild (Jena)* 72(15):710-9, 1 Aug 78 (Ger)
- [Advances in neuroendocrinology] Valverde R C. *Neurol Neurocir Psiquiatr* 16(1):25-48, 1975 (Eng. Abstr.) (Spa)

## SECRETION

- [Neuroendocrine conditioning of cervix neoplasms] Klimek R. *Ginek Pol* 49(5):369-75, May 78 (Eng. Abstr.) (Pol)
- [Advances in neuroendocrinology] Valverde R C. *Neurol Neurocir Psiquiatr* 16(1):25-48, 1975 (Eng. Abstr.) (Spa)

## LH-FSH RELEASING HORMONE

- Specific activity of LHRH and TRH degrading enzymes in various tissues of normal and castrated male rats. Loudes C, et al. *Biochem Biophys Res Commun* 83(3):921-6, 14 Aug 78
- Diagnostic and therapeutic use of LH-RH in the infertile man. Schwarzstein L. *Curr Top Mol Endocrinol* 3:73-91, 1976
- Adrenal luteinizing hormone releasing hormone receptors. Bernardo LA, et al. *J Histochem Cytochem* 26(8):613-7, Aug 78
- Receptors for luteinizing hormone-releasing hormone. Sternberger LA. *J Histochem Cytochem* 26(7):542-4, Jul 78

## ADMINISTRATION &amp; DOSAGE

- The effect of LH-RH infusion on serum LH, FSH and testosterone in boys with advanced puberty, delayed puberty and hypogonadotrophic hypogonadism. de Lange WE, et al. *Acta Endocrinol (Copenh)* 89(2):209-16, Oct 78
- Disappearance of LHRH and D-Leu-des Gly NH2 LHRH ethylamide in ewes. Dias JA, et al. *J Anim Sci* 46(6):1707-11, Jun 78
- Hypophysial responses to continuous and intermittent delivery of hypophyseal gonadotropin-releasing hormone. Belchetz PE, et al. *Science* 202(4368):631-3, 10 Nov 78

## ANALOGS &amp; DERIVATIVES

- Synthesis and biological activity of alpha-azapeptides: alpha-aza-analogues of luteinizing hormone releasing hormone. Dutta AS, et al. *Clin Endocrinol (Oxf)* 5 Suppl:291S-298S, 1976
- Inhibitory activity of analogues of luteinizing hormone-releasing hormone (LH-RH) in vitro and in vivo. Ferland L, et al. *Clin Endocrinol (Oxf)* 5 Suppl:279S-289S, 1976
- Pharmacology of hypothalamic regulatory peptides. Vale W, et al. *Clin Endocrinol (Oxf)* 5 Suppl:261S-273S, 1976 (41

ref.)

Suppression of gonadotropin release and ovulation in animals by inhibitory analogs of luteinizing hormone-releasing hormone. Coy DH, et al. *Curr Top Mol Endocrinol* 3:339-54, 1976 (22 ref.)

Diagnostic and therapeutic use of LH-RH in the infertile man. Schwarzstein L. *Curr Top Mol Endocrinol* 3:73-91, 1976

Applications of adenohypophyseal cell cultures to neuroendocrine studies. Vale W, et al.

*Curr Top Mol Endocrinol* 3:397-429, 1976 (72 ref.)

Disappearance of LHRH and D-Leu-des Gly NH<sub>2</sub> LHRH ethylamide in ewes. Dias JA, et al. *J Anim Sci* 46(6):1707-11, Jun 78

Adrenal luteinizing hormone releasing hormone receptors. Bernardo LA, et al. *J Histochem Cytochem* 26(8):613-7, Aug 78

[D-pGlu1,D-Phe2,D-Trp3,6]-LRF. A potent luteinizing hormone releasing factor antagonist in vitro and inhibitor of ovulation in the rat. Rivier JE, et al. *Life Sci* 23(8):869-76, 28 Aug 78

#### ANALYSIS

The functional and structural border of the neurohemal region of the median eminence. Krisch B, et al.

*Cell Tissue Res* 192(2):327-39, 5 Sep 78

Immunohistochemical localization of hypothalamic hormones (especially LRF) at the light microscopy level. Barry J. *Curr Top Mol Endocrinol* 3:451-73, 1976 (118 ref.)

Isolation and characterization of hypothalamic peptide hormones. Burgus R, et al. *Curr Top Mol Endocrinol* 3:355-72, 1976 (50 ref.)

Immunohistochemical localization of hypothalamic hormones at the electron microscope level. Pelletier G.

*Curr Top Mol Endocrinol* 3:433-50, 1976 (23 ref.)

Demonstration of a temperature-dependent association of thyrotropin releasing hormone, alpha-melanocyte stimulating hormone, and luteinizing hormone releasing hormone with subneuronal particles in hypothalamic synaptosomes. Barnea A, et al. *J Neurochem* 31(5):1125-34, Nov 78

#### ANTAGONISTS & INHIBITORS

Inhibitory activity of analogues of luteinizing hormone-releasing hormone (LH-RH) in vitro and in vivo. Ferland L, et al. *Clin Endocrinol (Oxf)* 5 Suppl:279S-289S, 1976

Pharmacology of hypothalamic regulatory peptides. Vale W, et al. *Clin Endocrinol (Oxf)* 5 Suppl:261S-273S, 1976 (41 ref.)

In vivo methods for studying the action of hypothalamic hormones with special reference to their antisera as tools for investigation. Arimura A. *Curr Top Mol Endocrinol* 3:387-96, 1976 (25 ref.)

Suppression of gonadotropin release and ovulation in animals by inhibitory analogs of luteinizing hormone-releasing hormone. Coy DH, et al. *Curr Top Mol Endocrinol* 3:339-54, 1976 (22 ref.)

Isolation & characterization of inhibin from human seminal plasma. Thakur AN, et al. *Indian J Exp Biol* 16(7):854-6, Jul 78

[D-pGlu1,D-Phe2,D-Trp3,6]-LRF. A potent luteinizing hormone releasing factor antagonist in vitro and inhibitor of ovulation in the rat. Rivier JE, et al. *Life Sci* 23(8):869-76, 28 Aug 78

Bromocriptine-induced inhibition of plasma dopamine, noradrenaline and adrenaline responses to LH-RF. Van Loon GR. *Nature* 275(5678):331-2, 28 Sep 78

#### BIOSYNTHESIS

[LH-RH content in different parts of the hypothalamus and blood of rats with an altered level of thyroid hormones] Babichev VN, et al. *Probl Endocrinol (Mosk)* 24(5):59-63, Sep-Oct 78 (Eng. Abstr.) (Rus)

#### BLOOD

The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)

Central neural control of endocrine rhythms in the rat. pp. 153-62. Kalra SP, et al.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.

Disappearance of LHRH and D-Leu-des Gly NH<sub>2</sub> LHRH ethylamide in ewes. Dias JA, et al. *J Anim Sci* 46(6):1707-11, Jun 78

#### CHEMICAL SYNTHESIS

Synthesis and biological activity of alpha-azapeptides: alpha-aza-analogues of luteinizing hormone releasing hormone. Dutta AS, et al. *Clin Endocrinol (Oxf)* 5 Suppl:291S-298S, 1976

[D-pGlu1,D-Phe2,D-Trp3,6]-LRF. A potent luteinizing hormone releasing factor antagonist in vitro and inhibitor of ovulation in the rat. Rivier JE, et al. *Life Sci* 23(8):869-76, 28 Aug 78

#### DIAGNOSTIC USE

Limited significance of the LRH test in the diagnosis of ovarian dysfunction. Böhm P, et al.

*Acta Endocrinol (Copenh)* 89(3):438-44, Nov 78

The effect of LH-RH infusion on serum LH, FSH and testosterone in boys with advanced puberty, delayed puberty and hypogonadotropic hypogonadism. de Lange WE, et al. *Acta Endocrinol (Copenh)* 89(2):209-16, Oct 78

Time-dependent decrease of pituitary response to LH-RH after chronic treatment of intact female rats with ethinylloestradiol and norethindrone. Kuhl H, et al.

*Acta Endocrinol (Copenh)* 89(2):240-50, Oct 78

Ovarian follicular apparatus and hormonal parameters in patients with primary and secondary amenorrhea. Nakano R, et al. *Acta Obstet Gynecol Scand* 57(4):293-300, 1978

Gonadotrophin, thyrotrophin and prolactin reserve in beta thalassaemia. Landau H, et al. *Clin Endocrinol (Oxf)* 9(2):163-73, Aug 78

Studies on the diagnostic use of LH-RH. Rochefort JG, et al. *Curr Top Mol Endocrinol* 3:65-72, 1976

Diagnostic and therapeutic use of LH-RH in the infertile man. Schwarzstein L. *Curr Top Mol Endocrinol* 3:73-91, 1976

Clinical methods for the assessment of the sensitivity of the adenopituitary and ovary. Horský J, et al. *Czech Med* 1(3):153-5, 1978

Influence of hormonal contraceptives on the pituitary response to LH/FSH-releasing hormone. Carol W, et al.

*Endokrinologie* 71(3):277-85, Mar 78

Hypothalamo-pituitary-testicular axis in men undergoing chronic intermittent hemodialysis. Kawamura J, et al. *Int J Artif Organs* 1(5):224-30, Sep 78

Hypothalamus-pituitary function in amenorrhea-galactorrhea syndrome. Delitala G, et al. *Panminerva Med* 20(2):89-96, Apr-Jun 78

Effect of prostaglandin F<sub>2</sub>alpha on ovarian and pituitary function in the mid-luteal phase. Kajanoja P, et al.

*Prostaglandins* 16(2):327-32, Aug 78

[Relation between the results of LHRH tests and ovarian biopsies in dystrophic syndromes and Stein-Leventhal syndromes] Bruhat MA, et al.

*J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):738-43, Apr 78 (Fre)

[Criteria of interpretation of the LH-RH test. Preliminary investigation in the study of amenorrhea in the course of diabetes mellitus] Wierdis T, et al. *Minerva Ginecol* 30(9):695-706, Sep 78

[Studies of endocrinological function of testis. Report 5. Follow-up of delayed puberty (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):712-7, Jun 78 (Eng. Abstr.) (Jpn)

[Studies of endocrinological function of testis. Report 2. Delayed puberty (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):686-92, Jun 78 (Eng. Abstr.) (Jpn)

[Studies of endocrinological function of testis. Report 3. Hypogonadism of adult (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):693-9, Jun 78 (Eng. Abstr.) (Jpn)

[Studies of endocrinological function of testis. Report 4. Cryptorchidism after surgical therapy (author's transl)] Okuyama A. *Nippon Hinyokika Gakkai Zasshi* 69(6):700-11, Jun 78 (Eng. Abstr.) (Jpn)

[Reproducibility and interaction of TRH and LHRH on pituitary hormones and its clinical significance (author's transl)] Kaneko K, et al. *Rinsho Byori* 26(6):462-7, Jun 78 (Jpn)

[Deficient function of the hypothalamic centers as a cause of primary amenorrhea] Bogdahova EA, et al.

*Akush Ginekol (Mosk)* (8):24-7, Aug 78 (Eng. Abstr.) (Rus)

[State of the hypothalamo-hypophyseal-ovarian system in women after physiological labor] Miasnikova GP, et al.

*Akush Ginekol (Mosk)* (8):17-20, Aug 78 (Eng. Abstr.) (Rus)

#### ISOLATION & PURIFICATION

Isolation and characterization of hypothalamic peptide



- hormones. Burgus R, et al. *Curr Top Mol Endocrinol* 3:355-72, 1976 (50 ref.)
- Peptides in the brain: the new endocrinology of the neuron. Guillemin R. *Science* 202(4366):390-402, 27 Oct 78 (119 ref.)
- Aspects of hypothalamic regulation of the pituitary gland. Schally AV. *Science* 202(4363):18-28, 6 Oct 78 (136 ref.)

## METABOLISM

- Organum vasculosum laminae terminalis and reflex ovulation in the rabbit. Lescure H, et al. *Brain Res* 154(1):209-13, 6 Oct 78
- Effect of hypophysectomy on the luteinizing hormone-releasing hormone content of the organum vasculosum of the lamina terminalis in female rat. Wenger T, et al. *Brain Res* 157(1):157-60, 17 Nov 78
- Seasonal levels of pituitary and plasma gonadotropin in male and female Atlantic salmon parr. Crim LW, et al. *Can J Zool* 56(7):1550-5, Jul 78
- Immunofluorescence study of the hypothalamo-infundibular LRH tract and serum gonadotropin levels in the female squirrel monkey during the estrous cycle. Barry J, et al. *Cell Tissue Res* 192(2):215-26, 5 Sep 78
- Effect of morphine on the basal and the dopamine-induced release of LHRH from mediobasal hypothalamic fragments in vitro. Rotsztejn WH, et al. *Eur J Pharmacol* 50(3):285-6, 1 Aug 78
- Site of action of oestrogens in controlling the release of LH and FSH in the rhesus monkey. *Res Reprod* 10(4):4, Jul 78
- [LH-RH content in different parts of the hypothalamus and blood of rats with an altered level of thyroid hormones] Babichev VN, et al. *Probl Endokrinol (Mosk)* 24(5):59-63, Sep-Oct 78 (Eng. Abstr.) (Rus)
- [Effect of synthetic LH-RH and hypothalamic extracts on RNA synthesis by rat pituitaries in vitro (author's transl)] Diaz-Chico BN, et al. *Rev Esp Fisiol* 34(2):127-30, Jun 78 (Eng. Abstr.) (Spa)

## PHARMACODYNAMICS

- Sex difference in LH response to LHRH and DBcAMP and effect of testosterone. Tang LK. *Am J Physiol* 235(3):E291-4, Sep 78
- Deranged anterior pituitary responsiveness to hypothalamic hormones in depressed patients. Brambilla F, et al. *Arch Gen Psychiatry* 35(10):1231-8, Oct 78
- Effects of estradiol on serum and pituitary gonadotropin concentrations during selective elevation of follicle stimulating hormone. Chappel SC, et al. *Biol Reprod* 19(1):159-66, Aug 78
- The effects of luteinizing hormone releasing hormone (LHRH) in pregnant rats. 2. Prenatal effects and delayed parturition. Humphrey RR, et al. *Biol Reprod* 19(1):84-91, Aug 78
- Ultrastructure of rat pituitary LH gonadotrophs in relation to serum and pituitary LH levels following repeated LH-RH stimulation. Römmler A, et al. *Cell Tissue Res* 190(1):135-49, 26 Jun 78
- Synthesis and biological activity of alpha-azapeptides: alpha-aza-analogues of luteinizing hormone releasing hormone. Dutta AS, et al. *Clin Endocrinol (Oxf)* 5 Suppl:291S-298S, 1976
- Pharmacology of hypothalamic regulatory peptides. Vale W, et al. *Clin Endocrinol (Oxf)* 5 Suppl:261S-273S, 1976 (41 ref.)
- Effect of LH-RH peptide antagonist on serum LH, ovulation and menstrual cycle of crab-eating macaque. Corbin A, et al. *Contraception* 18(2):105-20, Aug 78
- In vivo methods for studying the action of hypothalamic hormones with special reference to their antisera as tools for investigation. Arimura A. *Curr Top Mol Endocrinol* 3:387-96, 1976 (25 ref.)
- Suppression of gonadotropin release and ovulation in animals by inhibitory analogs of luteinizing hormone-releasing hormone. Coy DH, et al. *Curr Top Mol Endocrinol* 3:339-54, 1976 (22 ref.)
- Role of sex steroids on LH and FSH secretion in the rat. Ferland L, et al. *Curr Top Mol Endocrinol* 3:191-209, 1976 (35 ref.)
- New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al. *Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)
- Relation of the hypothalamo-pituitary-gonadal system to decline of reproductive functions in aging female rats. Meites J, et al. *Curr Top Mol Endocrinol* 3:3-20, 1976 (29 ref.)
- Studies on the diagnostic use of LH-RH. Rochefort JG, et al. *Curr Top Mol Endocrinol* 3:65-72, 1976
- Applications of adenohypophyseal cell cultures to

- neuroendocrine studies. Vale W, et al. *Curr Top Mol Endocrinol* 3:397-429, 1976 (72 ref.)
- Age difference in the response to synthetic luteinizing hormone-releasing hormone (LHRH) in androgenized rats with special reference to the dose of testosterone propionate for androgenization. Fujii T, et al. *Endocrinol Jpn* 25(3):281-7, Jun 78
- Conditions for establishment of reflex ovulation in light estrous rats. Murakami N, et al. *Endocrinol Jpn* 25(3):299-303, Jun 78
- Cytological changes of the pituitary basophils in rats slowly infused with LRH and with LRH and THR in combination. Soji T. *Endocrinol Jpn* 25(3):259-74, Jun 78
- Changes of serum and pituitary TSH, LH and FSH concentrations following the slow infusion of TRH and LRH. Soji T. *Endocrinol Jpn* 25(3):231-6, Jun 78
- Circadian pattern of secretion of hormones by the anterior pituitary gland with particular reference to the involvement of serotonin in their rhythmic regulation. pp. 163-71. Kordon C, et al.
- In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.
- The hypothalamo-hypophysial system: model for central peptidergic and monoaminergic transmission. Fink G, et al. *Int Rev Physiol* 17:1-48, 1978 (288 ref.)
- Bovine ovarian and pituitary responses to PMS and GnRH administered during metestrus. Ford SP, et al. *J Anim Sci* 46(6):1701-6, Jun 78
- Control of luteinizing hormone release in prepubertal female rats: evidence for an enhanced ability of the hypothalamus to release luteinizing hormone releasing hormone as the pituitary responsiveness to luteinizing hormone releasing hormone declines. Andrews WW, et al. *J Endocrinol* 78(2):281-2, Aug 78
- Inhibin from cultures of rat seminiferous tubules. Eddie LW, et al. *J Endocrinol* 78(2):217-24, Aug 78
- An inhibitory effect of melatonin on the luteinizing hormone releasing activity of luteinizing hormone releasing hormone in immature male dogs. Mieno M, et al. *J Endocrinol* 78(2):283-4, Aug 78
- Adrenal luteinizing hormone releasing hormone receptors. Bernardo LA, et al. *J Histochem Cytochem* 26(8):613-7, Aug 78
- Effects of RMI 12,936, a synthetic antiprogesterational steroid, on the oestrous cycle and ovulation in the rat. Kendle KE, et al. *J Reprod Fertil* 53(2):363-8, Jul 78
- On the activation of the corpus luteum of rat estrous cycle with phenobarbital anesthesia. II. Blockade by luteinizing hormone of phenobarbital-induced pseudopregnancy. Furudate S. *Kitasato Arch Exp Med* 50(1-2):47-56, Jun 77
- Sensitisation of pituitary cells to luteinising hormone releasing hormone by clomiphene citrate in vitro. Hsueh AJ, et al. *Nature* 273(5657):57-9, 4 May 78
- Hypophysial responses to continuous and intermittent delivery of hypothalamic gonadotropin-releasing hormone. Belchetz PE, et al. *Science* 202(4368):631-3, 10 Nov 78
- [Effects of testosterone propionate on LH and testosterone concentrations before and after the injection of gonadoliberein in young bulls pre-treated with dexamethasone] Thibier M, et al. *C R Acad Sci [D] (Paris)* 286(24):1803-6, 19 Jun 78 (Eng. Abstr.) (Fre)
- [The effect of Ritalin, CB-154 and various drugs of serum GH in acromegalics (author's transl)] Kanatsuka A, et al. *Nippon Naibunpi Gakkai Zasshi* 54(5):636-47, 20 May 78 (Eng. Abstr.) (Jpn)
- [LH and FSH hypophyseal reserve after stimulation with synthetic LHRH. V. Adrenal and thyroidal pathology, lipodystrophy and hemochromatosis] Villar Ortiz J, et al. *Rev Clin Esp* 149(3):223-8, 15 May 78 (Eng. Abstr.) (Spa)
- [Effect of synthetic LH-RH and hypothalamic extracts on RNA synthesis by rat pituitaries in vitro (author's transl)] Diaz-Chico BN, et al. *Rev Esp Fisiol* 34(2):127-30, Jun 78 (Eng. Abstr.) (Spa)

## PHYSIOLOGY

- The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)
- In vivo methods for studying the action of hypothalamic hormones with special reference to their antisera as tools for investigation. Arimura A. *Curr Top Mol Endocrinol* 3:387-96, 1976 (25 ref.)
- Role of sex steroids on LH and FSH secretion in the rat. Ferland L, et al. *Curr Top Mol Endocrinol* 3:191-209, 1976 (35 ref.)
- New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al. *Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)
- Aspects of hypothalamic regulation of the pituitary gland.

- Schally AV. *Science* 202(4363):18-28, 6 Oct 78 (136 ref.)  
[Monoaminergic and peptidergic innervation of rat median eminence, studied by a combination, in the same hypothalamus, of histochemical, immunocytochemical and radioautographic techniques] Alonso G, et al.  
*C R Soc Biol (Paris)* 172(1):138-48, 1978 (Eng. Abstr.) (Fre)  
[Neuro-peptide (author's transl)] Kakimoto Y, et al.  
*No To Shinkei* 30(6):591-604, Jun 78 (61 ref.) (Jpn)

## SECRETION

- Effect of norepinephrine synthesis inhibitors and a dopamine agonist on hypothalamic LH-RH serum gonadotrophin and prolactin levels in gonadal steroid treated rats. Kalra SP, et al. *Acta Endocrinol (Copenh)* 89(1):1-9, Sep 78  
The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)  
[A new modification of lh-rh test with a double response for preciseness of the diagnostics in gynecological endocrinology (author's transl)] Horský J, et al.  
*Cesk Gynekol* 43(8):583-8, Sep 78 (Eng. Abstr.) (Cze)  
[Demonstration of a 2d LH-RH neurosecretory system in the duck hypothalamus] Bons N, et al.  
*C R Acad Sci [D] (Paris)* 287(3):145-8, 17 Jul 78 (Eng. Abstr.) (Fre)  
[Age and increase in the sensitivity threshold of the tonic region of the hypothalamic sex center to inhibition by estradiol in female rats] Anisimov VN, et al.  
*Biull Eksp Biol Med* 86(8):228-30, Aug 78 (Eng. Abstr.) (Rus)  
[LH-RH content in different parts of the hypothalamus and blood of rats with an altered level of thyroid hormones] Babichev VN, et al. *Probl Endokrinol (Mosk)* 24(5):59-63, Sep-Oct 78 (Eng. Abstr.) (Rus)

## THERAPEUTIC USE

- Therapeutic use of luteinizing hormone-releasing hormone in the human female. Nillius SJ. *Curr Top Mol Endocrinol* 3:93-112, 1976  
Studies on the diagnostic use of LH-RH. Rochefort JG, et al. *Curr Top Mol Endocrinol* 3:65-72, 1976  
Diagnostic and therapeutic use of LH-RH in the infertile man. Schwarzsztajn L. *Curr Top Mol Endocrinol* 3:73-91, 1976

## MELATONIN

## ANALYSIS

- A nonisotopic assay for acetylserotonin methyltransferase. Suzuki O, et al. *Anal Biochem* 88(2):580-6, 1 Aug 78  
Melatonin in amniotic fluid during human parturition. Mitchell MD, et al. *Br J Obstet Gynaecol* 85(9):684-6, Sep 78

## BLOOD

- Melatonin as a tumour marker in a patient with pineal tumour [letter] *Br Med J* 2(6137):635-6, 26 Aug 78  
Melatonin as a tumour marker in a patient with pineal tumour. Barber SG, et al. *Br Med J* 2(6133):328, 29 Jul 78

## DEFICIENCY

- Role of pineal gland in aetiology and treatment of breast cancer. Cohen M, et al. *Lancet* 2(8094):814-6, 14 Oct 78

## PHARMACODYNAMICS

- Changes in rodent thyroid hormones and cyclic-AMP following treatment with pineal indolic compounds. Nir I, et al. *Arch Int Physiol Biochim* 86(2):353-62, May 78  
Inhibitory effects of melatonin, prostaglandin E1, cyclic AMP, dibutyrylcyclic AMP and theophylline on rat seminiferous tubular contractility in vitro. Ellis LC, et al.  
*Biol Reprod* 19(1):217-22, Aug 78  
Influence of agents which modulate thromboxane A2 synthesis or action on R3230AC mammary carcinoma. Karmali RA, et al. *Cancer Lett* 5(4):205-8, Oct 78  
The role of the pineal gland in the lipid metabolism. Damian E. *Endocrinologie* 16(3):179-89, Jul-Sep 78  
An inhibitory effect of melatonin on the luteinizing hormone releasing activity of luteinizing hormone releasing hormone in immature male dogs. Mieno M, et al. *J Endocrinol* 78(2):283-4, Aug 78  
Anti-LH and FSH activity of melatonin-free pineal extract. Damian E, et al. *Neuroendocrinology* 26(6):325-32, 1978  
Suppression of locomotor activity in sparrows by treatment

- with melatonin. Hendel RC, et al. *Physiol Behav* 21(2):275-8, Aug 78  
Hamster refractoriness: the role of insensitivity of pineal target tissues. Bittman EL. *Science* 202(4368):648-50, 10 Nov 78

## PHYSIOLOGY

- Neurotransmitter regulation of corticotropin-releasing factor in vitro. Jones MT, et al. *Ann NY Acad Sci* 297:536-60, 28 Oct 77  
Photoperiodic mechanism in hamsters: the participation of the pineal gland. pp. 94-102. Hoffmann K.  
In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (39 ref.)  
The effect of pineal indolamines on the response to ketamine in the pinealectomized chick. Lakin ML, et al.  
*Proc West Pharmacol Soc* 21:41-5, 1978

## THERAPEUTIC USE

- Role of pineal gland in aetiology and treatment of breast cancer. Cohen M, et al. *Lancet* 2(8094):814-6, 14 Oct 78

## URINE

- [Dynamics of melatonin excretion in women during normal labor and labor complicated by uterine inertia] Demidenko DI. *Pediatr Akush Ginekol* (4):40-1, Jul-Aug 78 (Ukr)

## MSH RELEASE INHIBITING HORMONE

## ISOLATION &amp; PURIFICATION

- Isolation and characterization of hypothalamic peptide hormones. Burgus R, et al. *Curr Top Mol Endocrinol* 3:355-72, 1976 (50 ref.)

## METABOLISM

- [Physiological trials with MIF-I in Parkinson's disease (author's transl)] Gonce M, et al. *Rev Neurol (Paris)* 134(2):141-9, Feb 78 (Eng. Abstr.) (Fre)

## PHYSIOLOGY

- [Regulation of the adenohypophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. III. Corticotropin releasing hormone, prolactin releasing hormone, prolactostatin, melanotropin releasing hormone, melanostatin] Blech W. *Endokrinologie* 71(3):325-36, Mar 78 (86 ref.) (Ger)

## THERAPEUTIC USE

- [Physiological trials with MIF-I in Parkinson's disease (author's transl)] Gonce M, et al. *Rev Neurol (Paris)* 134(2):141-9, Feb 78 (Eng. Abstr.) (Fre)

## MSH RELEASING HORMONE

## PHYSIOLOGY

- [Regulation of the adenohypophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. III. Corticotropin releasing hormone, prolactin releasing hormone, prolactostatin, melanotropin releasing hormone, melanostatin] Blech W. *Endokrinologie* 71(3):325-36, Mar 78 (86 ref.) (Ger)

## PITUITARY HORMONE RELEASE INHIBITING HORMONES

## BIOSYNTHESIS

- Inhibin from cultures of rat seminiferous tubules. Eddie LW, et al. *J Endocrinol* 78(2):217-24, Aug 78

## ISOLATION &amp; PURIFICATION

- Isolation and characterization of hypothalamic peptide hormones. Burgus R, et al. *Curr Top Mol Endocrinol*



3:355-72, 1976 (50 ref.)

#### PHARMACODYNAMICS

Applications of adenohipophyseal cell cultures to neuroendocrine studies. Vale W, et al.

*Curr Top Mol Endocrinol* 3:397-429, 1976 (72 ref.)

Inhibin from cultures of rat seminiferous tubules. Eddie LW, et al. *J Endocrinol* 78(2):217-24, Aug 78

#### THERAPEUTIC USE

[New therapeutic dimension in endometriosis: isoxazole] Hernández Ayup S, et al. *Ginecol Obstet Mex* 44(261):23-7, Jul 78 (Eng. Abstr.) (Spa)

[New treatment for endometriosis: isoxazol] Hernández Ayup S, et al. *Ginecol Obstet Mex* 43(259):325-32, May 78 (Eng. Abstr.) (Spa)

### PITUITARY HORMONE RELEASING HORMONES

The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)

[The neurohormones] Milcu SM. *Endocrinologie* 16(3):235-6, Jul-Sep 78 (Fre)

#### ADMINISTRATION & DOSAGE

Pituitary and ovarian hormonal response to 48 h gonadotrophin releasing hormone (GnRH) infusions in female Rhesus monkeys. Ferin M, et al. *Acta Endocrinol (Copenh)* 89(1) Sep 78

#### ANALYSIS

Impairment of the hypothalamo-pituitary-ovarian axis of the athymic 'nude' mouse. Weinstein Y. *Mech Ageing Dev* 8(1):63-8, Jul 78

Development of a GnRH radioimmunoassay utilizing a superactive synthetic GnRH analog: D-[Lys6]-GnRH. Heber D, et al. *Proc Soc Exp Biol Med* 158(4):643-6, Sep 78

[Neuro-peptide (author's transl)] Kakimoto Y, et al. *No To Shinkai* 30(6):591-604, Jun 78 (61 ref.) (Jpn)

#### BLOOD

The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)

Development of a GnRH radioimmunoassay utilizing a superactive synthetic GnRH analog: D-[Lys6]-GnRH. Heber D, et al. *Proc Soc Exp Biol Med* 158(4):643-6, Sep 78

#### DIAGNOSTIC USE

Studies of sexual differentiation of sheep. II. Evidence for post-natal hypothalamic hypophysiotrophic depression of basal LH secretion following pre-natal androgenisation. Wilson PR, et al. *Acta Endocrinol (Copenh)* 89(1):190-5, Sep 78

Diagnosis of Sheehan's syndrome using a sequential pituitary stimulation test. DiZerega G, et al.

*Am J Obstet Gynecol* 132(4):348-53, 15 Oct 78

Growth hormone hypersecretion and acromegaly. Daughaday WH, et al. *Hosp Pract* 13(8):75-80, Aug 78

#### IMMUNOLOGY

The present and future of immunologic approaches to contraception. Talwar GP. *Int J Gynaecol Obstet* 15(5):410-4, 1978

Development of a GnRH radioimmunoassay utilizing a superactive synthetic GnRH analog: D-[Lys6]-GnRH. Heber D, et al. *Proc Soc Exp Biol Med* 158(4):643-6, Sep 78

#### ISOLATION & PURIFICATION

Isolation and characterization of hypothalamic peptide hormones. Burgus R, et al. *Curr Top Mol Endocrinol* 3:355-72, 1976 (50 ref.)

#### METABOLISM

Binding of gonadotrophin releasing hormone (GnRH) by

bovine anterior pituitary plasma membranes and purified GnRH receptor protein (GnRH.R). Zolman JC, et al.

*Acta Endocrinol (Copenh)* 89(2):232-9, Oct 78

The role of estradiol in modulating LH and FSH response to gonadotropin releasing hormone. Jaffe RB, et al.

*Curr Top Mol Endocrinol* 3:211-54, 1976

#### PHARMACODYNAMICS

Pituitary and ovarian hormonal response to 48 h gonadotrophin releasing hormone (GnRH) infusions in female Rhesus monkeys. Ferin M, et al.

*Acta Endocrinol (Copenh)* 89(1) Sep 78

Studies of sexual differentiation of sheep. II. Evidence for post-natal hypothalamic hypophysiotrophic depression of basal LH secretion following pre-natal androgenisation. Wilson PR, et al. *Acta Endocrinol (Copenh)* 89(1):190-5, Sep 78

Pharmacology of hypothalamic regulatory peptides. Vale W, et al. *Clin Endocrinol (Oxf)* 5 Suppl:261S-273S, 1976 (41 ref.)

The role of estradiol in modulating LH and FSH response to gonadotropin releasing hormone. Jaffe RB, et al.

*Curr Top Mol Endocrinol* 3:211-54, 1976

Applications of adenohipophyseal cell cultures to neuroendocrine studies. Vale W, et al.

*Curr Top Mol Endocrinol* 3:397-429, 1976 (72 ref.)

Impairment of the hypothalamo-pituitary-ovarian axis of the athymic 'nude' mouse. Weinstein Y. *Mech Ageing Dev* 8(1):63-8, Jul 78

[Ovarian changes following GRH application in cows with normal ovarian function] Berchtold M, et al.

*Schweiz Arch Tierheilkd* 120(8):377-82, Aug 78 (Eng. Abstr.) (Ger)

#### PHYSIOLOGY

The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)

New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al.

*Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)

[New acquisitions on the hormonal regulation of the menstrual cycle] Kyank H, et al. *Z Aerzt Fortbild (Jena)* 72(15):710-9, 1 Aug 78 (Ger)

#### SECRETION

The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)

### PROLACTIN RELEASE INHIBITING HORMONE

#### ANALYSIS

[Secondary amenorrhea after hormonal contraceptives] Lauritzen C. *Med Klin* 73(39):1343-50, 29 Sep 78 (52 ref.) (Ger)

#### ISOLATION & PURIFICATION

Isolation and characterization of hypothalamic peptide hormones. Burgus R, et al. *Curr Top Mol Endocrinol* 3:355-72, 1976 (50 ref.)

Applications of adenohipophyseal cell cultures to neuroendocrine studies. Vale W, et al.

*Curr Top Mol Endocrinol* 3:397-429, 1976 (72 ref.)

#### METABOLISM

[Prolactin] Lamberts SW, et al. *Ned Tijdschr Geneesk* 122(36):1327-34, 9 Sep 78 (47 ref.) (Dut)

#### PHARMACODYNAMICS

Applications of adenohipophyseal cell cultures to neuroendocrine studies. Vale W, et al.

*Curr Top Mol Endocrinol* 3:397-429, 1976 (72 ref.)

#### PHYSIOLOGY

Neural control of prolactin secretion in man. Boyd AE 3d, et al. *Psychoneuroendocrinology* 3(2):113-30, Apr 78

[Physiology of prolactin secretion. Analytic methods] Jaffiol C, et al. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):625-33, Apr 78 (Eng. Abstr.) (Fre)

[Regulation of the adenohipophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. III. Corticotropin releasing hormone, prolactin releasing hormone, prolactostatin, melanotropin releasing hormone, melanostatin] Blech W. *Endokrinologie* 71(3):325-36, Mar 78 (86 ref.) (Ger)

## PROLACTIN RELEASING HORMONE

### ANALYSIS

Purification of rat prolactin releasing factor by gel filtration. Takahashi K, et al. *Tohoku J Exp Med* 126(1):77-84, Sep 78

### ISOLATION & PURIFICATION

Isolation and characterization of hypothalamic peptide hormones. Burgess R, et al. *Curr Top Mol Endocrinol* 3:355-72, 1976 (50 ref.)

Purification of rat prolactin releasing factor by gel filtration. Takahashi K, et al. *Tohoku J Exp Med* 126(1):77-84, Sep 78

### METABOLISM

[Biological studies with enkephalins and endorphins and their analogs] Coy DH, et al. *Ann Anesthesiol Fr* 19(5):373-8, 1978 (Eng. Abstr.) (Fre)

### PHYSIOLOGY

Neural control of prolactin secretion in man. Boyd AE 3d, et al. *Psychoneuroendocrinology* 3(2):113-30, Apr 78

[Regulation of the adenohipophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. III. Corticotropin releasing hormone, prolactin releasing hormone, prolactostatin, melanotropin releasing hormone, melanostatin] Blech W. *Endokrinologie* 71(3):325-36, Mar 78 (86 ref.) (Ger)

## SOMATOTROPIN RELEASE INHIBITING HORMONE

Somatostatin and the endocrine pancreas. Gerich JE. *Curr Top Mol Endocrinol* 3:127-43, 1976 (54 ref.)

Analogues of somatostatin. Part A. Chemistry and in vitro results. Immer H, et al. *Curr Top Mol Endocrinol* 3:373-8, 1976

[The neurohormones] Milcu SM. *Endocrinologie* 16(3):235-6, Jul-Sep 78 (Fre)

[Recent trends in the studies of somatostatin] Arimura A. *Horumon To Rinsho* 26(6):520-3, Jun 78 (Jpn)

[Somatostatin-binding-protein] Ogawa N. *Horumon To Rinsho* 26(6):578-82, Jun 78 (Jpn)

[Somatostatin (author's transl)] Chorváthová V. *Cesk Gastroenterol Vyz* 32(3):188-93, Apr 78 (31 ref.) (Eng. Abstr.) (Slo)

### ADMINISTRATION & DOSAGE

Effect of intracerebroventricularly administered somatostatin on brain monoamine turnover. Garcia-Sevilla JA, et al. *Brain Res* 155(1):159-64, 20 Oct 78

Effect of intravenous infusion of somatostatin on gastric, pancreatic and biliary secretion in the rat. Moriga M, et al. *Gastroenterol Jpn* 13(3):190-6, 1978

Effects of somatostatin on the external secretion of the pancreas of the rat. Chariot J, et al. *Gastroenterology* 75(5):832-7, Nov 78

### ADVERSE EFFECTS

Clinical implications of growth hormone release inhibiting hormone (GH-RIH). Besser GM. *Curr Top Mol Endocrinol* 3:115-25, 1976 (19 ref.)

### ANALOGS & DERIVATIVES

Structure activity studies on somatostatin. Sarantakis D, et al. *Clin Endocrinol (Oxf)* 5 Suppl:275S-278S, 1976

Pharmacology of hypothalamic regulatory peptides. Vale W, et al. *Clin Endocrinol (Oxf)* 5 Suppl:261S-273S, 1976 (41 ref.)

Analogues of somatostatin. Part B. In vivo activities:

prolongation of action with protamine zinc. Brazeau P, et al. *Curr Top Mol Endocrinol* 3:379-86, 1976

Analogues of somatostatin. Part A. Chemistry and in vitro results. Immer H, et al. *Curr Top Mol Endocrinol* 3:373-8, 1976

Applications of adenohipophyseal cell cultures to neuroendocrine studies. Vale W, et al.

*Curr Top Mol Endocrinol* 3:397-429, 1976 (72 ref.)

[des-Ala<sup>1</sup>, Gly<sup>2</sup>]-His<sup>4</sup>,5D-Trp<sup>8</sup>-somatostatin: a glucagon-specific and long-acting somatostatin analog. Sarantakis D, et al. *FEBS Lett* 92(2):153-5, 15 Aug 78

### ANALYSIS

The functional and structural border of the neurohemal region of the median eminence. Krisch B, et al. *Cell Tissue Res* 192(2):327-39, 5 Sep 78

Gut endocrinology: correlation of physiology and morphology. Polak JM, et al. *Clin Endocrinol (Oxf)* 5 Suppl:205S-216S, 1976 (44 ref.)

Immunohistochemical localization of hypothalamic hormones (especially LRF) at the light microscopy level. Barry J. *Curr Top Mol Endocrinol* 3:451-73, 1976 (118 ref.)

Analogues of somatostatin. Part B. In vivo activities: prolongation of action with protamine zinc. Brazeau P, et al. *Curr Top Mol Endocrinol* 3:379-86, 1976

Immunohistochemical localization of hypothalamic hormones at the electron microscope level. Pelletier G. *Curr Top Mol Endocrinol* 3:433-50, 1976 (23 ref.)

Multiple forms of somatostatin-like immunoreactivity in canine pancreas. Conlon JM, et al. *FEBS Lett* 94(2):327-30, 15 Oct 78

[Somatostatin of the human CSF and rat hypothalamus] Abe H, et al. *Horumon To Rinsho* 26(6):537-40, Jun 78 (Jpn)

[Radioimmunoassay with a new somatostatin antiserum—experimental studies] Chiba T, et al. *Horumon To Rinsho* 26(6):555-7, Jun 78 (Jpn)

[Effects of various amines and amino acids on hypothalamic somatostatin volume] Hosoki H, et al. *Horumon To Rinsho* 26(6):529-32, Jun 78 (Jpn)

[Effects of various endocrinous treatments and differentiation on the somatostatin volume in the rat hypothalamus] Kanda K, et al. *Horumon To Rinsho* 26(6):533-6, Jun 78 (Jpn)

[Effects of growth hormone administration on the somatostatin content of the hypothalamus] Kanazuka H, et al. *Horumon To Rinsho* 26(6):587-8, Jun 78 (Jpn)

[Somatostatin-like substances in the decidua and chorionic villi in the early stage of pregnancy] Kumasaka T, et al. *Horumon To Rinsho* 26(6):571-4, Jun 78 (Jpn)

[Diabetes mellitus and pancreatic somatostatin] Makino E, et al. *Horumon To Rinsho* 26(6):589-90, Jun 78 (Jpn)

[Immunohistological studies of the somatostatin containing cells in the pancreatic islets of Langerhans] Matsushima Y, et al. *Horumon To Rinsho* 26(6):586, Jun 78 (Jpn)

[Somatostatin-binding-protein] Ogawa N. *Horumon To Rinsho* 26(6):578-82, Jun 78 (Jpn)

[Immunoreactive somatostatin in the brain tissue of various animals] Sato H, et al. *Horumon To Rinsho* 26(6):565-7, Jun 78 (Jpn)

[Thyroid somatostatin] Yamada Y, et al. *Horumon To Rinsho* 26(6):568-70, Jun 78 (Jpn)

[Neuro-peptide (author's transl)] Kakimoto Y, et al. *No To Shinkai* 30(6):591-604, Jun 78 (61 ref.) (Jpn)

[Somatostatin (author's transl)] Chorváthová V. *Cesk Gastroenterol Vyz* 32(3):188-93, Apr 78 (31 ref.) (Eng. Abstr.) (Slo)

### ANTAGONISTS & INHIBITORS

In vivo methods for studying the action of hypothalamic hormones with special reference to their antisera as tools for investigation. Arimura A. *Curr Top Mol Endocrinol* 3:387-96, 1976 (25 ref.)

[Inactivation of somatostatin in the serum and brain tissue] Utsumi M, et al. *Horumon To Rinsho* 26(6):558-60, Jun 78 (Jpn)

### BLOOD

Tissue growth hormone release inhibiting hormone-like immunoreactivity in experimental hypothyroidism and hypopituitarism. Berelowitz M, et al. *Clin Endocrinol (Oxf)* 9(2):185-91, Aug 78

The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)

Pancreatic and gastric somatostatin release in response to intragastric and intraduodenal nutrients and HCl in the dog. Schudziarra V, et al. *J Clin Invest* 62(3):509-18, Sep 78

[Radioimmunoassay of somatostatin and its degradation in the serum] Kokubu T, et al. *Horumon To Rinsho* 26(6):552-4,



- Jun 78 (Jpn)  
[Inactivation of somatostatin in the serum and brain tissue]  
Utsumi M, et al. *Horumon To Rinsho* 26(6):558-60, Jun 78 (Jpn)

## CEREBROSPINAL FLUID

- [Somatostatin of the human CSF and rat hypothalamus] Abe H, et al. *Horumon To Rinsho* 26(6):537-40, Jun 78 (Jpn)  
[Somatostatin-like substance of the cerebrospinal fluid in acromegaly and idiopathic pituitary dwarfism] Miki N, et al. *Horumon To Rinsho* 26(6):561-4, Jun 78 (Jpn)

## CHEMICAL SYNTHESIS

- Structure activity studies on somatostatin. Sarantakis D, et al. *Clin Endocrinol (Oxf)* 5 Suppl:275S-278S, 1976

## DIAGNOSTIC USE

- Immunoreactive glucagon responses to oral glucose, insulin infusion and deprivation, and somatostatin in pancreatectomized man. Werner PL, et al. *Diabetes* 27(10):1005-12, Oct 78  
The carcinoid flush. Provocation by pentagastrin and inhibition by somatostatin. Frölich JC, et al. *N Engl J Med* 299(19):1055-7, 9 Nov 78

## IMMUNOLOGY

- Multiple forms of somatostatin-like immunoreactivity in canine pancreas. Conlon JM, et al. *FEBS Lett* 94(2):327-30, 15 Oct 78  
Islet-cell antibodies (ICA) in diabetes mellitus (evidence of an autoantigen common to all cells in the islet of Langerhans). Bottazzo GF, et al. *Ric Clin Lab* 8(1-2):29-38, Jan-Jun 78  
Circulating antibodies in diabetics treated with conventional and purified insulins. Klaff LJ, et al. *S Afr Med J* 54(4):149-53, 22 Jul 78  
[Recent trends in the studies of somatostatin] Arimura A. *Horumon To Rinsho* 26(6):520-3, Jun 78 (Jpn)  
[Immunoreactive somatostatin in the brain tissue of various animals] Sato H, et al. *Horumon To Rinsho* 26(6):565-7, Jun 78 (Jpn)  
[Immunoreactive somatostatin] Yanaihara N, et al. *Horumon To Rinsho* 26(6):545-51, Jun 78 (Jpn)

## ISOLATION &amp; PURIFICATION

- Isolation and characterization of hypothalamic peptide hormones. Burgus R, et al. *Curr Top Mol Endocrinol* 3:355-72, 1976 (50 ref.)  
Applications of adenohipophyseal cell cultures to neuroendocrine studies. Vale W, et al. *Curr Top Mol Endocrinol* 3:397-429, 1976 (72 ref.)  
Aspects of hypothalamic regulation of the pituitary gland. Schally AV. *Science* 202(4363):18-28, 6 Oct 78 (136 ref.)  
[Somatostatin (author's transl)] Chorváthová V. *Cesk Gastroenterol Vyz* 32(3):188-93, Apr 78 (31 ref.) (Eng. Abstr.) (Slo)

## METABOLISM

- Somatostatin-containing neurons in the rat brain: widespread distribution revealed by immunocytochemistry after pretreatment with pronase. Finley JC, et al. *Am J Anat* 153(3):483-8, Nov 78  
VIP-, enkephalin-, substance P- and somatostatin-like immunoreactivity in neurons intrinsic to the intestine: immunohistochemical evidence from organotypic tissue cultures. Schultzberg M, et al. *Brain Res* 155(2):239-48, 27 Oct 78  
Types of endocrine cells in the human colon and rectum. Buffa R, et al. *Cell Tissue Res* 192(2):227-40, 5 Sep 78  
Tissue growth hormone release inhibiting hormone-like immunoreactivity in experimental hypothyroidism and hypopituitarism. Berelowitz M, et al. *Clin Endocrinol (Oxf)* 9(2):185-91, Aug 78  
Role of glucagon in human diabetic ketoacidosis: studies using somatostatin. Gerich JE, et al. *Clin Endocrinol (Oxf)* 5 Suppl:299S-305S, 1976  
Gut endocrinology: correlation of physiology and morphology. Polak JM, et al. *Clin Endocrinol (Oxf)* 5 Suppl:205S-216S, 1976 (44 ref.)

## PHARMACODYNAMICS

- Somatostatin inhibits motilin-induced interdigestive contractile activity in the dog. Ormsbee HS 3d, et al.

- Am J Dig Dis* 23(9):781-8, Sep 78  
Effect of somatostatin on myoelectrical activity of small bowel. Thor P, et al. *Am J Physiol* 235(3):E249-54, Sep 78  
Effect of intracerebroventricularly administered somatostatin on brain monoamine turnover. Garcia-Sevilla JA, et al. *Brain Res* 155(1):159-64, 20 Oct 78  
Effect of somatostatin (SRIF) and L-glutamate on neurons of the sensorimotor cortex in awake habituated rabbits. Ioffe S, et al. *Brain Res* 153(2):414-8, 22 Sep 78  
Inhibition of firing of myenteric neurones by somatostatin. Williams JT, et al. *Brain Res* 155(1):165-8, 20 Oct 78  
Role of glucagon in human diabetic ketoacidosis: studies using somatostatin. Gerich JE, et al. *Clin Endocrinol (Oxf)* 5 Suppl:299S-305S, 1976  
Structure activity studies on somatostatin. Sarantakis D, et al. *Clin Endocrinol (Oxf)* 5 Suppl:275S-278S, 1976  
Pharmacology of hypothalamic regulatory peptides. Vale W, et al. *Clin Endocrinol (Oxf)* 5 Suppl:261S-273S, 1976 (41 ref.)  
In vivo methods for studying the action of hypothalamic hormones with special reference to their antisera as tools for investigation. Arimura A. *Curr Top Mol Endocrinol* 3:387-96, 1976 (25 ref.)  
Clinical implications of growth hormone release inhibiting hormone (GH-RIH). Besser GM. *Curr Top Mol Endocrinol* 3:115-25, 1976 (19 ref.)  
Analogues of somatostatin. Part B. In vivo activities: prolongation of action with protamine zinc. Brazeau P, et al. *Curr Top Mol Endocrinol* 3:379-86, 1976  
Somatostatin and the endocrine pancreas. Gerich JE. *Curr Top Mol Endocrinol* 3:127-43, 1976 (54 ref.)  
Analogues of somatostatin. Part A. Chemistry and in vitro results. Immer H, et al. *Curr Top Mol Endocrinol* 3:373-8, 1976  
New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al. *Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)  
Applications of adenohipophyseal cell cultures to neuroendocrine studies. Vale W, et al. *Curr Top Mol Endocrinol* 3:397-429, 1976 (72 ref.)  
Somatostatin in maturity-onset diabetes. Christensen SE, et al. *Diabetes* 27(10):1013-9, Oct 78  
Effects of somatostatin on the external secretion of the pancreas of the rat. Chariot J, et al. *Gastroenterology* 75(5):832-7, Nov 78  
Effect of glucagon on glucose production during insulin deficiency in the dog. Cherrington AD, et al. *J Clin Invest* 62(3):664-77, Sep 78  
Certain pharmacological characteristics of the release of pancreatic glucagon in response to stimulation of the splanchnic nerves. Bloom SR, et al. *J Physiol (Lond)* 280:25-35, Jul 78  
Somatostatin decreases urinary calcium excretion [letter] Lins PE, et al. *Lancet* 2(8091):687, 23 Sep 78  
Role of glucagon in the pathogenesis of diabetes: the status of the controversy. Unger RH. *Metabolism* 27(11):1691-709, Nov 78 (104 ref.)  
Role of glucagon in the hyperglycemic response to catecholamines in fasted baboons. Woodson LC, et al. *Pharmacology* 17(4):221-6, 1978  
Somatostatin inhibits release of thyrotropin releasing factor from organ cultures of rat hypothalamus. Hirooka Y, et al. *Proc Natl Acad Sci USA* 75(9):4509-13, Sep 78  
The effects of glucose, arginine and somatostatin on hyperglucagonaemia in the pancreatectomized pig. van Hoorn WA, et al. *S Afr Med J* 53(23):940-4, 10 Jun 78  
[Somatostatin (author's transl)] Chorváthová V. *Cesk Gastroenterol Vyz* 32(3):188-93, Apr 78 (31 ref.) (Eng. Abstr.) (Slo)
- PHYSIOLOGY**
- The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)  
Role of glucagon in human diabetic ketoacidosis: studies using somatostatin. Gerich JE, et al. *Clin Endocrinol (Oxf)* 5 Suppl:299S-305S, 1976  
In vivo methods for studying the action of hypothalamic hormones with special reference to their antisera as tools for investigation. Arimura A. *Curr Top Mol Endocrinol* 3:387-96, 1976 (25 ref.)  
Somatostatin and the endocrine pancreas. Gerich JE. *Curr Top Mol Endocrinol* 3:127-43, 1976 (54 ref.)  
New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al. *Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)  
The 2nd International Symposium on Gastrointestinal Hormones. August 30th-September 2nd 1978 Beito Mountain Hospital, Valdres, Norway.

- Scand J Gastroenterol [Suppl] 13(49):1-200, 1978  
 Aspects of hypothalamic regulation of the pituitary gland.  
 Schally AV. Science 202(4363):18-28, 6 Oct 78 (136 ref.)  
 [Monoaminergic and peptidergic innervation of rat median  
 eminence, studied by a combination, in the same  
 hypothalamus, of histofluorescent, immunocytochemical  
 and radioautographic techniques] Alonso G, et al.  
 C R Soc Biol (Paris) 172(1):138-48, 1978 (Eng. Abstr.)

- (Fre)  
 [Regulation of the adenohypophysis by hypothalamic  
 hormones. Biochemistry and physiology of releasing  
 hormones. IV. Somatostatin and somatotropin releasing  
 hormones] Blech W. Endokrinologie 72(1):77-118, Apr 78  
 (240 ref.) (Ger)  
 [Recent trends in the studies of somatostatin] Arimura A.  
 Horumon To Rinsho 26(6):520-3, Jun 78 (Jpn)  
 [Physiological significance of endogenous somatostatin in  
 insulin and glucagon secretion] Baba S.  
 Horumon To Rinsho 26(6):583-5, Jun 78 (Jpn)  
 [Action mechanism of somatostatin in growth hormone  
 secretion] Kimura N, et al. Horumon To Rinsho 26(6):575-7,  
 Jun 78 (Jpn)  
 [Growth hormone secretion and somatostatin] Wakabayashi  
 K, et al. Horumon To Rinsho 26(6):524-8, Jun 78 (Jpn)

## SECRETION

- Inhibition of pancreatic somatostatin release in response to  
 glucose. Gustavsson S, et al.  
 Biochem Biophys Res Commun 82(4):1229-35, 29 Jun 78  
 The development of the releasing factor concept. Fink G.  
 Clin Endocrinol (Oxf) 5 Suppl:245S-260S, 1976 (106 ref.)  
 Pancreatic and gastric somatostatin release in response to  
 intragastric and intraduodenal nutrients and HCl in the dog.  
 Schusdziarra V, et al. J Clin Invest 62(3):509-18, Sep 78  
 [Malignant insulino-gastrino-somatostatinoma (author's  
 transl)] Fujiya H, et al. Horumon To Rinsho 26(6):591-3,  
 Jun 78 (Jpn)  
 [Morphological and pathological observation of A, B and D  
 cells in human insulinoma] Hirayama A.  
 Horumon To Rinsho 26(6):594-9, Jun 78 (Jpn)  
 [Effects of high potassium, calcium ion and dopamine on  
 somatostatin secretion from the rat hypothalamus nerve  
 endings] Miyazawa Y, et al. Horumon To Rinsho  
 26(6):541-4, Jun 78 (Jpn)

## THERAPEUTIC USE

- Somatostatin in the treatment of patients with extra-pyramidal  
 disorders and patients with EEG abnormalities. Dupont E,  
 et al. Acta Neurol Scand 57(6):488-93, Jun 78  
 Somatostatin and the endocrine pancreas. Gerich JE.  
 Curr Top Mol Endocrinol 3:127-43, 1976 (54 ref.)  
 Somatostatin in maturity-onset diabetes. Christensen SE, et  
 al. Diabetes 27(10):1013-9, Oct 78  
 Somatostatin in acute gastroduodenal haemorrhage [letter]  
 Kayasseh L, et al. Lancet 2(8094):833-4, 14 Oct 78

SOMATOTROPIN RELEASING  
HORMONE

## ISOLATION &amp; PURIFICATION

- Isolation and characterization of hypothalamic peptide  
 hormones. Burgus R, et al. Curr Top Mol Endocrinol  
 3:355-72, 1976 (50 ref.)  
 Peptides in the brain: the new endocrinology of the neuron.  
 Guillemin R. Science 202(4366):390-402, 27 Oct 78 (119 ref.)

## METABOLISM

- [Biological studies with enkephalins and endorphins and their  
 analogs] Coy DH, et al. Ann Anesthesiol Fr 19(5):373-8,  
 1978 (Eng. Abstr.) (Fre)

## PHYSIOLOGY

- Control of anterior pituitary function. Locke W.  
 Arch Intern Med 138(10):1541-5, Oct 78  
 [Regulation of the adenohypophysis by hypothalamic  
 hormones. Biochemistry and physiology of releasing  
 hormones. IV. Somatostatin and somatotropin releasing  
 hormones] Blech W. Endokrinologie 72(1):77-118, Apr 78  
 (240 ref.) (Ger)

THYROTROPIN RELEASING  
HORMONE

- Specific activity of LHRH and TRH degrading enzymes in  
 various tissues of normal and castrated male rats. Loudes  
 C, et al. Biochem Biophys Res Commun 83(3):921-6, 14 Aug  
 78  
 Characterization of a pyroglutamate aminopeptidase from rat  
 serum that degrades thyrotropin-releasing hormone. Taylor  
 WL, et al. J Biol Chem 253(19):6934-40, 10 Oct 78  
 [Thyrotropin-releasing hormone and its effect on  
 3,3',5'-l-triiodothyronine ('reverse T3') in patients with  
 hyper- and hypothyroidism (author's transl)] Nedvicková  
 J, et al. Cas Lek Cesk 117(29-30):913-6, 28 Jul 78 (Eng.  
 Abstr.) (Cze)

## ADMINISTRATION &amp; DOSAGE

- Thyrotropin, prolactin and growth hormone response to  
 synthetic thyrotropin-releasing hormone in newborn infants.  
 Delitala G, et al. Biol Neonate 33(5-6):236-9, 1978  
 Oral administration of thyrotropin-releasing hormone (TRH)  
 in the diagnosis of thyreopathies. Felt V, et al.  
 Czech Med 1(3):162-8, 1978  
 Behavioural, electrocortical and body temperature effects  
 after intracerebral infusion of TRH in fowls. Nisticò G, et  
 al. Eur J Pharmacol 50(3):253-60, 1 Aug 78  
 [The analgesic activity of TRH and MSH] Cuenca E, et al.  
 Arch Farmacol Toxicol 4(1):71-6, Apr 78 (Spa)  
 [Evaluation of the antidepressive and endocrine metabolic  
 effect of T.R.H. open trial] Herrera R, et al.  
 Arch Neurobiol (Madr) 41(2):99-108, Mar-Apr 78 (Eng.  
 Abstr.) (Spa)

## ADVERSE EFFECTS

- [Evaluation of the antidepressive and endocrine metabolic  
 effect of T.R.H. open trial] Herrera R, et al.  
 Arch Neurobiol (Madr) 41(2):99-108, Mar-Apr 78 (Eng.  
 Abstr.) (Spa)

## ANALOGS &amp; DERIVATIVES

- Pharmacology of hypothalamic regulatory peptides. Vale W,  
 et al. Clin Endocrinol (Oxf) 5 Suppl:261S-273S, 1976 (41  
 ref.)  
 Applications of adenohypophyseal cell cultures to  
 neuroendocrine studies. Vale W, et al.  
 Curr Top Mol Endocrinol 3:397-429, 1976 (72 ref.)

## ANALYSIS

- Ontogenesis of thyroliberin in the mouse hypothalamus.  
 Faivre-Bauman A, et al. Brain Res 154(2):382-7, 13 Oct  
 78  
 Demonstration of a temperature-dependent association of  
 thyrotropin releasing hormone, alpha-melanocyte  
 stimulating hormone, and luteinizing hormone releasing  
 hormone with subneuronal particles in hypothalamic  
 synaptosomes. Barnea A, et al. J Neurochem 31(5):1125-34,  
 Nov 78  
 [Neuro-peptide (author's transl)] Kakimoto Y, et al.  
 No To Shinkai 30(6):591-604, Jun 78 (61 ref.) (Jpn)

## ANTAGONISTS &amp; INHIBITORS

- Behavioural, electrocortical and body temperature effects  
 after intracerebral infusion of TRH in fowls. Nisticò G, et  
 al. Eur J Pharmacol 50(3):253-60, 1 Aug 78  
 [Analgesic activity of T.R.H. and its modification by previous  
 administration of naloxone] Cuenca E, et al.  
 Rev Esp Anesthesiol Reanim 25(3):182-8, May 78 (Spa)

## BIOSYNTHESIS

- Ontogenesis of thyroliberin in the mouse hypothalamus.  
 Faivre-Bauman A, et al. Brain Res 154(2):382-7, 13 Oct  
 78

## BLOOD

- The development of the releasing factor concept. Fink G.  
 Clin Endocrinol (Oxf) 5 Suppl:245S-260S, 1976 (106 ref.)  
 Thyroid function tests for the practicing physician. Roubush  
 CP, et al. J Indiana State Med Assoc 71(9):837-9, Sep 78  
 [Thyrotropin-releasing hormone and its effect on  
 3,3',5'-l-triiodothyronine ('reverse T3') in patients with  
 hyper- and hypothyroidism (author's transl)] Nedvicková



J, et al. *Cas Lek Cesk* 117(29-30):913-6, 28 Jul 78 (Eng. Abstr.) (Cze)

[Development and evaluation of a method of high pressure liquid chromatography for the determination of the level of degradation of thyroliberin (TRH) in blood] Aratan S, et al. *C R Acad Sci [D] (Paris)* 286(23):1735-8, 12 Jun 78 (Eng. Abstr.) (Fre)

[Endocrine activities and ultrastructure of functioning nodular goiter] Ishida T, et al. *Horumon To Rinsho* 26(1):17-23, Jan 78 (Jpn)

#### DEFICIENCY

[Post-traumatic selective tertiary hypothyroidism] Flatau E, et al. *Harefuah* 94(11):370-1, 1 Jun 78 (Eng. Abstr.) (Heb)

#### DIAGNOSTIC USE

Effects of substitution with thyroxine on the thyrotrophin (TSH) response to thyrotrophin-releasing hormone (TRH) in severe primary myxoedema and in mild hypothyroidism following prolonged thyrostatic therapy. Fischer HR, et al. *Acta Endocrinol (Copenh)* 89(2):303-15, Oct 78

Possible role of hyperammonaemia and/or of portosystemic shunts on the variability of the TSH response to TRH in cirrhotic patients. Schlienger JL, et al.

*Acta Endocrinol (Copenh)* 89(2):284-95, Oct 78

Diagnosis of Sheehan's syndrome using a sequential pituitary stimulation test. DiZerega G, et al.

*Am J Obstet Gynecol* 132(4):348-53, 15 Oct 78

Thyrotrophin, prolactin and growth hormone response to synthetic thyrotrophin-releasing hormone in newborn infants.

Delitala G, et al. *Biol Neonate* 33(5-6):236-9, 1978

Thyroid function in early sub-acute thyroiditis. Gorowski T, et al. *Clin Endocrinol (Oxf)* 9(2):175-8, Aug 78

Oral administration of thyrotrophin-releasing hormone (TRH) in the diagnosis of thyreopathies. Felt V, et al.

*Czech Med* 1(3):162-8, 1978

Growth hormone hypersecretion and acromegaly. Daughaday

WH, et al. *Hosp Pract* 13(8):75-80, Aug 78

A comparison of thyroxine and desiccated thyroid in patients with primary hypothyroidism. Sawin CT, et al.

*Metabolism* 27(10):1518-25, Oct 78

Thyroid function testing: an introduction to the thyrotrophin-releasing hormone (TRH) stimulation test.

Becker DI. *NC Med J* 39(8):486-8, Aug 78

Hypothalamus-pituitary function in amenorrhea-galactorrhea syndrome. Delitala G, et al. *Panminerva Med* 20(2):89-96, Apr-Jun 78

Effect of prostaglandin F<sub>2</sub>alpha on ovarian and pituitary function in the mid-luteal phase. Kajanoja P, et al.

*Prostaglandins* 16(2):327-32, Aug 78

[Biosynthesis and peripheral metabolism of thyroid hormones in subacute thyroiditis] Bános C, et al. *Orv Hetil* 119(41):2495-8, 8 Oct 78 (Hun)

[Reproducibility and interaction of TRH and LHRH on pituitary hormones and its clinical significance (author's trans)] Kaneko K, et al. *Rinsho Byori* 26(6):462-7, Jun 78 (Jpn)

[Thyroid (author's trans)] Mikuni T, et al. *Rinsho Byori* 26(6):478-82, Jun 78 (Jpn)

[Low thyroid reserve. Present concepts and analysis of 19 cases] Leite AC, et al. *AMB* 24(6):215-8, Jun 78 (Eng. Abstr.) (Por)

[Clinical use of synthetic thyroliberin (thyrotrophin-releasing factor)] Starkova NT, et al. *Probl Endokrinol (Mosk)* 24(5):103-10, Sep-Oct 78 (Rus)

[Clinical value of the TRH test in the study of hypophyseal reserve and differential diagnosis of hypothyroidism] Garay

Salas E, et al. *Rev Clin Esp* 149(5):435-40, 15 Jun 78 (Eng. Abstr.) (Spa)

#### IMMUNOLOGY

Suppression of serum thyrotrophin (TSH) concentrations following thyroidectomy and cold exposure by passive immunization with antiserum to thyrotrophin-releasing hormone (TRH) in rats. Mori M, et al. *Metabolism* 27(10):1485-90, Oct 78

#### ISOLATION & PURIFICATION

Isolation and characterization of hypothalamic peptide hormones. Burgus R, et al. *Curr Top Mol Endocrinol* 3:355-72, 1976 (50 ref.)

Peptides in the brain: the new endocrinology of the neuron.

Guillemin R. *Science* 202(4366):390-402, 27 Oct 78 (119 ref.)

Aspects of hypothalamic regulation of the pituitary gland.

Schally AV. *Science* 202(4363):18-28, 6 Oct 78 (136 ref.)

#### METABOLISM

Pharmacology of hypothalamic regulatory peptides. Vale W, et al. *Clin Endocrinol (Oxf)* 5 Suppl:261S-273S, 1976 (41 ref.)

New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al.

*Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)

High concentration of thyrotrophin-releasing hormone in pancreatic islets. Martino E, et al.

*Proc Natl Acad Sci USA* 75(9):4265-7, Sep 78

[Prolactin] Lamberts SW, et al. *Ned Tijdschr Geneesk* 122(36):1327-34, 9 Sep 78 (47 ref.) (Dut)

[Development and evaluation of a method of high pressure liquid chromatography for the determination of the level of degradation of thyroliberin (TRH) in blood] Aratan S, et al. *C R Acad Sci [D] (Paris)* 286(23):1735-8, 12 Jun 78 (Eng. Abstr.) (Fre)

[Thyroid and hypophyseal steroid secretion in hydatidiform mole] Decocq J, et al.

*J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):744-6, Apr 78 (Fre)

[Biological effect of thyrotrophin releasing hormone] Klingler W, et al. *Med Welt* 29(42):1645-6, 20 Oct 78 (Ger)

#### PHARMACODYNAMICS

Combined effect of pimoide and thyroliberin (TRH) on serum prolactin and thyroid stimulating hormone (TSH) in man. Linnoila M, et al. *Acta Pharmacol Toxicol (Copenh)* 43(1):72-4, Jul 78

Deranged anterior pituitary responsiveness to hypothalamic hormones in depressed patients. Brambilla F, et al.

*Arch Gen Psychiatry* 35(10):1231-8, Oct 78

Effect of thyroid hormone, actinomycin D, cycloheximide and puromycin on TRH-induced secretion of TSH, as studied by pituitary concentration of cyclic AMP and intrathyroidal colloid droplet formation. Kotani M, et al.

*Arch Int Pharmacodyn Ther* 234(1):145-55, Jul 78

The effect of intravenous heparin infusions on the thyroid stimulating hormone response to thyrotrophin releasing hormone. Thomson JE, et al. *Br J Clin Pharmacol* 6(3):239-42, Sep 78

Pharmacology of hypothalamic regulatory peptides. Vale W, et al. *Clin Endocrinol (Oxf)* 5 Suppl:261S-273S, 1976 (41 ref.)

Bromocriptine suppression of the thyrotrophin response to thyrotrophin releasing hormone. Yap PL, et al.

*Clin Endocrinol (Oxf)* 9(2):179-83, Aug 78

New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al.

*Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)

Changes of serum and pituitary TSH, LH and FSH concentrations following the slow infusion of TRH and LRH. Soji T. *Endocrinol Jpn* 25(3):231-6, Jun 78

Cytological changes of the pituitary basophils in rats slowly infused with LRH and with LRH and THR in combination. Soji T. *Endocrinol Jpn* 25(3):259-74, Jun 78

Cytological changes of the pituitary basophils in rats slowly infused with thyrotrophin-releasing hormone (TRH). Soji T. *Endocrinol Jpn* 25(3):245-58, Jun 78

Experimental studies concerning the mechanism of the thyroid-pineal interrelationship. II. Action of the pineal peptides on the pituitary TSH reserve and hypothalamic content of TRH in MTU-treated rats. Negoescu I, et al.

*Endocrinologie* 16(3):199-204, Jul-Sep 78

Behavioural, electrocortical and body temperature effects after intracerebral infusion of TRH in fowls. Nisticó G, et al. *Eur J Pharmacol* 50(3):253-60, 1 Aug 78

Serum thyrotrophin, thyroxine, and tri-iodothyronine in dairy cows fed varying amounts of iodine. Convey EM, et al.

*J Dairy Sci* 61(6):771-5, Jun 78

Effects of age and ovarian function on the pituitary-thyroid system in female rats. Chen HJ, et al. *J Endocrinol* 78(2):225-32, Aug 78

TSH and ACTH secretion and cyclic adenosine 3'5' monophosphate content following stimulation with TRH or lysine vasopressin in vitro: suppression by thyroxine and dexamethasone. Rose JC, et al. *Proc Soc Exp Biol Med* 158(4):524-9, Sep 78

Decrease in pentobarbital sleeping time by TRH: characterization with power spectral analysis of EEG. Kalivas PW, et al. *Proc West Pharmacol Soc* 21:443-6, 1978

Continuation therapy in endogenous depression controlled by changes in the TRH stimulation test. Kirkegaard C, et al. *Psychol Med* 8(3):501-3, Aug 78

Response to thyrotrophin-releasing hormone stimulation in young psychotic children: a pilot study. Campbell M, et al. *Psychoneuroendocrinology* 3(2):195-201, Apr 78

Studies of growth hormone (GH), thyrotrophin (TSH) and

- prolactin (PRL) secretion in anorexia nervosa. Macaron C, et al. *Psychoneuroendocrinology* 3(2):181-5, Apr 78
- Pharmacological-behavioral effects of oligopeptides endogenous to brain. Prange AJ Jr, et al. *Psychopharmacol Bull* 14(4):20-3, Oct 78
- Actions of thyrotropin-releasing-hormone on gastrointestinal function in man. I. Inhibition of glucose and xylose absorption from the gut. Dolva O, et al. *Scand J Gastroenterol* 13(5):599-604, 1978
- [The effect of Ritalin, CB-154 and various drugs of serum GH in acromegals (author's transl)] Kanatsuka A, et al. *Nippon Nihunpi Gakkai Zasshi* 54(5):636-47, 20 May 78 (Eng. Abstr.) (Jpn)
- [Effect of endogenous glucocorticosteroids on TRH-induced TSH secretion] Naumczyk-Zaremba J, et al. *Endokrynol Pol* 29(4):289-5, Jul-Aug 78 (Eng. Abstr.) (Pol)
- [Clinical use of synthetic thyroliberin (thyrotropin-releasing factor)] Starkova NT, et al. *Probl Endokrinol (Mosk)* 24(5):103-10, Sep-Oct 78 (Rus)
- [The analgesic activity of TRH and MSH] Cuenca E, et al. *Arch Farmacol Toxicol* 4(1):71-6, Apr 78 (Spa)
- [TRH and lipid metabolism] Cuenca E, et al. *Arch Farmacol Toxicol* 4(1):21-4, Apr 78 (Spa)
- [Action of TRH on the capture and storage of noradrenaline by the isolated ductus deferens of the rat] Gudiol T, et al. *Arch Farmacol Toxicol* 4(1):8-9, Apr 78 (Spa)
- [Hypothalamo-hypophyseal-thyroid axis in the aged] Mollerach F, et al. *Medicina (B Aires)* 38(3):276-80, May-Jun 78 (Eng. Abstr.) (Spa)
- [Clinical significance of the basal determinations of TSH and its response to TRH in the study of hyperthyroid patients treated with I131] Marañón González G, et al. *Rev Clin Esp* 149(5):429-33, 15 Jun 78 (Eng. Abstr.) (Spa)
- [Analgesic activity of T.R.H. and its modification by previous administration of naloxone] Cuenca E, et al. *Rev Esp Anestesiol Reanim* 25(3):182-8, May 78 (Spa)

#### PHYSIOLOGY

- Control of anterior pituitary function. Locke W. *Arch Intern Med* 138(10):1541-5, Oct 78
- The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)
- New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al. *Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)
- Hormonal regulation of membrane receptors and cell responsiveness: a review. Tell GP, et al. *Metabolism* 27(10):1566-92, Oct 78
- The assessment of thyroid function and structure. Bain J, et al. *Otolaryngol Clin North Am* 11(2):419-43, Jun 78 (27 ref.)
- Neural control of prolactin secretion in man. Boyd AE 3d, et al. *Psychoneuroendocrinology* 3(2):113-30, Apr 78
- Peptides in the brain: the new endocrinology of the neuron. Guillemin R. *Science* 202(4366):390-402, 27 Oct 78 (119 ref.)

#### SECRETION

- Control of anterior pituitary function. Locke W. *Arch Intern Med* 138(10):1541-5, Oct 78
- The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)
- Somatostatin inhibits release of thyrotropin releasing factor from organ cultures of rat hypothalamus. Hirooka Y, et al. *Proc Natl Acad Sci USA* 75(9):4509-13, Sep 78
- [Clinical use of synthetic thyroliberin (thyrotropin-releasing factor)] Starkova NT, et al. *Probl Endokrinol (Mosk)* 24(5):103-10, Sep-Oct 78 (Rus)

#### THERAPEUTIC USE

- [Clinical use of synthetic thyroliberin (thyrotropin-releasing factor)] Starkova NT, et al. *Probl Endokrinol (Mosk)* 24(5):103-10, Sep-Oct 78 (Rus)
- [Evaluation of the antidepressive and endocrine metabolic effect of T.R.H. open trial] Herrera R, et al. *Arch Neurobiol (Madr)* 41(2):99-108, Mar-Apr 78 (Eng. Abstr.) (Spa)



# CYCLIC NUCLEOTIDES

## ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE

The isozyme pattern of cyclic AMP-dependent protein kinase and the distribution of a cervicovaginal antigen in experimental carcinoma of the cervix uteri of mice. Døskeland SO, et al. *Acta Pathol Microbiol Scand* [A] 86(2):121-30, Mar 78

Evidence that rabbit muscle protein kinase has two kinetically distinct binding sites for adenosine 3' ; 5'-cyclic monophosphate. Døskeland SO.

*Biochem Biophys Res Commun* 83(2):542-9, 28 Jul 78

A kinetic study of cyclic adenosine 3':5'-monophosphate binding and mode of activation of protein kinase from *Drosophila melanogaster* embryos. Tsuzuki J, et al. *Biochemistry* 17(15):2961-70, 25 Jul 78

Control of biodegradative threonine dehydratase inducibility by cyclic AMP in energy-restricted *Escherichia coli*. Phillips AT, et al. *J Bacteriol* 135(3):828-40, Sep 78

### ADMINISTRATION & DOSAGE

Cyclic nucleotide-dependent phosphorylation of rat intestinal microvillus and basal-lateral membrane proteins by an endogenous protein kinase. Shlatz LJ, et al. *Gastroenterology* 75(5):838-46, Nov 78

### ANALOGS & DERIVATIVES

Inhibition of mammalian protein kinase and phosphodiesterase activities by a cyclic AMP-like compound isolated from higher plants. Wood HN, et al. *Proc Natl Acad Sci USA* 75(9):4301-5, Sep 78

### ANALYSIS

Measurement of adenosine 3':5'-cyclic monophosphate by competitive binding to salt-dissociated protein kinase. Døskeland SO, et al. *Biochem J* 174(2):363-72, 15 Aug 78

Intracellular cyclic adenosine 3',5'-monophosphate levels and streptomycin production in cultures of *Streptomyces griseus*. Ragan CM, et al. *Can J Microbiol* 24(8):1012-5, Aug 78

[Adenyl cyclase activity and the stimulation of adenosine 3',5'-cyclic monophosphate in blood vessel walls during ageing and under stress (author's transl)] Kranz D. *Aktuel Gerontol* 8(8):449-54, Aug 78 (Eng. Abstr.) (Ger)

[Effect of bupranolol hydrochloride (KL 255) on cyclic AMP level of aqueous humor, iris and ciliary body of albino rabbit (author's transl)] Tamura T, et al.

*Nippon Ganka Gakkai Zasshi* 82(7):517-21, 10 Jul 78 (Eng. Abstr.) (Jpn)

[Several pathogenetic factors of experimental 'indomethacin' hypertension] Sokolova RI, et al. *Biull Eksp Biol Med* 86(8):150-3, Aug 78 (Eng. Abstr.) (Rus)

[Changes in the level of cyclic nucleotides in brain tumors] Mel'nichuk PV, et al. *Zh Nevropatol Psikhiatr* 78(8):1182-4, 1978 (Eng. Abstr.) (Rus)

### ANTAGONISTS & INHIBITORS

Inhibition of the hyperglycemic effect of cAMP by intravenous injection to mice of carbonic anhydrase entrapped in liposomes. Sengupta S, et al.

*Biochem Biophys Res Commun* 82(3):795-9, 14 Jun 78

Differences in dihydroergotamine antagonism of glucose release by catecholamines, glucagon and adenosine

3',5'-monophosphate in rabbit liver slices. Chan PS, et al. *Br J Pharmacol* 63(4):593-7, Aug 78

Antagonistic action between cyclic AMP and estrogen in phosphorylation of mammary tumor nuclear proteins. Cho-chung YS, et al. *Cancer Lett* 5(4):219-24, Oct 78

Rat oocyte maturation in vitro: relief of cyclic AMP inhibition by gonadotropins. Dekel N, et al.

*Proc Natl Acad Sci USA* 75(9):4369-73, Sep 78

### BIOSYNTHESIS

Oestrogen induced Leydig cell refractoriness to gonadotrophin stimulation. Saez JM, et al.

*Acta Endocrinol (Copenh)* 89(2):379-92, Oct 78

Maturation changes in sheep ovarian follicles: gonadotrophic stimulation of cyclic AMP production by isolated theca and granulosa cells. Weiss TJ, et al.

*Acta Endocrinol (Copenh)* 89(1):166-72, Sep 78

Dopamine-mimetic activity of some aminotetralins, as revealed by the production of cyclic AMP in rabbit retina in vitro. Schorderet M, et al.

*Adv Biochem Psychopharmacol* 19:351-5, 1978

A comparison of the effects of ACTH, vasoactive intestinal peptide, and cholera toxin on adrenal cAMP and steroid synthesis Kowal J, et al. *Ann NY Acad Sci* 297:314-28, 28 Oct 77

Neurotransmitter modulation of prostaglandin E1-stimulated increases in cyclic AMP. I. Characterization of a cultured neuronal cell line in exponential growth phase. Blosser JC, et al. *Biochem Pharmacol* 27(8):1167-72, 1978

Neurotransmitter modulation of prostaglandin E1-stimulated increases in cyclic AMP. II. Characterization of a cultured neuronal cell line treated with dibutyryl cyclic AMP. Myers PR, et al. *Biochem Pharmacol* 27(8):1173-7, 1978

Effect of opioid peptides on L-noradrenaline-stimulated cyclic AMP formation in homogenates of rat cerebral cortex and hypothalamus. Tsang D, et al. *Brain Res* 152(3):521-7, 8 Sep 78

Effect of unconjugated and conjugated phenol and uraemia on the synthesis of adenosine 3' : 5' -cyclic monophosphate in rat brain homogenates. Turner GA, et al.

*Clin Sci Mol Med* 55(3):271-5, Sep 78

Effect of sodium ion on levels of cyclic adenosine 3',5'-monophosphate in guinea pig cerebral slices. Yamamoto I, et al. *Jpn J Pharmacol* 28(3):375-81, Jun 78

Catecholamine receptors and cyclic AMP formation in the central nervous system: effects of tetrahydroisoquinoline derivatives. Nimitkitpaisan Y, et al. *Life Sci* 23(4):375-82, 24 Jul 78

Subsensitivity of the rat striatal dopaminergic system after treatment with bromocriptine: effects on [3H]spiperone binding and dopamine-stimulated cyclic AMP formation. Quik M, et al. *Naunyn Schmiedebergs Arch Pharmacol* 304(2):141-5, 12 Sep 78

Calcitonin and calcium ionophores: cyclic AMP responses in cells of a human lymphoid line. Moran J, et al.

*Proc Natl Acad Sci USA* 75(8):3984-88, Aug 78

Prostaglandin I2 stimulation of granulosa cell cyclic AMP production. Goff AK, et al. *Prostaglandins* 15(5):875-9, May 78

Cyclic-AMP content in *Escherichia coli* B/b as affected by N1-(delta 2-isopentyl)adenine. Coppola S, et al. *Zentralbl Bakteriol Parasitenkd Infektionskr Hyg* 133(3):245-9, 1978

### BLOOD

Human platelet aggregation and cAMP system—cAMP level, adenyl cyclase, phosphodiesterase. Wang TY, et al.

- Ann Clin Lab Sci 8(5):403-12, Sep-Oct 78
- Urinary excretion of cyclic adenosine 3',5'-monophosphate and cyclic guanosine 3',5'-monophosphate in malignancy. Gennari C, et al. J Clin Pathol 31(8):735-41, Aug 78
- [Examinations to cAMP-levels in plasma (author's transl)] Endres P, et al. Prax Klin Pneumol 32(9):613-5, Sep 78 (Eng. Abstr.) (Ger)
- [Levels of plasma norepinephrine and cyclic nucleotides in bronchial asthmatic patients (author's transl)] Ogawa K. Nippon Kyohu Shikkan Gakkai Zasshi 16(6):397-403, Jun 78 (Eng. Abstr.) (Jpn)
- [Effect of bovine thyrotropin 'Aminon' on serum levels of triiodothyronine, thyroxine and cycl AMP] Halawa B, et al. Wiad Lek 31(12):813-6, 15 Jun 78 (Eng. Abstr.) (Pol)
- [Ratio of cyclic nucleotides in bronchial asthma] Kozhemiakin LA, et al. Vopr Okhr Materin Det 23(10):39-42, Oct 78 (Eng. Abstr.) (Rus)
- ### ISOLATION & PURIFICATION
- Inhibition of mammalian protein kinase and phosphodiesterase activities by a cyclic AMP-like compound isolated from higher plants. Wood HN, et al. Proc Natl Acad Sci USA 75(9):4301-5, Sep 78
- ### METABOLISM
- Importance of thyroid iodine and cyclic AMP, and TSH concentrations on goitre formation in rats. Berthier C, et al. Acta Endocrinol (Copenh) 89(3):567-79, Nov 78
- Cyclic AMP and cyclic GMP accumulation by isolated hamster granulosa cells stimulated by LH and FSH. Makris A, et al. Acta Endocrinol (Copenh) 89(1):173-81, Sep 78
- Myocardial cyclic nucleotide levels following coronary artery ligation. Krause EG, et al. Adv Cardiol 25:119-29, 1978
- Angiotensin II on the release of DbetaH and atrial cyclic AMP concentrations. Ackerly JA, et al. Am J Physiol 235(3):H281-8, Sep 78
- Cyclic AMP and cyclic GMP in canine peripheral lung: regulation in vivo. Barnett DB, et al. Am Rev Respir Dis 118(4):723-33, Oct 78
- Changes in rodent thyroid hormones and cyclic-AMP following treatment with pineal indolic compounds. Nir I, et al. Arch Int Physiol Biochim 86(2):353-62, May 78
- Changes in cyclic nucleotide metabolism during induced differentiation of Friend leukemic cells [proceedings] Riviere M, et al. Arch Int Physiol Biochim 86(2):451-2, May 78
- Cyclic AMP and cyclic GMP in germinating conidia of Neurospora crassa. Rosenberg G, et al. Arch Microbiol 118(1):87-90, Jul 78
- Rat osteogenic sarcoma cells: comparison of the effects of prostaglandins E1, E2, I2 (prostacyclin), 6-keto Flalpha and thromboxane B2 on cyclic AMP production and adenylate cyclase activity. Crawford A, et al. Biochem Biophys Res Commun 82(4):1195-201, 29 Jun 78
- A cell strain cultured from porcine kidney increases cyclic AMP content upon exposure to calcitonin or vasopressin. Goldring SR, et al. Biochem Biophys Res Commun 83(2):434-40, 28 Jul 78
- L-histidine induced changes in adenosine 3',5'-monophosphate levels in rat brain and amounts of apo-, holo-a and holo-b fatty acid synthetases in rat liver. Qureshi AA, et al. Biochem Biophys Res Commun 83(3):1191-7, 14 Aug 78
- Prostaglandin E1 effects on cyclic AMP and glycogen metabolism in rat liver. Sweat FW, et al. Biochem Biophys Res Commun 82(3):879-86, 14 Jun 78
- The levels of cyclic GMP and glucose 1,6-diphosphate, and the activity of phosphofructokinase, in muscle from normal and dystrophic mice. Beitner R, et al. Biochim Biophys Acta 542(3):537-41, 6 Sep 78
- Disappearance of cerebellar cyclic GMP induced by kainic acid. Biggio G, et al. Brain Res 154(1):203-8, 6 Oct 78
- Is there a second messenger for nerve growth factor-induced phosphatidylinositol turnover in rat superior cervical ganglia? Lakshmanan J. Brain Res 157(1):173-7, 17 Nov 78
- SIF cells, cyclic AMP responses, and catecholamines of the guinea pig superior cervical ganglion. Wamsley JK, et al. Brain Res 156(1):75-82, 3 Nov 78
- The effect of cholera toxin and heat labile and heat stable Escherichia coli enterotoxin on cyclic AMP concentrations in small intestinal mucosa of pig and rabbit. Hamilton DL, et al. Can J Comp Med 42(3):327-31, Jul 78
- Intracellular cyclic adenosine 3',5'-monophosphate levels and streptomycin production in cultures of Streptomyces griseus. Ragan CM, et al. Can J Microbiol 24(8):1012-5, Aug 78
- Changes in cyclic adenosine 3',5'-monophosphate levels during induction of differentiation in murine erythroleukemia cells. Gazit Y, et al. Cancer Res 38(11 Pt 1):3779-83, Nov 78
- Specific binding proteins for cyclic AMP and cyclic GMP in Dictyostelium discoideum. Rahmsdorf HJ, et al. Cell Differ 7(5):249-57, Oct 78
- New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al. Curr Top Mol Endocrinol 3:147-69, 1976 (61 ref.)
- Independent regulation of the extracellular cyclic AMP phosphodiesterase-inhibitor system and membrane differentiation by exogenous cyclic AMP in Dictyostelium discoideum. Yeh RP, et al. Dev Biol 66(2):361-74, Oct 78
- Adenosine 3',5'-monophosphate and guanosine 3',5'-monophosphate: levels and cyclase activities in liver and adipose tissue from diabetic mice (db/db). Levilliers J, et al. Eur J Biochem 88(2):323-30, 1 Aug 78
- The relationship of phosphodiesterase and cyclic AMP to the process of fluid secretion in the salivary glands of the ixodid tick Amblyomma americanum. McMullen HL, et al. Experientia 34(8):1030-31, 15 Aug 78
- The role of cyclic GMP in the action of carbamylcholine on the cycli AMP level in the dog thyroid. Champion S, et al. FEBS Lett 92(2):156-8, 15 Aug 78
- Nerve growth factor-mediated selective induction of ornithine decarboxylase in rat pheochromocytoma; a cyclic AMP-independent process. Hatanaka H, et al. FEBS Lett 92(2):313-6, 15 Aug 78
- Evidence for a cyclic nucleotide-dependant phosphorylation of retinal myosin. Hesketh JE, et al. FEBS Lett 94(2):357-60, 15 Oct 78
- Periodic cyclic AMP uptake by synchronously grown cells of Nocardia restricta and Arthrobacter globiformis. Lefebvre G, et al. FEBS Lett 93(1):55-7, 1 Sep 78
- Effects of calcium on adenylate cyclase, as part of the Ca2+-cAMP feedback in biological communication. pp. 97-133. Rodan GA.
- In: Weiss GB, ed. Calcium in drug action. New York, Plenum Press, 1978. QV 276 S989c 1977. (135 ref.)
- Induction of cyclic AMP phosphodiesterase in Blastocystis emersonii and its relation to cyclic AMP metabolism. Epstein PM, et al. J Bacteriol 135(3):968-75, Sep 78
- Control of biodegradative threonine dehydratase inducibility by cyclic AMP in energy-restricted Escherichia coli. Phillips AT, et al. J Bacteriol 135(3):828-40, Sep 78
- Cyclic AMP binding proteins and cyclic AMP-dependent protein kinase from Blastocystis emersonii. Silverman PM. J Bacteriol 135(3):976-80, Sep 78
- Cholinergic stimulation of skeletal muscle alanine and glutamine formation and release. Evidence for mediation by a nicotinic cholinergic receptor and guanosine 3',5'-monophosphate. Garber AJ, et al. J Biol Chem 253(21):7924-30, 10 Nov 78
- Circadian variations in serum glucagon and hepatic glycogen and cyclic amp concentrations. Gagliardino JJ, et al. J Endocrinol 78(2):297-8, Aug 78
- Ontogenetic studies of cyclic AMP-dependent protein kinase enzymes from mouse heart and other tissues. Malkinson AM, et al. J Exp Zool 205(3):423-31, Sep 78
- Cyclic AMP metabolism in adipose tissue of exercise-trained rats. Askew EW, et al. J Lipid Res 19(6):729-36, Aug 78
- Neurotransmitter and cyclic nucleotide modulation of frog cardiac contractility. McAfee DA, et al. J Mol Cell Cardiol 10(8):705-16, Aug 78
- The ontogeny of dopamine-dependent increase of adenosine 3',5'-cyclic monophosphate in the chick retina. De Mello FG. J Neurochem 31(4):1049-53, Oct 78
- Alterations in acetylcholine synthesis and cyclic nucleotides in mild cerebral hypoxia. Gibson GE, et al. J Neurochem 31(4):757-60, Oct 78
- Comparison of levels of adenosine 3',5'-monophosphate in highly purified and mixed primary cultures of neurons and non-neuronal cells from embryonic chick sympathetic ganglia. Wallace LJ, et al. J Neurochem 31(4):801-7, Oct 78
- Effect of sodium ion on levels of cyclic adenosine 3',5'-monophosphate in guinea pig cerebral slices. Yamamoto I, et al. Jpn J Pharmacol 28(3):375-81, Jun 78
- Regulation of cyclic GMP, cyclic AMP and lactate dehydrogenase by putative neurotransmitters in the C6 rat glioma cell line. Bottenstein JE, et al. Life Sci 23(8):821-34, 28 Aug 78
- Transmission of hormonal stimulation by cell-to-cell communication. Lawrence TS, et al. Nature 272(5653):501-6, 6 Apr 78
- Nicotinic cholinergic stimulation increases cyclic GMP levels in vertebrate skeletal muscle. Nestler EJ, et al. Nature



- 275(5679):451-3, 5 Oct 78
- Effect of L-triiodothyronine on (—)3H-dihydroalprenolol binding and cyclic AMP response to (—)adrenaline in cultured heart cells. Tsai JS, et al. *Nature* 275(5676):138-40, 14 Sep 78
- Effect of the phosphodiesterase inhibitor 4-(3-cyclopentyl-4-methoxyphenyl)-2-pyrrolidone (ZK 62711) on gastric secretion and gastric mucosal cyclic AMP. Puurunen J, et al. *Naunyn-Schmiedeberg's Arch Pharmacol* 304(1):69-75, 24 Aug 78
- Uptake and release of norepinephrine by slices of rat cerebral cortex: effect of agents that increase cyclic AMP levels. Walker JE, et al. *Neurology (Minneapolis)* 28(9 Pt 1):900-4, Sep 78
- Role of neuroleptic agents on mouse pulmonary cyclic nucleotide systems. Palmer GC, et al. *Pharmacology* 17(5):280-7, 1978
- Involvement of brain cyclic AMP in the acute and chronic effects of morphine in the rat. Salles KS, et al. *Pharmacology* 17(3):128-37, 1978
- TSH and ACTH secretion and cyclic adenosine 3',5' monophosphate content following stimulation with TRH or lysine vasopressin in vitro: suppression by thyroxine and dexamethasone. Rose JC, et al. *Proc Soc Exp Biol Med* 158(4):524-9, Sep 78
- Cyclic nucleotide levels in a human breast carcinoma transplanted into athymic nude mice. Duncan KL, et al. *Proc West Pharmacol Soc* 21:401-3, 1978
- Effects of urotensin I on the isolated rat tail artery: possible mediation of the relaxation responses by cAMP. Gerritsen ME, et al. *Proc West Pharmacol Soc* 21:249-52, 1978
- [Study of cyclic AMP in rat tissue during the phase of hypocalcemic activity of parathyroid hormone] Marnay-Gulat C, et al. *C R Soc Biol (Paris)* 172(2):225-30, 1978 (Eng. Abstr.) (Fre)
- [Theoretical bases for possible clinical use of histamine in the light of new concepts in regard to H2 receptor and cyclic AMP system] Korostovtsev DS. *Vopr Okhr Materin Det* 23(10):46-51, Oct 78 (Rus)
- ### PHARMACODYNAMICS
- Protein kinases in human renal cell carcinoma and renal cortex. A comparison of isozyme distribution and of responsiveness to adenosine 3',5'-cyclic monophosphate. Fossberg TM, et al. *Arch Biochem Biophys* 189(2):272-81, Aug 78
- Effect of acidosis on heart cAMP-dependent protein kinase. Chiappe de Mon LE, et al. *Arch Int Physiol Biochim* 86(2):277-87, May 78
- Induction of lysozyme activity by adenosine 3',5' cyclic monophosphate in cultured mouse myeloid leukemic cells. Honma Y, et al. *Biochem Biophys Res Commun* 82(4):1246-50, 29 Jun 78
- Exogenous adenosine 3',5'-monophosphate can release yeast from catabolite repression. Mahler HR, et al. *Biochem Biophys Res Commun* 83(3):1039-47, 14 Aug 78
- Occurrence of a cyclic AMP-dependent protein kinase on the outer surface of rat epididymal spermatozoa. Majumder GC. *Biochem Biophys Res Commun* 83(3):829-36, 14 Aug 78
- Inhibition of the hyperglycemic effect of cAMP by intravenous injection to mice of carbonic anhydrase entrapped in liposomes. Sengupta S, et al. *Biochem Biophys Res Commun* 82(3):795-9, 14 Jun 78
- Cyclic AMP-dependent inactivation of human liver pyruvate kinase. van den Berg GB, et al. *Biochem Biophys Res Commun* 82(3):859-64, 14 Jun 78
- Effect of adrenalectomy on acceleration of gluconeogenesis by calcium ions, adenosine 3',5'-cyclic monophosphate and adrenaline in rat kidney tubules. MacDonald DW, et al. *Biochem J* 174(2):641-6, 15 Aug 78
- Inhibitory effects of melatonin, prostaglandin E1, cyclic AMP, dibutyrylcyclic AMP and theophylline on rat seminiferous tubular contractility in vitro. Ellis LC, et al. *Biol Reprod* 19(1):217-22, Aug 78
- Actions of cyclic AMP, its butyryl derivatives and Na butyrate on the HCG output of malignant trophoblast cells in vitro. Barker H, et al. *Br J Cancer* 38(1):158-62, Jul 78
- Is there a second messenger for nerve growth factor-induced phosphatidylinositol turnover in rat superior cervical ganglia? Lakshmanan J. *Brain Res* 157(1):173-7, 17 Nov 78
- Effects of simultaneous infusions of glucagon and cyclic AMP on glomerular filtration rate in the dog. Espinosa-Meléndez E, et al. *Can J Physiol Pharmacol* 56(4):596-602, Aug 78
- Antagonistic action between cyclic AMP and estrogen in phosphorylation of mammary tumor nuclear proteins. Cho-chung YS, et al. *Cancer Lett* 5(4):219-24, Oct 78
- The cAMP signal from Dictyostelium discoideum amoebae. Grutsch JF, et al. *Dev Biol* 66(2):285-93, Oct 78
- Independent regulation of the extracellular cyclic AMP phosphodiesterase-inhibitor system and membrane differentiation by exogenous cyclic AMP in Dictyostelium discoideum. Yeh RP, et al. *Dev Biol* 66(2):361-74, Oct 78
- Adenosine 3',5'-cyclic monophosphate and enzyme induction in the perinatal rat. Di Marco PN, et al. *FEBS Lett* 94(1):183-5, 1 Oct 78
- Cyclic nucleotide-dependent phosphorylation of rat intestinal microvillus and basal-lateral membrane proteins by an endogenous protein kinase. Shlatz LJ, et al. *Gastroenterology* 75(5):838-46, Nov 78
- Comparison of calcium-activated, cyclic nucleotide-independent protein kinase and adenosine 3',5'-monophosphate-dependent protein kinase as regards the ability to stimulate glycogen breakdown in vitro. Kishimoto A, et al. *J Biochem (Tokyo)* 84(1):47-53, Jul 78
- Autophosphorylation of rabbit skeletal muscle cyclic AMP-dependent protein kinase I catalytic subunit. Chiu YS, et al. *J Biol Chem* 253(20):7145-8, 25 Oct 78
- Macrophage migration inhibition factor: interactions with calcium, magnesium, and cyclic AMP. Block LH, et al. *J Immunol* 121(4):1416-21, Oct 78
- Cyclic AMP-sensitive activation of hepatic sterol synthesis and 3-hydroxy-3-methylglutaryl coenzyme A reductase. Goodwin CD, et al. *J Lipid Res* 19(6):747-56, Aug 78
- Involvement of brain cyclic AMP in the acute and chronic effects of morphine in the rat. Salles KS, et al. *Pharmacology* 17(3):128-37, 1978
- Inhibition of mammalian protein kinase and phosphodiesterase activities by a cyclic AMP-like compound isolated from higher plants. Wood HN, et al. *Proc Natl Acad Sci USA* 75(9):4301-5, Sep 78
- Effect of cyclic nucleotides, isoproterenol and cholera toxin on DNA synthesis triggered by mitogens. Emin M, et al. *Scand J Immunol* 8(2):119-25, 1978
- [Retraction of reptilase coagulum. (Effect of cyclic dibutyryl adenosine monophosphate and prostaglandin E1) (author's transl)] Kubisz P, et al. *Bratisl Lek Listy* 70(2):173-80, Aug 78 (Eng. Abstr.) (Cze)
- [Study of cyclic AMP in rat tissue during the phase of hypocalcemic activity of parathyroid hormone] Marnay-Gulat C, et al. *C R Soc Biol (Paris)* 172(2):225-30, 1978 (Eng. Abstr.) (Fre)
- ### PHYSIOLOGY
- Role of the cAMP-dependent protein kinase as the transducer of cAMP action. Walsh DA. *Biochem Pharmacol* 27(14):1801-4, 1978 (15 ref.)
- Regulation of S49 lymphoma cell growth by cyclic adenosine 3',5'-monophosphate. Coffino P, et al. *Cancer Res* 38(11 Pt 2):4285-8, Nov 78
- Mode of action of peptide hormones. Neher R, et al. *Clin Endocrinol (Oxf)* 5 Suppl:29S-39S, 1976
- Calcium ion as second messenger. Rasmussen H, et al. *Clin Endocrinol (Oxf)* 5 Suppl:11S-27S, 1976 (65 ref.)
- Effects of calcium on adenylate cyclase, as part of the Ca<sup>2+</sup>-cAMP feedback in biological communication. pp. 97-133. Rodan GA. In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (135 ref.)
- Cholera toxin effects on fluid secretion, adenylate cyclase, and cyclic AMP in porcine small intestine. Forsyth GW, et al. *Infect Immun* 21(2):373-80, Aug 78
- The role of cyclic AMP in parathyroid hormone action in the toad bladder. Sellers BB Jr, et al. *J Membr Biol* 41(4):329-35, 18 Jul 78
- Involvement of brain cyclic AMP in the acute and chronic effects of morphine in the rat. Salles KS, et al. *Pharmacology* 17(3):128-37, 1978
- TSH and ACTH secretion and cyclic adenosine 3',5' monophosphate content following stimulation with TRH or lysine vasopressin in vitro: suppression by thyroxine and dexamethasone. Rose JC, et al. *Proc Soc Exp Biol Med* 158(4):524-9, Sep 78
- The inhibition of the mixed lymphocyte culture reaction by cyclic adenosine 3',5'-monophosphate. Sinha D, et al. *Proc Soc Exp Biol Med* 158(4):590-4, Sep 78
- Effects of urotensin I on the isolated rat tail artery: possible mediation of the relaxation responses by cAMP. Gerritsen ME, et al. *Proc West Pharmacol Soc* 21:249-52, 1978
- Application of the Sousa (John Phillip) principles to medical research: the role of cyclic nucleotides in hormone and drug action. Bransome ED Jr. *Trans Am Clin Climatol Assoc*

89:172-83, 1977 (47 ref.)

### SECRETION

- Effects of human chorionic gonadotrophin on the release of cyclic AMP and progesterone from the sheep ovary at different stages of the oestrous cycle. Weiss TJ, et al. *Acta Endocrinol (Copenh)* 89(1):158-65, Sep 78
- Stimulation of cyclic AMP secretion in Vero cells by enterotoxins of *Escherichia coli* and *Vibrio cholerae*. Stavric S, et al. *Infect Immun* 21(2):514-7, Aug 78

### URINE

- Urinary excretion of cyclic adenosine 3',5'-monophosphate and cyclic guanosine 3',5'-monophosphate in malignancy. Gennari C, et al. *J Clin Pathol* 31(8):735-41, Aug 78

## GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE

- Exchange mechanisms for hydrogen bonding protons of cytidylic and guanylic acids. McConnell B. *Biochemistry* 17(15):3168-76, 25 Jul 78

### ADMINISTRATION & DOSAGE

- Cyclic nucleotide-dependent phosphorylation of rat intestinal microvillus and basal-lateral membrane proteins by an endogenous protein kinase. Shlatz LJ, et al. *Gastroenterology* 75(5):838-46, Nov 78
- Effects of third cerebral ventricular injections of cyclic guanosine nucleotides on body temperature of cats. Clark WG. *Proc Soc Exp Biol Med* 158(4):655-7, Sep 78

### ANALOGS & DERIVATIVES

- The phosphorylation of salivary gland chromatin proteins following treatment of rats with dibutyl cyclic AMP and dibutyl cyclic GMP. Itzhaki S, et al. *Gen Pharmacol* 9(5):355-9, 1978
- 8-bromo-guanosine-3',5'-monophosphate mimics the effect of acetylcholine on slow response action potential and contractile force in mammalian atrial myocardium. Kohlhardt M, et al. *J Mol Cell Cardiol* 10(6):573-86, Jun 78
- Effects of third cerebral ventricular injections of cyclic guanosine nucleotides on body temperature of cats. Clark WG. *Proc Soc Exp Biol Med* 158(4):655-7, Sep 78

### ANALYSIS

- [Several pathogenetic factors of experimental 'indomethacin' hypertension] Sokolova RI, et al. *Biull Eksp Biol Med* 86(8):150-3, Aug 78 (Eng. Abstr.) (Rus)
- [Changes in the level of cyclic nucleotides in brain tumors] Mel'nichuk PV, et al. *Zh Nevropatol Psikhiatr* 78(8):1182-4, 1978 (Eng. Abstr.) (Rus)

### BLOOD

- [Levels of plasma norepinephrine and cyclic nucleotides in bronchial asthmatic patients (author's transl)] Ogawa K. *Nippon Kyohu Shikkan Gakkai Zasshi* 16(6):397-403, Jun 78 (Eng. Abstr.) (Jpn)
- [Ratio of cyclic nucleotides in bronchial asthma] Kozhemiakin LA, et al. *Vopr Okhr Materin Det* 23(10):39-42, Oct 78 (Eng. Abstr.) (Rus)

### METABOLISM

- Cyclic AMP and cyclic GMP accumulation by isolated hamster granulosa cells stimulated by LH and FSH. Makris A, et al. *Acta Endocrinol (Copenh)* 89(1):173-81, Sep 78
- Myocardial cyclic nucleotide levels following coronary artery ligation. Krause EG, et al. *Adv Cardiol* 25:119-29, 1978
- Cyclic AMP and cyclic GMP in canine peripheral lung: regulation in vivo. Barnett DB, et al. *Am Rev Respir Dis* 118(4):723-33, Oct 78
- Changes in cyclic nucleotide metabolism during induced differentiation of Friend leukemic cells [proceedings] Riviere M, et al. *Arch Int Physiol Biochim* 86(2):451-2, May 78
- Cyclic AMP and cyclic GMP in germinating conidia of *Neurospora crassa*. Rosenberg G, et al. *Arch Microbiol* 118(1):87-90, Jul 78
- The levels of cyclic GMP and glucose 1,6-diphosphate, and

- the activity of phosphofructokinase, in muscle from normal and dystrophic mice. Beitner R, et al. *Biochim Biophys Acta* 542(3):537-41, 6 Sep 78
- Disappearance of cerebellar cyclic GMP induced by kainic acid. Biggio G, et al. *Brain Res* 154(1):203-8, 6 Oct 78
- Specific binding proteins for cyclic AMP and cyclic GMP in *Dictyostelium discoideum*. Rahmsdorf HJ, et al. *Cell Differ* 7(5):249-57, Oct 78
- Adenosine 3',5'-monophosphate and guanosine 3',5'-monophosphate: levels and cyclase activities in liver and adipose tissue from diabetic mice (db/db). Levilliers J, et al. *Eur J Biochem* 88(2):323-30, 1 Aug 78
- The role of cyclic GMP in the action of carbamylcholine on the cycli AMP level in the dog thyroid. Champion S, et al. *FEBS Lett* 92(2):156-8, 15 Aug 78
- Induction of cyclic AMP phosphodiesterase in *Blastocladia emersonii* and its relation to cyclic AMP metabolism. Epstein PM, et al. *J Bacteriol* 135(3):968-75, Sep 78
- Cholinergic stimulation of skeletal muscle alanine and glutamine formation and release. Evidence for mediation by a nicotinic cholinergic receptor and guanosine 3',5'-monophosphate. Garber AJ, et al. *J Biol Chem* 253(21):7924-30, 10 Nov 78
- Tissue guanosine-3',5'-cyclic monophosphate levels and soluble guanylate cyclase activity: a positive correlation during unilateral cryptorchidism in the rat testis. Spruill WA, et al. *J Clin Invest* 62(3):568-76, Sep 78
- Neurotransmitter and cyclic nucleotide modulation of frog cardiac contractility. McAfee DA, et al. *J Mol Cell Cardiol* 10(8):705-16, Aug 78
- The ontogeny of dopamine-dependent increase of adenosine 3',5'-cyclic monophosphate in the chick retina. De Mello FG. *J Neurochem* 31(4):1049-53, Oct 78
- Alterations in acetylcholine synthesis and cyclic nucleotides in mild cerebral hypoxia. Gibson GE, et al. *J Neurochem* 31(4):757-60, Oct 78
- Effect of chronic treatment with neuroleptics on the content of 3',5'-cyclic guanosine monophosphate in cerebellar cortex of rats. Biggio G, et al. *Life Sci* 23(6):649-52, 14 Aug 78
- Decrease of cyclic GMP in cerebellum by intrastriatal D-Ala2-met-enkephalinamide. Biggio G, et al. *Life Sci* 23(4):335-9, 24 Jul 78
- Regulation of cyclic GMP, cyclic AMP and lactate dehydrogenase by putative neurotransmitters in the C6 rat glioma cell line. Bottenstein JE, et al. *Life Sci* 23(8):821-34, 28 Aug 78
- Effects of dopaminergic agonists and antagonists on cerebellar guanosine-3',5'-monophosphate (cGMP). Breese GR, et al. *Life Sci* 23(5):533-6, 7 Aug 78
- The effect of drugs which alter GABA-ergic function on cerebellar guanosine-3',5'-monophosphate content. Mailman RB, et al. *Life Sci* 23(6):623-7, 14 Aug 78
- Supersensitivity to the cyclic GMP response to glutamate during cerebellar maturation. Garthwaite J, et al. *Nature* 275(5678):328-9, 28 Sep 78
- Nicotinic cholinergic stimulation increases cyclic GMP levels in vertebrate skeletal muscle. Nestler EJ, et al. *Nature* 275(5679):451-3, 5 Oct 78
- An endogenous substrate for cGMP-dependent protein kinase in mammalian cerebellum. Schlichter DJ, et al. *Nature* 273(5657):61-2, 4 May 78
- Kainic acid-induced lesion of dopaminergic target cells in the striatum: consequences on the dynamics of cerebellar cGMP. Biggio G, et al. *Naunyn Schmiedeberg Arch Pharmacol* 304(1):5-7, 24 Aug 78
- Enzymatic regulation of the concentration of cyclic GMP in mouse brain. Greenberg LH, et al. *Neuropharmacology* 17(9):737-45, Sep 78
- Role of neuroleptic agents on mouse pulmonary cyclic nucleotide systems. Palmer GC, et al. *Pharmacology* 17(5):280-7, 1978
- Cyclic nucleotide levels in a human breast carcinoma transplanted into athymic nude mice. Duncan KL, et al. *Proc West Pharmacol Soc* 21:401-3, 1978

### PHARMACODYNAMICS

- Evidence for a role of sulfhydryl groups in catalytic activity and subunit interaction of the cyclic GMP-dependent protein kinase from silkworm. Rochette-Egly C, et al. *Biochim Biophys Acta* 526(1):107-15, 11 Sep 78
- Cyclic nucleotide-dependent phosphorylation of rat intestinal microvillus and basal-lateral membrane proteins by an endogenous protein kinase. Shlatz LJ, et al. *Gastroenterology* 75(5):838-46, Nov 78
- Comparison of calcium-activated, cyclic nucleotide-independent protein kinase and adenosine 3',5'-monophosphate-dependent protein kinase as regards



- the ability to stimulate glycogen breakdown in vitro.  
Kishimoto A, et al. *J Biochem (Tokyo)* 84(1):47-53,  
Jul 78
- 8-bromo-guanosine-3',5' -monophosphate mimics the effect  
of acetylcholine on slow response action potential and  
contractile force in mammalian atrial myocardium.  
Kohlhardt M, et al. *J Mol Cell Cardiol* 10(6):573-86,  
Jun 78
- Effects of third cerebral ventricular injections of cyclic  
guanosine nucleotides on body temperature of cats. Clark  
WG. *Proc Soc Exp Biol Med* 158(4):655-7, Sep 78
- Effect of cyclic nucleotides, isoproterenol and cholera toxin  
on DNA synthesis triggered by mitogens. Emin M, et al.  
*Scand J Immunol* 8(2):119-25, 1978

## PHYSIOLOGY

- Calcium ion as second messenger. Rasmussen H, et al.  
*Clin Endocrinol (Oxf)* 5 Suppl:11S-27S, 1976 (65 ref.)
- Human leucocyte migration inhibitory factor (LIF). V.  
Specific regulation of the lymphokine serine protease  
activity by 3',5'-cGMP and, possibly, 2',3'-cCMP. Bendtzen  
K. *Scand J Immunol* 8(1):53-61, 1978

## URINE

- Urinary excretion of cyclic adenosine 3',5'-monophosphate  
and cyclic guanosine 3',5'-monophosphate in malignancy.  
Gennari C, et al. *J Clin Pathol* 31(8):735-41, Aug 78





# APPENDIX

## ADENYL CYCLASE

- Properties of detergent-dispersed myocardial adenylate cyclase. Drummond GI, et al. *Arch Biochem Biophys* 189(1):63-75, Jul 78
- Solubilization of bovine corpus-luteum adenylate cyclase in lubrol-PX, triton X-100 or digitonin and the stabilizing effect of sodium fluoride present in the solubilization medium. Young JL, et al. *Biochem J* 173(3):919-24, 1 Sep 78
- [Concentration of cyclic nucleotides, activity of adenylate cyclase, 3',5'-AMP phosphodiesterase and guanylate cyclase in plasma membranes from liver and hepatomas of different degrees of malignancy] Davydova SI, et al. *Vopr Med Khim* 24(5):652-7, Sep-Oct 78 (Eng. Abstr.) (Rus)

## ANALYSIS

- Distribution of adenylate cyclase among membrane fractions of rat liver. Yunghans WN, et al. *Cytobiologie* 17(1):212-31, Jun 78
- Cyclic nucleotide-dependent phosphorylation of rat intestinal microvillus and basal-lateral membrane proteins by an endogenous protein kinase. Shlatz LJ, et al. *Gastroenterology* 75(5):838-46, Nov 78
- [Adenyl cyclase activity and the stimulation of adenosine 3',5'-cyclic monophosphate in blood vessel walls during ageing and under stress (author's transl)] Kranz D. *Aktuel Gerontol* 8(8):449-54, Aug 78 (Eng. Abstr.) (Ger)

## ANTAGONISTS & INHIBITORS

- Structure-binding-activity analysis of beta-adrenergic amines—II. Binding to the beta receptor and inhibition of adenylate cyclase. Bilezikian JP, et al. *Biochem Pharmacol* 27(10):1455-61, 15 May 78
- The dopamine-sensitive adenylate cyclase of the rat caudate nucleus—3. The effect of aporphines and protoberberines. Sheppard H, et al. *Biochem Pharmacol* 27(8):1113-6, 1978
- Studies of fluoride-preactivated rabbit liver adenylate cyclase. Schmidt JJ, et al. *Biochim Biophys Acta* 526(1):276-88, 11 Sep 78
- Stable cholinergic-muscarinic inhibition of rat parotid adenylate cyclase. Oron Y, et al. *FEBS Lett* 94(2):331-4, 15 Oct 78
- An endogenous inhibitor of erythrocyte membrane (Ca<sup>2+</sup> + Mg<sup>2+</sup>)-ATPase. Au KS. *Int J Biochem* 9(7):477-80, 1978
- Serotonin sensitive adenylate cyclase activity in monkey anterior limbic cortex: antagonism by molindone and other antipsychotic drugs. Ahn HS, et al. *Life Sci* 23(5):507-11, 7 Aug 78
- Influence of lithium on dopamine-stimulated adenylate cyclase activity in rat brain. Geisler A, et al. *Life Sci* 23(6):635-6, 14 Aug 78
- Effects on striatal and mesolimbic dopamine systems of a new potential antipsychotic drug -mezilamine- with weak cataleptogenic properties. Uzan A, et al. *Life Sci* 23(3):261-73, 17 Jul 78

## BIOSYNTHESIS

- Changes in adenylate cyclase activity during erythroid differentiation of Friend erythroleukemic cells [proceedings] Guyaux M, et al. *Arch Int Physiol Biochim* 86(2):428-9, May 78

## BLOOD

- Human platelet aggregation and cAMP system—cAMP level, adenylyl cyclase, phosphodiesterase. Wang TY, et al. *Ann Clin Lab Sci* 8(5):403-12, Sep-Oct 78
- Coupling of a single adenylate cyclase to two receptors: adenosine and catecholamine. Tolkovsky AM, et al. *Biochemistry* 17(18):3811-7, 5 Sep 78
- Mode of coupling between the beta-adrenergic receptor and adenylate cyclase in turkey erythrocytes. Tolkovsky AM, et al. *Biochemistry* 17(18):3795, 5 Sep 78
- Cytochemical localization of adenylate cyclase and of calcium ion, magnesium ion-activated ATPases in the dense tubular system of human blood platelets. Cutler L, et al. *Biochim Biophys Acta* 542(3):357-71, 6 Sep 78
- Cyclic nucleotides and aggregation in platelets of spontaneously hypertensive rats. Hamet P, et al. *Circ Res* 43(4):583-91, Oct 78
- Protein kinase and adenylate cyclase of erythrocyte membrane from patients with Duchenne muscular dystrophy. Fischer S, et al. *Clin Chim Acta* 88(3):437-40, 15 Sep 78
- The effect of age on beta-adrenergic receptors and adenylate cyclase activity in rat erythrocytes. Bilezikian JP, et al. *Life Sci* 23(3):253-9, 17 Jul 78

## GENETICS

- Cyclic AMP and cyclic GMP in germinating conidia of *Neurospora crassa*. Rosenberg G, et al. *Arch Microbiol* 118(1):87-90, Jul 78

## ISOLATION & PURIFICATION

- Properties of detergent-dispersed myocardial adenylate cyclase. Drummond GI, et al. *Arch Biochem Biophys* 189(1):63-75, Jul 78

## METABOLISM

- The distribution of hormone-sensitive adenylate cyclase in rat kidney and the interaction of hormones in activating the enzyme. Nagata N, et al. *Acta Endocrinol (Copenh)* 89(2):404-16, Oct 78
- Vascular dopamine receptor as a model for other dopamine receptors. Goldberg LI. *Adv Biochem Psychopharmacol* 19:119-29, 1978 (46 ref.)
- Dopaminergic receptor activity in substantia nigra in the mechanisms of autoregulation of striatal dopamine release. Groppetti A, et al. *Adv Biochem Psychopharmacol* 19:363-71, 1978
- Dopamine-sensitive adenylate cyclase: a receptor mechanism for dopamine. Kebabian JW. *Adv Biochem Psychopharmacol* 19:131-54, 1978 (79 ref.)
- Studies on the pharmacological properties of dopamine receptors in various areas of the central nervous system. Spano PF, et al. *Adv Biochem Psychopharmacol* 19:155-65, 1978 (44 ref.)
- Dopamine receptor mechanisms: behavioral and electrophysiological studies. Ungerstedt U, et al. *Adv Biochem Psychopharmacol* 19:311-21, 1978
- Biochemical and pharmacological studies on dopamine receptors. Woodruff GN. *Adv Biochem Psychopharmacol* 19:89-118, 1978 (110 ref.)
- Lithium-induced diuretic effect of antidiuretic hormone in rats. Dousa TP, et al. *Am J Physiol* 231(6):1754-9, Dec 76
- Preparation and characterization of biologically active iodo- and [3H]secretin. Lin JT, et al. *Anal Biochem* 88(2):587-97, 1 Aug 78
- A comparison of the effects of ACTH, vasoactive intestinal peptide, and cholera toxin on adrenal cAMP and steroid

- synthesis Kowal J, et al. *Ann NY Acad Sci* 297:314-28, 28 Oct 77
- ACTH receptors and the effect of ACTH on adrenal organelles. Ontjes DA, et al. *Ann NY Acad Sci* 297:295-313, 28 Oct 77
- Adenylate cyclase in polyacrylamide gel electrophoresis: solubilized but active. Newby AC, et al. *Arch Biochem Biophys* 190(1):109-17, Sep 78
- Rat osteogenic sarcoma cells: comparison of the effects of prostaglandins E1, E2, I2 (prostaglandin), 6-keto Flalpha and thromboxane B2 on cyclic AMP production and adenylate cyclase activity. Crawford A, et al. *Biochem Biophys Res Commun* 82(4):1195-201, 29 Jun 78
- ACTH-induced refractoriness in cultured adrenal cell line (Y1). Morera AM, et al. *Biochem Biophys Res Commun* 83(4):1553-60, 29 Aug 78
- Prostaglandin E1 effects on cyclic AMP and glycogen metabolism in rat liver. Sweat FW, et al. *Biochem Biophys Res Commun* 82(3):879-86, 14 Jun 78
- The activity of glucagon-stimulated adenylate cyclase from rat liver plasma membranes is modulated by the fluidity of its lipid environment. Dipple I, et al. *Biochem J* 174(1):179-90, 15 Jul 78
- Altered function of adenylate cyclase in the myocardium of the spontaneously hypertensive rat. Bhalla RC, et al. *Biochem Pharmacol* 27(15):1967-71, 1978
- Structure-binding-activity analysis of beta-adrenergic amines—I. Binding to the beta receptor and activation of adenylate cyclase. Bilezikian JP, et al. *Biochem Pharmacol* 27(10):1445-54, 15 May 78
- Effects of some derivatives of 2-aminotetralin on dopamine-sensitive adenylate cyclase and on the binding of (3H)haloperidol to neuroleptic receptors in the rat striatum. Cannon JG, et al. *Biochem Pharmacol* 27(10):1417-20, 15 May 78
- Cardiac adenylate cyclase, cyclic nucleotide phosphodiesterase and lactate dehydrogenase in normotensive and spontaneously hypertensive rats. Hodgins DS, et al. *Biochem Pharmacol* 27(8):1179-85, 1978
- The alpha adrenergic receptor mediated increase in guinea-pig liver glycogenolysis. Osborn D. *Biochem Pharmacol* 27(9):1315-20, 1 May 78
- Effect of membrane phospholipid compositional changes on adenylate cyclase in LM cells. Engelhard VH, et al. *Biochemistry* 17(16):3191-200, 8 Aug 78
- Modification of the arginines in parathyroid hormone: effect on biological activity. Rosenblatt M, et al. *Biochemistry* 17(16):3188-91, 8 Aug 78
- Insulin action on *Escherichia coli*. Regulation of the adenylate cyclase and phosphotransferase enzymes. Abou-Sabe' M, et al. *Biochim Biophys Acta* 542(3):442-55, 6 Sep 78
- Dissociation of beta-adrenergic receptors from hormone responsiveness during maturation of the rat reticulocyte. Bilezikian JP. *Biochim Biophys Acta* 542(2):263-73, 17 Aug 78
- Studies of fluoride-activated rabbit liver adenylate cyclase. Schmidt JJ, et al. *Biochim Biophys Acta* 526(1):276-88, 11 Sep 78
- Hormone responsiveness of adenylate cyclase activity of cultured myogenic cells. Wahrman JP, et al. *Biochimie* 60(4):361-4, 1978
- The role of prostaglandins in the study of intestinal water and electrolyte transport in man. Matuchansky C, et al. *Biomedicine* 28(3):143-8, May-Jun 78 (42 ref.)
- Presence of hormonally-sensitive adenylate cyclase receptors in capillary-enriched fractions from rat cerebral cortex. Baca GM, et al. *Blood Vessels* 15(5):286-98, 1978
- Stimulation of adenylate cyclase activity in monkey anterior limbic cortex by serotonin. Ahn HS, et al. *Brain Res* 153(3):636-40, 29 Sep 78
- Adenylate cyclase in isolated *Helix* and *Aplysia* neuronal cell bodies: stimulation by serotonin and peptide-containing extract. Levitan IB. *Brain Res* 154(2):404-8, 13 Oct 78
- Topographical distribution of dopaminergic innervation and dopaminergic receptors of the anterior cerebral cortex of the rat. Tassin JP, et al. *Brain Res* 154(2):241-51, 13 Oct 78
- Uptake and release of [3H]dopamine and dopamine-sensitive adenylate cyclase activity in retinal synaptosomal fractions. Thomas TN, et al. *Brain Res* 155(2):391-6, 27 Oct 78
- SIF cells, cyclic AMP responses, and catecholamines of the guinea pig superior cervical ganglion. Wamsley JK, et al. *Brain Res* 156(1):75-82, 3 Nov 78
- Hormone receptors and cyclic nucleotide metabolism in cancer cells. Martin TJ, et al. *Clin Endocrinol (Oxf)* 5 Suppl:373S-386S, 1976 (57 ref.)
- Calcium ion as second messenger. Rasmussen H, et al. *Clin Endocrinol (Oxf)* 5 Suppl:11S-27S, 1976 (65 ref.)
- Cellular interactions between vasopressin and prostaglandins in the mammalian kidney. Dousa TP, et al. *Contrib Nephrol* 12:106-15, 1978 (55 ref.)
- Different hormonal target sites along the mouse and rabbit nephrons. Chabardès D, et al. *Curr Probl Clin Biochem* 8:447-54, 23-26 Oct 77
- Distribution of adenylate cyclase among membrane fractions of rat liver. Yunghans WN, et al. *Cytohologie* 17(1):212-31, Jun 78
- Adenosine 3':5'-monophosphate and guanosine 3':5'-monophosphate: levels and cyclase activities in liver and adipose tissue from diabetic mice (db/db). Levilliers J, et al. *Eur J Biochem* 88(2):323-30, 1 Aug 78
- Increased adenylate cyclase activity and rapid weight loss following intraseptal injection of cholera toxin. Neckers LM, et al. *Eur J Pharmacol* 51(2):141-4, 15 Sep 78
- The central effects of a novel dopamine agonist. Setler PE, et al. *Eur J Pharmacol* 50(4):419-30, 15 Aug 78
- Effects of adenosine 5'-phosphate esters with lipid hydroxy compounds (adenosine nucleolipids) on the activity of enzymes of cyclic AMP system. Hynie S, et al. *FEBS Lett* 94(2):339-41, 15 Oct 78
- Deactivation of persistently activated pancreatic adenylate cyclase. Evidence of uncoupling of hormone receptors and enzyme effector in the persistently activated state, and of the presence of two guanyl nucleotide regulatory sites. Svoboda M, et al. *FEBS Lett* 92(2):351-6, 15 Aug 78
- Cyclic nucleotide-dependent phosphorylation of rat intestinal microvilli and basal-lateral membrane proteins by an endogenous protein kinase. Shlatz LJ, et al. *Gastroenterology* 75(5):838-46, Nov 78
- Effects of calcium on adenylate cyclase, as part of the Ca<sup>2+</sup>-cAMP feedback in biological communication. pp. 97-133. Rodan GA. In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (135 ref.)
- Physiology of diarrhea—small intestines. Whipp SC. *J Am Vet Med Assoc* 173(5 Pt 2):662-6, 1 Sep 78 (70 ref.)
- Genetic evidence that cholera toxin substrates are regulatory components of adenylate cyclase. Johnson GL, et al. *J Biol Chem* 253(20):7120-3, 25 Oct 78
- Cyclic AMP metabolism in adipose tissue of exercise-trained rats. Askew EW, et al. *J Lipid Res* 19(6):729-36, Aug 78
- Effects of insulin on the adenylate cyclase activity of isolated fat cell membranes. Torres HN, et al. *J Membr Biol* 43(1):1-18, 29 Sep 78
- Kinetic studies of adenylate cyclase of fat cell membranes. II. Comparison of activities measured in the presence of Mn++-AMP-P(NH)P and Mg++-AMP-P(NH)P. Effects of insulin, fluoride, isoproterenol, and GMP-P(NH)P. Torres HN, et al. *J Membr Biol* 43(1):45-69, 29 Sep 78
- Kinetic studies of adenylate cyclase of fat cell membranes. I. Comparisons of activities measured in the presence of Mg++-ATP and Mn++-ATP. Effects of insulin, GMP-P(NH)P, isoproterenol, and fluoride. Torres HN, et al. *J Membr Biol* 43(1):19-44, 29 Sep 78
- The ontogeny of dopamine-dependent increase of adenosine 3',5'-cyclic monophosphate in the chick retina. De Mello FG. *J Neurochem* 31(4):1049-53, Oct 78
- The effect of bromocriptine on rat striatal adenylate cyclase and rat brain monoamine metabolism. Markstein R, et al. *J Neurochem* 31(5):1163-72, Nov 78
- Inhibition of dopamine-sensitive adenylate cyclase in rat striatum by neuroleptic drugs administered in vivo. Nakahara T, et al. *J Neurochem* 31(5):1335-7, Nov 78
- Subcellular localization of dopamine-sensitive adenylate cyclase and dopamine receptor binding activities. Clement-Courmier Y, et al. *Life Sci* 23(6):539-43, 14 Aug 78
- Effects of neuroleptics on 3H-haloperidol and 3H-cis(Z)-flupenthixol binding and on adenylate cyclase activity in vitro. Hyttel J. *Life Sci* 23(6):551-5, 14 Aug 78
- A behavioural and biochemical comparison of dopamine receptor blockade produced by haloperidol with that produced by substituted benzamide drugs. Jenner P, et al. *Life Sci* 23(6):545-9, 14 Aug 78
- Multiple classes of dopamine receptors in mammalian central nervous system: the involvement of dopamine-sensitive adenylate cyclase. Keibian JW. *Life Sci* 23(5):479-83, 7 Aug 78 (33 ref.)
- Chemical lesion and drug induced supersensitivity and subsensitivity of caudate dopamine receptors. Mishra RK, et al. *Life Sci* 23(5):443-6, 7 Aug 78
- 5' Guanylyl-imidodiphosphate actions on adenylate cyclase in homogenates of rat cerebral cortex plus neuronal and capillary fractions. Palmer GC, et al. *Life Sci* 23(3):207-15, 17 Jul 78
- Effects of bromocriptine on 3H-spiroperidol binding sites in rat striatum. Evidence for actions of dopamine receptors not linked to adenylate cyclase. Schwarcz R, et al. *Life Sci* 23(5):465-9, 7 Aug 78



3H-Spiroperidol binding and dopamine-stimulated adenylate cyclase: evidence for multiple classes of receptors in primate brain regions. Thal LJ, et al. *Life Sci* 23(6):629-33, 14 Aug 78

Adenylate cyclase in a fibroblast mutant defective in glycolipid and glycoprotein synthesis. Anderson WB, et al. *Nature* 275(5677):223-4, 21 Sep 78

Effect of L-triiodothyronine on (--)3H-dihydroalprenolol binding and cyclic AMP response to (--)adrenaline in cultured heart cells. Tsai JS, et al. *Nature* 275(5676):138-40, 14 Sep 78

Kainic acid-induced lesion of dopaminergic target cells in the striatum: consequences on the dynamics of cerebellar cGMP. Biggio G, et al.

Naunyn Schmiedeberg's Arch Pharmacol 304(1):5-7, 24 Aug 78

Subsensitivity of the rat striatal dopaminergic system after treatment with bromocriptine: effects on [3H]spiperone binding and dopamine-stimulated cyclic AMP formation. Quik M, et al. Naunyn Schmiedeberg's Arch Pharmacol 304(2):141-5, 12 Sep 78

Soluble bovine adrenal cortex guanylate cyclase: effect of sodium nitroprusside, nitrosamines, and hydrophobic ligands on activity, substrate specificity and cation requirement. Struck CJ, et al. Naunyn Schmiedeberg's Arch Pharmacol 304(1):51-61, 24 Aug 78

Noradrenaline sensitive adenylate cyclase in rat cerebral cortex: effects of antidepressant drugs. Jones RS. *Neuropharmacology* 17(9):771-4, Sep 78

Effects of insulin on glucagon action in rat liver. *Nutr Rev* 36(8):260-2, Aug 78

Role of neuroleptic agents on mouse pulmonary cyclic nucleotide systems. Palmer GC, et al. *Pharmacology* 17(5):280-7, 1978

Mechanism of adenylate cyclase activation through the beta-adrenergic receptor: catecholamine-induced displacement of bound GDP by GTP. Cassel D, et al. *Proc Natl Acad Sci USA* 75(9):4155-9, Sep 78

Properties of the interaction of fluoride- and guanylyl-5'-imidodiphosphate-regulatory proteins with adenylate cyclase. Hebdon M, et al.

*Proc Natl Acad Sci USA* 75(8):3693-7, Aug 78

Isolation of an avian erythrocyte protein possessing ADP-ribosyltransferase activity and capable of activating adenylate cyclase. Moss J, et al.

*Proc Natl Acad Sci USA* 75(8):3621-4, Aug 78

Development of parathyroid hormone- and calcitonin-activated adenylate cyclases in embryonic chicken limb and in cultured cells from embryonic chicken limb. Zull JE, et al. *Proc Natl Acad Sci USA* 75(8):3871-5, Aug 78

[The activation of membrane bound adenylate cyclases by culture filtrates of certain *Escherichia coli* strains] Scheffelt JM, et al. *C R Acad Sci [D] (Paris)* 286(24):1811-2, 19 Jun 78 (Fre)

[Hormone receptors and their action mechanism (peptide hormones and catecholamines)] Yamashita K. *Nippon Rinsho Suppl*:1504-5, May 78 (Jpn)

## PHYSIOLOGY

Cholera toxin effects on fluid secretion, adenylate cyclase, and cyclic AMP in porcine small intestine. Forsyth GW, et al. *Infect Immun* 21(2):373-80, Aug 78

[Pathogenesis of psoriasis in the light of current theories on the regulation of mitosis of epithelial cells] Frolov EP, et al. *Vestn Dermatol Venerol* (7):52-8, Jul 78 (52 ref.) (Rus)

## RADIATION EFFECTS

Action in vitro and in vivo of chlorpromazine and haloperidol on cyclic nucleotide systems in mouse cerebral cortex and cerebellum. Palmer GC, et al. *Neuropharmacology* 17(7):491-8, Jul 78

## SECRETION

The regulation of skeletal muscle alanine and glutamine formation and release in experimental chronic uremia in the rat: subsensitivity of adenylate cyclase and amino acid release to epinephrine and serotonin. Garber AJ. *J Clin Invest* 62(3):633-41, Sep 78

## GUANYL CYCLASE

[Concentration of cyclic nucleotides, activity of adenylate cyclase, 3',5'-AMP phosphodiesterase and guanylate cyclase

in plasma membranes from liver and hepatomas of different degrees of malignancy] Davydova Sla, et al. *Vopr Med Khim* 24(5):652-7, Sep-Oct 78 (Eng. Abstr.) (Rus)

## ANALYSIS

Cyclic nucleotide-dependent phosphorylation of rat intestinal microvillus and basal-lateral membrane proteins by an endogenous protein kinase. Shlatz LJ, et al. *Gastroenterology* 75(5):838-46, Nov 78

## ANTAGONISTS & INHIBITORS

Factors affecting the activity of guanylate cyclase in lysates of human blood platelets. Adams AF, et al. *Biochem J* 174(1):23-35, 15 Jul 78

Nicotine decreases guanylate cyclase activity. Vesely DL, et al. *Bull Environ Contam Toxicol* 20(1):31-4, Jul 78

## BLOOD

Factors affecting the activity of guanylate cyclase in lysates of human blood platelets. Adams AF, et al. *Biochem J* 174(1):23-35, 15 Jul 78

## ISOLATION & PURIFICATION

Purification and properties of guanylate cyclase from the synaptosomal soluble fraction of rat brain. Nakane M, et al. *Biochim Biophys Acta* 525(1):275-85, 7 Jul 78

## METABOLISM

Oxidative activation of guinea pig splenic cell guanylate cyclase activity by dehydroascorbate, ascorbate, fatty acid hydroperoxides and prostaglandin endoperoxides. Goldberg ND, et al. *Adv Enzyme Regul* 16:165-91, 3-4 Oct 77

Activation of kidney guanylate cyclase by cobalt. Tsai SC, et al. *Arch Biochem Biophys* 189(1):155-60, Jul 78

Electron spin resonance study of the role of nitrosyl-heme in the activation of guanylate cyclase by nitrosoguanidine and related agonists. DeRubertis FR, et al.

*Biochem Biophys Res Commun* 83(1):158-67, 14 Jul 78

Stimulation of guanylate cyclase activity in cultured osteogenic murine calvarial mesenchymal cells by PTH, calcitonin and insulin. Walling MW, et al.

*Biochem Biophys Res Commun* 83(2):521-7, 28 Jul 78

Purification and properties of guanylate cyclase from the synaptosomal soluble fraction of rat brain. Nakane M, et al. *Biochim Biophys Acta* 525(1):275-85, 7 Jul 78

Calcium ion as second messenger. Rasmussen H, et al.

*Clin Endocrinol (Oxf)* 5 Suppl:11S-27S, 1976 (65 ref.)

Adenosine 3':5'-monophosphate and guanosine

3':5'-monophosphate: levels and cyclase activities in liver

and adipose tissue from diabetic mice (db/db). Levilliers

J, et al. *Eur J Biochem* 88(2):323-30, 1 Aug 78

Cyclic nucleotide-dependent phosphorylation of rat intestinal microvillus and basal-lateral membrane proteins by an endogenous protein kinase. Shlatz LJ, et al.

*Gastroenterology* 75(5):838-46, Nov 78

Activation of soluble splenic cell guanylate cyclase by prostaglandin endoperoxides and fatty acid hydroperoxides.

Graff G, et al. *J Biol Chem* 253(21):7662-76, 10 Nov 78

Tissue guanosine-3',5'-cyclic monophosphate levels and soluble guanylate cyclase activity: a positive correlation during unilateral cryptorchidism in the rat testis. Spruill WA, et al. *J Clin Invest* 62(3):568-76, Sep 78

Guanylate cyclases in CNS: enzymatic characteristics of soluble and particulate enzymes from mouse cerebellum and retina. Troyer EW, et al. *J Neurochem* 31(4):825-33, Oct 78

Guanylate cyclase activity in normal and diseased human muscle. Cerri C, et al. *J Neurol Neurosurg Psychiatry* 41(9):805-8, Sep 78

Soluble bovine adrenal cortex guanylate cyclase: effect of sodium nitroprusside, nitrosamines, and hydrophobic ligands on activity, substrate specificity and cation requirement. Struck CJ, et al. Naunyn Schmiedeberg's Arch Pharmacol 304(1):51-61, 24 Aug 78

Enzymatic regulation of the concentration of cyclic GMP in mouse brain. Greenberg LH, et al. *Neuropharmacology* 17(9):737-45, Sep 78

Activation of guanylate cyclase by arachidonic acid in mammary gland homogenates from mice. Rillema JA. *Prostaglandins* 15(5):857-65, May 78

## PHYSIOLOGY

Calcium-dependent discharge of secretory proteins in guinea

pig pancreatic lobules. Scheele GA, et al.  
Ann NY Acad Sci 307:648-52, 28 Apr 78

## HORMONES, ECTOPIC

### BIOSYNTHESIS

- Ectopic hormone production by bronchial carcinomas in culture. Ellison ML, et al. Clin Endocrinol (Oxf) 5 Suppl:397S-406S, 1976
- Ectopic insulin and Occam's razor: reappraisal of the riddle of tumour hypoglycaemia. Skrabanek P, et al. Clin Endocrinol (Oxf) 9(2):141-54, Aug 78 (123 ref.)
- Ectopic hormone production by tumours [news] Shields R. Nature 272(5653):494, 6 Apr 78
- [Ectopic hormone-producing tumor—current concepts] Abe K. Nippon Rinsho Suppl:1516-7, May 78 (Jpn)
- [New gastrointestinal hormones—clinical studies of disorders of hormone production] Ishimori A. Nippon Rinsho Suppl:2094-5, May 78 (Jpn)
- [Hormone-producing tumor of the lung] Matsuda M. Nippon Rinsho Suppl:1916-7, May 78 (Jpn)
- [Ectopic ACTH-producing syndrome] Ogihara T, et al. Nippon Rinsho Suppl:1518-9, May 78 (Jpn)
- [Functioning tumors with special reference to ectopic hormone producing tumors (author's transl)] Imura H, et al. Tanpakushitsu Kakusan Koso 23(6):641-56, May 78 (67 ref.) (Jpn)

### BLOOD

Dermatology: cutaneous manifestations of malignancy. Staughton RC. Br J Hosp Med 20(1):38-47, Jul 78

### GENETICS

Concepts in ectopic hormone production. Rees LH. Clin Endocrinol (Oxf) 5 Suppl:363S-372S, 1976 (58 ref.)

### IMMUNOLOGY

[Functioning tumors with special reference to ectopic hormone producing tumors (author's transl)] Imura H, et al. Tanpakushitsu Kakusan Koso 23(6):641-56, May 78 (67 ref.) (Jpn)

### METABOLISM

Cancer: somatic-genetic considerations. Burnet FM. Adv Cancer Res 28:1-29, 1978 (96 ref.)

Ectopic hormone production by bronchial carcinomas in culture. Ellison ML, et al. Clin Endocrinol (Oxf) 5 Suppl:397S-406S, 1976

Concepts in ectopic hormone production. Rees LH. Clin Endocrinol (Oxf) 5 Suppl:363S-372S, 1976 (58 ref.)

### SECRETION

Small cell carcinoma of the lung: serum calcitonin and serum histaminase (diamine oxidase) at basal levels and stimulated by pentagastrin. Hansen M, et al. Acta Med Scand 204(4):257-61, 1978

Ectopic secretion of calcitonin. Mulder H, et al. Acta Med Scand 204(4):253-6, 1978

ACTH as a tumor marker. Rees LH, et al. Ann NY Acad Sci 297:603-20, 28 Oct 77

Unifying concept of non-pituitary ACTH-secreting tumors: evidence of common origin of neural-crest tumors, carcinoids, and oat-cell carcinomas. Skrabanek P, et al. Cancer 42(3):1263-9, Sep 78 (0 ref.)

The ectopic secretion of calcitonin by lung and breast carcinomas. Coombes RC, et al. Clin Endocrinol (Oxf) 5 Suppl:387S-396S, 1976

Concepts in ectopic hormone production. Rees LH. Clin Endocrinol (Oxf) 5 Suppl:363S-372S, 1976 (58 ref.)

Electron microscopy of neoplasms of pancreatic islet cells. Feiner H. J Dermatol Surg Oncol 4(10):751-7, Oct 78

Small cell bronchogenic carcinoma: a distinct clinicopathologic entity. Cohen MH, et al. Semin Oncol 5(3):234-43, Sep 78 (69 ref.)

Tumor products and potential markers in small cell lung cancer Richardson RL, et al. Semin Oncol 5(3):253-62, Sep 78 (79 ref.)

Small cell carcinoma of the lung: cellular origin and relationship to other neoplasms. Tischler AS. Semin Oncol 5(3):244-52, Sep 78 (79 ref.)

[Virilism due to an adrenal medullary tumor with ectopic ACTH syndrome (author's transl)] Kley HK, et al.

Klin Wochenschr 53(7):321-7, 1 Apr 75 (Ger)

[Malignant insulino-gastrino-somatostatinoma (author's transl)] Fujiya H, et al. Horumon To Rinsho 26(6):591-3, Jun 78 (Jpn)

[Functioning tumors with special reference to ectopic hormone producing tumors (author's transl)] Imura H, et al. Tanpakushitsu Kakusan Koso 23(6):641-56, May 78 (67 ref.) (Jpn)

[Accuracy and limitation of morphology in cancer diagnosis and biology (author's transl)] Shimamoto Y. Tanpakushitsu Kakusan Koso 23(6):480-9, May 78 (40 ref.) (Jpn)

[Dyshormonal tumors (a review of the literature)] Lekhtman MN. Zdravookhr Kirg (5):51-8, Sep-Oct 78 (Rus)

## NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

### DIAGNOSIS

ACTH as a tumor marker. Rees LH, et al. Ann NY Acad Sci 297:603-20, 28 Oct 77

### DRUG THERAPY

Bromocriptine in pituitary tumours [letter] Corenblum B. Lancet 2(8093):786, 7 Oct 78

### ETIOLOGY

[Dyshormonal tumors (a review of the literature)] Lekhtman MN. Zdravookhr Kirg (5):51-8, Sep-Oct 78 (Rus)

### FAMILIAL & GENETIC

Concepts in ectopic hormone production. Rees LH. Clin Endocrinol (Oxf) 5 Suppl:363S-372S, 1976 (58 ref.)

### METABOLISM

Concepts in ectopic hormone production. Rees LH. Clin Endocrinol (Oxf) 5 Suppl:363S-372S, 1976 (58 ref.)

[Ectopic hormone-producing tumor—current concepts] Abe K. Nippon Rinsho Suppl:1516-7, May 78 (Jpn)

[Ectopic ACTH-producing syndrome] Ogihara T, et al. Nippon Rinsho Suppl:1518-9, May 78 (Jpn)

### SECRETION

ACTH as a tumor marker. Rees LH, et al. Ann NY Acad Sci 297:603-20, 28 Oct 77

Concepts in ectopic hormone production. Rees LH. Clin Endocrinol (Oxf) 5 Suppl:363S-372S, 1976 (58 ref.)

A defect in catecholamine neurons in patients with prolactin-secreting pituitary adenoma. Van Loon GR. Lancet 2(8095):868-71, 21 Oct 78

[Dyshormonal tumors (a review of the literature)] Lekhtman MN. Zdravookhr Kirg (5):51-8, Sep-Oct 78 (Rus)

## NERVE GROWTH FACTOR

Herpes simplex virus replication in pheochromocytoma cell line that responds to nerve growth factor. Pizer LI, et al. Acta Neuropathol (Berl) 44(1):9-14, 13 Oct 78

Maternal effect in central neurofibromatosis [letter] Kanter WR, et al. Lancet 2(8095):903, 21 Oct 78

### ADMINISTRATION & DOSAGE

Effect of tumor promoters on the response of cultured embryonic chick ganglia to nerve growth factor. Ishii DN. Cancer Res 38(11 Pt 1):3886-93, Nov 78

### ANTAGONISTS & INHIBITORS

Effect of tumor promoters on the response of cultured embryonic chick ganglia to nerve growth factor. Ishii DN. Cancer Res 38(11 Pt 1):3886-93, Nov 78

### BLOOD

Levels of serum nerve growth factor in schizophrenia. Perez-Polo JR, et al. Birth Defects 14(5):311-21, 1978

Nerve growth factor in mouse and rat serum: correlation between bioassay and radioimmunoassay determinations.



Suda K, et al. *Proc Natl Acad Sci USA* 75(8):4042-6, Aug 78

## IMMUNOLOGY

Nerve growth factor induced turnover of phosphatidylinositol in rat superior cervical ganglia. Lakshmanan J. *Biochem Biophys Res Commun* 82(3):767-75, 14 Jun 78

Nerve growth factor in mouse and rat serum: correlation between bioassay and radioimmunoassay determinations. Suda K, et al. *Proc Natl Acad Sci USA* 75(8):4042-6, Aug 78

## ISOLATION &amp; PURIFICATION

Nerve growth factor in mouse saliva. Rapid isolation procedures for and characterization of 7 S nerve growth factor. Burton LE, et al. *J Biol Chem* 253(21):7807-12, 10 Nov 78

## METABOLISM

Ectopic insulin and Occam's razor: reappraisal of the riddle of tumour hypoglycaemia. Skrabanek P, et al. *Clin Endocrinol (Oxf)* 9(2):141-54, Aug 78 (123 ref.)

## PHARMACODYNAMICS

The permissive effect of cortical steroids on the induction of brain ornithine decarboxylase by nerve growth factor. Ikeno T, et al. *Biochem Biophys Res Commun* 82(3):957-63, 14 Jun 78

Nerve growth factor induced turnover of phosphatidylinositol in rat superior cervical ganglia. Lakshmanan J. *Biochem Biophys Res Commun* 82(3):767-75, 14 Jun 78

Selective enzyme induction in a nerve growth factor-responsive pheochromocytoma cell line (PC 12). Edgar DH, et al. *Brain Res* 154(1):186-90, 6 Oct 78

Is there a second messenger for nerve growth factor-induced phosphatidylinositol turnover in rat superior cervical ganglia? Lakshmanan J. *Brain Res* 157(1):173-7, 17 Nov 78

NGF-induced alterations in protein secretion and substrate-attached material of a clonal nerve cell line. Schubert D. *Brain Res* 155(1):196-200, 20 Oct 78

Factors regulating development of an embryonic mouse sympathetic ganglion. Coughlin MD, et al. *Dev Biol* 66(2):513-28, Oct 78

Nerve growth factor-mediated selective induction of ornithine decarboxylase in rat pheochromocytoma; a cyclic AMP-independent process. Hatanaka H, et al. *FEBS Lett* 92(2):313-6, 15 Aug 78

Nerve growth factor induced phosphatidylinositol turnover effect of 6-hydroxydopamine treatment. Lakshmanan J. *FEBS Lett* 92(2):159-62, 15 Aug 78

Nerve growth factor prevents the death and stimulates the neuronal differentiation of clonal PC12 pheochromocytoma cells in serum-free medium. Greene LA. *J Cell Biol* 78(3):747-55, Sep 78

Nerve growth factor-mediated induction of tyrosine hydroxylase in a clonal pheochromocytoma cell line. Goodman R, et al. *Proc Natl Acad Sci USA* 75(9):4587-90, Sep 78

## PHYSIOLOGY

Myocardial hypertrophy and ventricular performance in the absence of hypertension in spontaneously hypertensive rats. Cuttilletta AF, et al. *J Mol Cell Cardiol* 10(8):689-93, Aug 78

Formation and maintenance of synaptic connections in autonomic ganglia. Purves D, et al. *Physiol Rev* 58(4):821-62, Oct 78 (317 ref.)

## PROSTAGLANDINS

Metabolism of prostacyclin. Oxidation by rhesus monkey lung 15-hydroxyl prostaglandin dehydrogenase. McGuire JC, et al. *Arch Biochem Biophys* 189(1):92-6, Jul 78

Prostaglandins: physiology, biochemistry, pharmacology and clinical applications. Elattar TM. *J Oral Pathol* 7(4):175-207, Aug 78 (0 ref.)

Fundamental structures in drug research II. Schier O, et al. *Prog Drug Res* 22:27-91, 1978 (170 ref.)

Inflammatory effects of prostacyclin (PGI<sub>2</sub>) and 6-oxo-PGF<sub>1</sub>α in the rat paw. Higgs EA, et al. *Prostaglandins* 16(2):153-62, Aug 78

Nomenclature for analogs of prostacyclin (PGI<sub>2</sub>). Johnson RA, et al. *Prostaglandins* 15(5):737-50, May 78

[Prostaglandins, thromboxanes and prostacyclin] Kassis V, et al. *Ugeskr Laeger* 140(46):2843-5, 13 Nov 78 (Eng. Abstr.) (Dan)

## ADMINISTRATION &amp; DOSAGE

PGI<sub>2</sub>: a potential mediator of inflammation. Ford-Hutchinson AW, et al. *Prostaglandins* 16(2):253-8, Aug 78

Inflammatory effects of prostacyclin (PGI<sub>2</sub>) and 6-oxo-PGF<sub>1</sub>α in the rat paw. Higgs EA, et al. *Prostaglandins* 16(2):153-62, Aug 78

[Postcoital contraception] Beckmann M, et al. *Med Welt* 29(40):1576-8, 6 Oct 78 (Ger)

[Induction of labour (author's transl)] Reinold E. *Wien Klin Wochenschr* 90(18):649-54, 29 Sep 78 (Eng. Abstr.) (Ger)

[1st intravenous administration of prostacyclin to man] Szczeklik A, et al. *Pol Tyg Lek* 33(36):1405-8, 4 Sep 78 (Eng. Abstr.) (Pol)

## ANALYSIS

Some aspects of chemical ionization mass spectroscopy using ammonia as reagent gas: a valuable technique for biomedical and natural products studies. Bose AK, et al. *Anal Biochem* 89(1):284-91, 15 Aug 78

Stimulation of prostaglandin production in bone by phorbol diesters and melittin. Tashjian AH Jr, et al. *Prostaglandins* 16(2):221-32, Aug 78

Fluorescent derivatives of prostaglandins and thromboxanes for liquid chromatography. Turk J, et al. *Prostaglandins* 16(2):291-309, Aug 78

[Current status of drug therapy of essential hypertension (author's transl)] Murakami M. *Nippon Naika Gakkai Zasshi* 66(2):165-70, 10 Feb 77 (15 ref.) (Jpn)

## BIOSYNTHESIS

Effects of inhibitors of prostaglandin synthesis on renal sodium excretion in normal dogs and dogs with decreased renal mass. Altschuler P, et al. *Am J Physiol* 235(4):F338-44, Oct 78

Effect of indomethacin on coronary vascular response to increased myocardial oxygen consumption. Harlan DM, et al. *Am J Physiol* 235(4):H372-8, Oct 78

Prostaglandins and aspirin-sensitive asthma [letter] Szczeklik AJ, et al. *Am Rev Respir Dis* 118(4):799-800, Oct 78

Prostaglandins and calcium. Reed PW, et al. *Ann NY Acad Sci* 307:445-7, 28 Apr 78

Prostaglandins and calcium-membrane interactions in secretory glands. Rubin RP, et al. *Ann NY Acad Sci* 307:377-90, 28 Apr 78 (51 ref.)

Experimental criteria for evaluating prostaglandin biosynthesis and intrinsic function. Needleman P. *Biochem Pharmacol* 27(11):1515-8, 1978 (46 ref.)

Prostaglandin-forming cyclooxygenase in renal medulla of spontaneously hypertensive rats during development. Stygles VG, et al. *Biol Neonate* 33(5-6):309-13, 1978

Angiotensin analogs: effect of prostaglandin synthesis inhibitor. Hall MM, et al. *Blood Vessels* 15(5):299-310, 1978

Prostaglandin production by macrophages and the effect of anti-inflammatory drugs. Bray MA, et al. *Br J Pharmacol* 63(4):635-42, Aug 78

Effect of a competitive angiotensin antagonist on the renal haemodynamic changes induced by inhibition of prostaglandin synthesis in rats. Mimran A, et al. *Clin Sci Mol Med* 48 Suppl 2:299s-302s, Jun 75

Role of prostaglandins (PGs) in the control of adenylylphosphorylase hormone secretion. McCann SM, et al. *Curr Top Mol Endocrinol* 3:21-35, 1976 (36 ref.)

Insulin action on glucose uptake into skeletal muscle: inhibition of endogenous biosynthesis of prostaglandins. Dietze G, et al. *FEBS Lett* 92(2):294-8, 15 Aug 78

Role of nutmeg in inhibiting prostaglandin biosynthesis. Misra V, et al. *Indian J Med Res* 67:482-4, Mar 78

Enzymatic conversion of prostaglandin endoperoxide H<sub>2</sub> and arachidonic acid to prostacyclin by cultured human endothelial cells. Marcus AJ, et al. *J Biol Chem* 253(20):7138-41, 25 Oct 78

Prostaglandin suppression of mitogen-stimulated lymphocytes in vitro. Changes with mitogen dose and preincubation. Goodwin JS, et al. *J Clin Invest* 62(4):753-60, Oct 78

Implanted vascular prostheses generate prostacyclin [letter] Sinzinger H, et al. *Lancet* 2(8094):840, 14 Oct 78

An enzyme isolated from arteries transforms prostaglandin endoperoxides to an unstable substance that inhibits platelet aggregation. Moncada S, et al. *Nature* 263(5579):663-5, 21 Oct 76

Lungs as a generator of prostacyclin—hypothesis on

- physiological significance. Gryglewski RJ, et al. Naunyn Schmiedeberg Arch Pharmacol 304(1):45-50, 24 Aug 78
- Effect of antidiuretic hormone and indomethacin on intrarenal microsphere distribution. Fejes-Tóth G, et al. Pfluegers Arch 376(1):67-72, 25 Aug 78
- Direct and pituitary-mediated effects of delta9-THC and cannabinal on the testis. Dalerio S, et al. Pharmacol Biochem Behav 8(6):673-8, Jun 78
- Prostaglandin production in the rat tail artery and vein. Parks TP, et al. Proc West Pharmacol Soc 21:241-4, 1978
- Ductus arteriosus: developmental response to oxygen and indomethacin. Clyman RI, et al. Prostaglandins 15(6):993-8, Jun 78
- Prostaglandin biosynthesis in rabbit kidney medulla: inhibition in-vitro vs. in-vivo by aspirin, indomethacin and meclofenamic acid. Gafni Y, et al. Prostaglandins 15(5):759-72, May 78
- Enhanced formation of PGI<sub>2</sub>, a potent hypotensive substance, by aortic rings and homogenates of the spontaneously hypertensive rat. Pace-Asciak CR, et al. Prostaglandins 15(6):1005-12, Jun 78
- PGI<sub>2</sub> production by rat blood vessels: diminished prostacyclin formation in veins compared to arteries. Skidgel RA, et al. Prostaglandins 16(1):1-16, Jul 78
- Cholesterol arachidonate as a prostaglandin precursor in adrenocortical cells. Vahouny GV, et al. Prostaglandins 16(2):207-20, Aug 78
- Prostaglandin biosynthesis in platelets: demonstration and role of prostaglandin H<sub>2</sub> leads to E<sub>2</sub> isomerase. Raz A, et al. Res Commun Chem Pathol Pharmacol 21(3):507-15, Sep 78
- Ticlopidine - an antiplatelet drug: effects in human volunteers. O'Brien JR, et al. Thromb Res 13(2):245-54, Aug 78
- [Immunosuppression as a concomitant effect] Floersheim GL. Schweiz Med Wochenschr 108(38):1449-60, 23 Sep 78 (236 ref.) (Eng. Abstr.) (Ger)
- [Bartter's syndrome—abnormal prostaglandin production] Kono T. Nippon Rinsho Suppl:1530-1, May 78 (Jpn)
- [Biological importance of some recently discovered lipid autacoids] Mungiu OC, et al. Rev Med Chir Soc Med Nat Iasi 82(2):213-4, 254, Apr-Jun 78 (Rum)

# BLOOD

- Prostaglandins and high blood pressure. Hornyh A. Contrib Nephrol 12:54-68, 1978 (56 ref.)
- Prostaglandins in renovascular and renal hypertension. Hornyh A, et al. Contrib Nephrol 11:189-96, 1978
- Changes in intracellular prostaglandin content during activation of lymphocytes by phytohaemagglutinin. Phillips CA, et al. FEBS Lett 94(1):115-9, 1 Oct 78
- The role of calcium in blood platelet function. pp. 197-239. Feinstein MB.
- In: Weiss GB, ed. Calcium in drug action. New York, Plenum Press, 1978. QV 276 S989c 1977. (201 ref.)
- Plasma prostaglandins in essential hypertension and ischaemic heart disease. Tandon AK, et al. Indian J Med Res 67:490-2, Mar 78
- Radioimmunoassays for prostaglandins. II. Measurement of prostaglandin E<sub>2</sub> and the 13,14-dihydro-15-keto metabolites of the E and F series. Description of a reliable technique with a universal applicability. Thomas CM, et al. Prostaglandins 15(5):849-55, May 78

# IMMUNOLOGY

- [Urticaria. II. Mediators and treatment] Kleniewska D. Przegl Dermatol 65(4):459-62, Jul-Aug 78 (Pol)

# METABOLISM

- Induction of ornithine decarboxylase and DNA synthesis in isolated perfused liver after partial hepatectomy. Miura Y, et al. Adv Enzyme Regul 16:195-203, 3-4 Oct 77
- Prostaglandins and calcium. Reed PW, et al. Ann NY Acad Sci 307:445-7, 28 Apr 78
- Pulmonary metabolism of prostacyclin (PGI<sub>2</sub>) in the rabbit. Wong PY, et al. Biochem Biophys Res Commun 83(2):731-8, 28 Jul 78
- Prostaglandins and chronic inflammation. Bonta IL, et al. Biochem Pharmacol 27(12):1611-23, 1978 (160 ref.)
- Interactions of anti-inflammatory steroids with PG system in adipose tissue. Lewis GP, et al. Biochem Pharmacol 27(10):1409-12, 15 May 78 (24 ref.)
- The macrophage. Hadden JW. Clin Bull 7(3):117-20, 1977
- Alcohol and neurotransmitters. Littleton J. Clin Endocrinol Metab 7(2):369-84, Jul 78
- The renal prostaglandin system: localization and some biological effects. Larsson C. Contrib Nephrol 12:82-91, 1978

- (46 ref.)
- Effect of imidazole on prostaglandin and thromboxane accumulation in urate arthritis. Peskar BA, et al. Eur J Pharmacol 50(4):437-41, 15 Aug 78
- The role of prostaglandins in the pathogenesis of human disease: elucidation with stable isotopic methods. pp. 281-7. Oates JA, et al.
- In: Baillie TA, ed. Stable isotopes. Baltimore, Univ Park Press, 1978. QV 20.5 I61s 1978.
- Prostaglandins, calcium, and cyclic nucleotides in stimulus-response coupling. pp. 135-55. Rubin RP, et al.
- In: Weiss GB, ed. Calcium in drug action. New York, Plenum Press, 1978. QV 276 S989c 1977. (97 ref.)
- Thrombogenic effect of high-dose aspirin in rabbits. Relationship to inhibition of vessel wall synthesis of prostaglandin I<sub>2</sub>-like activity. Kelton JG, et al. J Clin Invest 62(4):892-5, Oct 78
- Prostaglandins: physiology, biochemistry, pharmacology and clinical applications. Elattar TM. J Oral Pathol 7(4):175-207, Aug 78 (0 ref.)
- Decreased vascular prostacyclin in experimental diabetes. Harrison HE, et al. Life Sci 23(4):351-5, 24 Jul 78
- Recent developments in urinary kallikrein research. Obika LF. Life Sci 23(8):765-73, 28 Aug 78 (102 ref.)
- Prostaglandins; their biological and pharmacological role. Vapaatalo H, et al. Med Biol 56(4):163-83, Aug 78
- Pharmacological modification of thromboxane and prostaglandin release in cardiac anaphylaxis. Anhalt H, et al. Prostaglandins 15(5):889-900, May 78
- Inhibition of harmaline induced tremors by 16 (S)-16-methyl PGE<sub>2</sub> in different mammalian species: a correlation with central cyclic nucleotides and prostaglandins. Berti F, et al. Prostaglandins 15(5):867-74, May 78
- Synthesis and metabolism of prostaglandins E<sub>2</sub>, F<sub>2</sub>alpha and D<sub>2</sub> by the rat gastrointestinal tract. Stimulation by a hypertonic environment in vitro. Knapp HR, et al. Prostaglandins 15(5):751-7, May 78
- [Primary dysmenorrhea and prostaglandins] Ylikorkala O. Duodecim 94(16):958-60, 1978 (Fin)
- [Platelet adhesion and aggregation] David JL. Acta Clin Belg 32(6):363-74, 1977 (Eng. Abstr.) (Fre)
- [The initial stage of thrombus formation in early stages of arteriosclerosis] Breddin K. Z Gesamte Inn Med 33(17):615-21, 1 Sep 78 (Eng. Abstr.) (Ger)
- [The lung as a site of inactivation of endogenous vasoactive substances (author's transl)] Imai S. Nippon Kyohu Shikkan Gakkai Zasshi 16(6):384-9, Jun 78 (Eng. Abstr.) (Jpn)
- [Metabolism of vasoactive substances and pulmonary hypertension (author's transl)] Kuriyama T, et al. Nippon Kyohu Shikkan Gakkai Zasshi 16(6):418-24, Jun 78 (Eng. Abstr.) (Jpn)
- [Metabolism of vasoactive substances relating to pulmonary embolism (author's transl)] Sasaki K, et al. Nippon Kyohu Shikkan Gakkai Zasshi 16(6):404-9, Jun 78 (Eng. Abstr.) (Jpn)

# PHARMACODYNAMICS

- Neovascularogenic ability of prostaglandins, growth factors, and synthetic chemoattractants. Ben Ezra D. Am J Ophthalmol 86(4):455-61, Oct 78
- Differential effects of prostaglandins in the mesenteric vascular bed. Chapnick BM, et al. Am J Physiol 235(3):H326-32, Sep 78
- Prostaglandins and calcium. Reed PW, et al. Ann NY Acad Sci 307:445-7, 28 Apr 78
- In vitro inhibition by endotoxin of the anti-aggregatory action of prostacyclin produced by aortic rings. Bult H, et al. Arch Int Pharmacodyn Ther 234(2):335-6, Aug 78
- Rat osteogenic sarcoma cells: comparison of the effects of prostaglandins E<sub>1</sub>, E<sub>2</sub>, I<sub>2</sub> (prostacyclin), 6-keto F<sub>1</sub>alpha and thromboxane B<sub>2</sub> on cyclic AMP production and adenylate cyclase activity. Crawford A, et al.
- Biochem Biophys Res Commun 82(4):1195-201, 29 Jun 78
- Prostaglandins E<sub>1</sub>, E<sub>2</sub> and I<sub>2</sub>: evidence for three distinct actions in vascular smooth muscle. Manku MS, et al. Biochem Biophys Res Commun 83(1):295-9, 14 Jul 78
- Effect of various prostaglandins on the release of arachidonic acid from cultured fibroblasts. Murota SI, et al. Biochem Biophys Res Commun 83(2):679-87, 28 Jul 78
- Prostaglandins and chronic inflammation. Bonta IL, et al. Biochem Pharmacol 27(12):1611-23, 1978 (160 ref.)
- Effects of pharmacologic agents on umbilical blood flow in fetal lambs in utero. Berman W Jr, et al. Biol Neonate 33(5-6):225-35, 1978
- Changes in blood flow and mediator content of rabbit skin grafts. Lewis GP, et al. Br J Pharmacol 64(1):123-8, Sep 78



- Control of prolactin secretion in man. Bohnet HG, et al. *Curr Top Mol Endocrinol* 3:257-81, 1976 (143 ref.)
- Role of prostaglandins (PGs) in the control of adenylophosphorylase hormone secretion. McCann SM, et al. *Curr Top Mol Endocrinol* 3:21-35, 1976 (36 ref.)
- Compatibility studies with various prostaglandins and antimicrobial agents. Nagy AE, et al. *J Antimicrob Chemother* 4(4):382-3, Jul 78
- Pulmonary and systemic vasodilator effects of the newly discovered prostaglandin, PGI<sub>2</sub>. Kadowitz PJ, et al. *J Appl Physiol* 45(3):408-13, Sep 78
- Enhancement of human eosinophil complement receptors by pharmacologic mediators. Anwar AR, et al. *J Immunol* 121(4):1245-50, Oct 78
- Prostaglandins: physiology, biochemistry, pharmacology and clinical applications. Elattar TM. *J Oral Pathol* 7(4):175-207, Aug 78 (0 ref.)
- The relative activity of prostacyclin (PGI<sub>2</sub>) and a stable analogue 6beta-PGI<sub>1</sub> on the gastrointestinal and cardiovascular systems. Whittle BJ, et al. *J Pharm Pharmacol* 30(9):597-9, Sep 78
- Effects of adenosine triphosphate and prostaglandins on vascular adrenergic transmission. Su C, et al. *J Pharmacol Exp Ther* 207(1):34-9, Oct 78
- A vagal reflex contributes to the hypotensive effect of prostacyclin in anesthetized dogs [proceedings] Chapple DJ, et al. *J Physiol (Lond)* 281:43P-44P, Aug 78
- Modulation of slow-reacting substance of anaphylaxis and histamine release by prostacyclin and thromboxanes [proceedings] Engineer DM, et al. *J Physiol (Lond)* 281:42P, Aug 78
- Prostacyclin reduces the number of 'slow moving' leucocytes in hamster cheek pouch venules [proceedings] Higgs GA, et al. *J Physiol (Lond)* 280:55P-56P, Jul 78
- Prostaglandins; their biological and pharmacological role. Vapaatalo H, et al. *Med Biol* 56(4):163-83, Aug 78
- Purification and characterization of adenylylase kinase from rat liver. Criss WE, et al. *Methods Enzymol* 51:459-67, 1978
- Prostacyclin and coronary vasodilation. *Nutr Rev* 36(7):222-3, Jul 78
- Circulatory and anti-platelet effects of intravenous prostacyclin in healthy men. Szczeklik A, et al. *Pharmacol Res Commun* 10(6):545-56, Jun 78
- Effects of prostaglandins on the spreading, adhesion and migration of mouse peritoneal macrophages. Cantarow WD, et al. *Prostaglandins* 16(1):39-46, Jul 78
- PGE<sub>2</sub> is a more potent vasodilator of the lamb ductus arteriosus than is either PGI<sub>2</sub> or 6 keto PGF<sub>1</sub>alpha. Clyman RI, et al. *Prostaglandins* 16(2):259-64, Aug 78
- Interaction of prostaglandins and adenosine 5'-triphosphate in the noncholinergic neurotransmission in rabbit detrusor. Dean DM, et al. *Prostaglandins* 16(2):245-51, Aug 78
- The hyperalgesic effects of prostacyclin and prostaglandin E<sub>2</sub>. Ferreira SH, et al. *Prostaglandins* 16(1):31-7, Jul 78
- Prostaglandin I<sub>2</sub> stimulation of granulosa cell cyclic AMP production. Goff AK, et al. *Prostaglandins* 15(5):875-9, May 78
- Effect of prostacyclin (PGI<sub>2</sub>) on platelet adhesion to rabbit arterial subendothelium. Higgs EA, et al. *Prostaglandins* 16(1):17-22, Jul 78
- Prostaglandins restore the hyoscine-induced inhibition of the guinea-pig ileum. Laekeman GM, et al. *Prostaglandins* 15(5):329-37, May 78
- Contractile responses to prostacyclin (PGI<sub>2</sub>) of isolated human saphenous and rat venous tissue. Levy JV. *Prostaglandins* 16(1):93-7, Jul 78
- Pharmacological activity of PGI<sub>2</sub> and its metabolite 6-oxo-PGF<sub>1</sub>alpha on human uterus and fallopian tubes. Omini C, et al. *Prostaglandins* 15(6):1045-54, Jun 78
- The effect of prostacyclin on the human umbilical artery. Pomerantz K, et al. *Prostaglandins* 15(6):1035-44, Jun 78
- Actions of prostacyclin (PGI<sub>2</sub>) and its product, 6-oxo-PGF<sub>1</sub>alpha on the rat gastric mucosa in vivo and in vitro. Whittle BJ, et al. *Prostaglandins* 15(6):955-67, Jun 78
- Anti-platelet action of intravenous infusion of prostacyclin in man. Gryglewski RJ, et al. *Thromb Res* 13(2):153-63, Aug 78
- Uropharmacology: IX. Direct-acting smooth muscle stimulants and depressants. Finkbeiner AE, et al. *Urology* 12(2):231-5, Aug 78
- [Immunosuppression as a concomitant effect] Floersheim GL. *Schweiz Med Wochenschr* 108(38):1449-60, 23 Sep 78 (236 ref.) (Eng. Abstr.) (Ger)
- Effects of indomethacin on sheep uteroplacental circulations and sensitivity to angiotensin II. McLaughlin MK, et al. *Am J Obstet Gynecol* 132(4):430-5, 15 Oct 78
- Effect of indomethacin on coronary vascular response to increased myocardial oxygen consumption. Harlan DM, et al. *Am J Physiol* 235(4):H372-8, Oct 78
- Characterization of the postocclusive response of renal blood flow in the cat. Spielman WS, et al. *Am J Physiol* 235(4):F286-90, Oct 78
- Prostaglandins and chronic inflammation. Bonta IL, et al. *Biochem Pharmacol* 27(12):1611-23, 1978 (160 ref.)
- Experimental criteria for evaluating prostaglandin biosynthesis and intrinsic function. Needleman P. *Biochem Pharmacol* 27(11):1515-8, 1978 (46 ref.)
- Cellular interactions between vasopressin and prostaglandins in the mammalian kidney. Dousa TP, et al. *Contrib Nephrol* 12:106-15, 1978 (55 ref.)
- Antihypertensive effect of volume depletion: interrelation with renal prostaglandins. Düsing R, et al. *Contrib Nephrol* 12:41-53, 1978
- Prostaglandins and renal function. McGiff JC, et al. *Contrib Nephrol* 12:27-40, 1978
- Renal prostaglandins in the control of renin. Weber PC. *Contrib Nephrol* 12:92-105, 1978
- Prostaglandins, calcium, and cyclic nucleotides in stimulus-response coupling. pp. 135-55. Rubin RP, et al.
- In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (97 ref.)
- Prostaglandins: physiology, biochemistry, pharmacology and clinical applications. Elattar TM. *J Oral Pathol* 7(4):175-207, Aug 78 (0 ref.)
- Haemolytic-uraemic syndrome: deficiency of plasma factor(s) regulating prostacyclin activity? Remuzzi G, et al. *Lancet* 2(8095):871-2, 21 Oct 78
- Prostaglandins; their biological and pharmacological role. Vapaatalo H, et al. *Med Biol* 56(4):163-83, Aug 78
- Prostaglandins-physiological basis of practical applications. Karim MM. *Nurs J Singapore* 18(1):35-40, May 78
- Chemotactic activity of thromboxane B<sub>2</sub>, prostaglandins and their metabolites for polymorphonuclear leucocytes. Kitchen EA, et al. *Prostaglandins* 16(2):239-44, Aug 78
- Effect of meclofenamate on renal vascular resistance in early Goldblatt hypertension in conscious and anesthetized dog. Zimmerman BG. *Prostaglandins* 15(6):1027-33, Jun 78
- [The onset of labour. A reminder of its physiology (author's transl)] Lerat MF. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):702-11, Apr 78 (Eng. Abstr.) (Fre)
- [Pathomechanism of neonatal respiratory distress syndrome following cesarean section] Csaba I, et al. *Orv Hetil* 119(43):2623-8, 22 Oct 78 (Hun)
- [Hormonal regulation of duodeno-pancreatic activity] Bannò S, et al. *Arch De Vecchi Anat Patol* 135(3):317-26, Jul-Sep 78 (Eng. Abstr.) (Ita)
- [Regulation of the renin-angiotensin-aldosterone system. Role of the prostaglandins] Frisina N, et al. *Minerva Med* 69(42):2855-60, 15 Sep 78 (Eng. Abstr.) (Ita)
- [The protective effect of PG I<sub>2</sub> on increased lung vascular permeability caused by endotoxin in dogs (author's transl)] Hirose T, et al. *Nippon Kyobu Shikkan Gakkai Zasshi* 16(6):410-7, Jun 78 (Eng. Abstr.) (Jpn)
- [Biological importance of some recently discovered lipid autacoids] Mungiu OC, et al. *Rev Med Chir Soc Med Nat Iasi* 82(2):213-4, 254, Apr-Jun 78 (Rum)

## THERAPEUTIC USE

- Endotoxic shock in the rabbit: the effects of prostaglandin and arachidonic acid administration. Flynn JT. *J Pharmacol Exp Ther* 206(3):555-66, Sep 78
- Clinical uses of prostaglandins in human reproduction. Bajaj P. *Nurs J India* 69(9):197-9, Sep 78
- Prostaglandins-physiological basis of practical applications. Karim MM. *Nurs J Singapore* 18(1):35-40, May 78
- Prostaglandin I<sub>2</sub> has more potent hypotensive properties than prostaglandin E<sub>2</sub> in the normal and spontaneously hypertensive rat. Pace-Asciak CR, et al. *Prostaglandins* 15(6):999-1003, Jun 78
- [Prostaglandins, thromboxanes and prostacyclin] Kassis V, et al. *Ugeskr Laeger* 140(46):2843-5, 13 Nov 78 (Eng. Abstr.) (Dan)

## PROSTAGLANDINS A

## BLOOD

- Prostaglandins in renovascular and renal hypertension.

## PHYSIOLOGY

- The role of prostaglandins in peristalsis of the human colon. Bruch HP, et al. *Acta Hepatogastroenterol (Stuttg)* 25(4):303-7, Aug 78

Hornych A, et al. *Contrib Nephrol* 11:189-96, 1978

#### DIAGNOSTIC USE

Antihypertensive effect of volume depletion: interrelation with renal prostaglandins. Düsing R, et al. *Contrib Nephrol* 12:41-53, 1978

#### PHARMACODYNAMICS

Neovascuogenic ability of prostaglandins, growth factors, and synthetic chemoattractants. BenEzra D. *Am J Ophthalmol* 86(4):455-61, Oct 78  
Effect of prostaglandins (E2 and A2) on the enzymatic reaction of human renin in isolated homologous system and with added normal and hypertensive plasma. Eggena P, et al. *Clin Sci Mol Med* 48 Suppl 2:307s-309s, Jun 75  
Differential effect of prostaglandin A1 in hypertensive patients with low, normal and high renin. Krakoff LR, et al. *Clin Sci Mol Med* 48 Suppl 2:311s-313s, Jun 75

#### URINE

Immunoreactive urinary prostaglandins A and E in neonates, children, and adults. Brouhard BH, et al. *Prostaglandins* 15(5):881-7, May 78

### PROSTAGLANDINS B

#### BLOOD

Prostaglandins in renovascular and renal hypertension. Hornych A, et al. *Contrib Nephrol* 11:189-96, 1978

### PROSTAGLANDINS D

#### ADMINISTRATION & DOSAGE

Prostaglandin D2, another renal prostaglandin? Friesinger GC, et al. *Prostaglandins* 15(6):969-81, Jun 78

#### ANALYSIS

Prostaglandin D2, another renal prostaglandin? Friesinger GC, et al. *Prostaglandins* 15(6):969-81, Jun 78  
Fluorescent derivatives of prostaglandins and thromboxanes for liquid chromatography. Turk J, et al. *Prostaglandins* 16(2):291-309, Aug 78

#### ANTAGONISTS & INHIBITORS

Selective antagonism of prostaglandin (PG) E1, PGD2 and prostacyclin (PGI2) on human and rabbit platelets by di-4-phloretin phosphate (DPP). Westwick J, et al. *Thromb Res* 12(6):973-8, Jun 78

#### BIOSYNTHESIS

Synthesis and metabolism of prostaglandins E2, F2alpha and D2 by the rat gastrointestinal tract. Stimulation by a hypertonic environment in vitro. Knapp HR, et al. *Prostaglandins* 15(5):751-7, May 78

#### METABOLISM

Synthesis and metabolism of prostaglandins E2, F2alpha and D2 by the rat gastrointestinal tract. Stimulation by a hypertonic environment in vitro. Knapp HR, et al. *Prostaglandins* 15(5):751-7, May 78  
Fluorescent derivatives of prostaglandins and thromboxanes for liquid chromatography. Turk J, et al. *Prostaglandins* 16(2):291-309, Aug 78

#### PHARMACODYNAMICS

Differential effects of prostaglandins in the mesenteric vascular bed. Chapnick BM, et al. *Am J Physiol* 235(3):H326-32, Sep 78  
Pharmacological modification of thromboxane and prostaglandin release in cardiac anaphylaxis. Anhut H, et al. *Prostaglandins* 15(5):889-900, May 78  
Pharmacological activity of PGI2 and its metabolite 6-oxo-PGF1alpha on human uterus and fallopian tubes. Omini C, et al. *Prostaglandins* 15(6):1045-54, Jun 78  
Selective antagonism of prostaglandin (PG) E1, PGD2 and prostacyclin (PGI2) on human and rabbit platelets by

di-4-phloretin phosphate (DPP). Westwick J, et al. *Thromb Res* 12(6):973-8, Jun 78

### PROSTAGLANDINS E

Prostaglandin biosynthesis in platelets: demonstration and role of prostaglandin H2 leads to E2 isomerase. Raz A, et al. *Res Commun Chem Pathol Pharmacol* 21(3):507-15, Sep 78

#### ADMINISTRATION & DOSAGE

Dramatic pyrexia and cardiovascular response to intravaginal prostaglandin E2. Phelan JP, et al. *Am J Obstet Gynecol* 132(1):28-32, 1 Sep 78  
The influence of pre-induction vaginal prostaglandin E2 gel upon subsequent labour. Mackenzie IZ, et al. *Br J Obstet Gynaecol* 85(9):567-61, Sep 78  
Administration of prostaglandin E1 in neonates with critical congenital cardiac defects. Lewis AB, et al. *J Pediatr* 93(3):481-5, Sep 78  
Effects of hydrocortisone and prednisolone on the diuretic and antidiuretic effects of prostaglandin E2 in rats. Fujimoto S. *Jpn J Pharmacol* 28(2):329-31, Apr 78  
New method for evaluating bronchomotor and bronchorecretory activities: Effects of prostaglandins and antigen. Yamatake Y, et al. *Jpn J Pharmacol* 28(3):391-402, Jun 78  
Role of prostaglandins in the control of renin secretion in the dog (II). Yun JC, et al. *Life Sci* 23(9):945-52, 4 Sep 78  
PGI2: a potential mediator of inflammation. Ford-Hutchinson AW, et al. *Prostaglandins* 16(2):253-8, Aug 78  
Inflammatory effects of prostacyclin (PGI2) and 6-oxo-PGF1alpha in the rat paw. Higgs EA, et al. *Prostaglandins* 16(2):153-62, Aug 78  
Prostaglandin I2 has more potent hypotensive properties than prostaglandin E2 in the normal and spontaneously hypertensive rat. Pace-Asciak CR, et al. *Prostaglandins* 15(6):999-1003, Jun 78  
Effects of intracerebroventricular administration of PGE1, E2 and F2alpha on electrically induced convulsions in mice. Rosenkranz RP. *Prostaglandins* 15(6):925-42, Jun 78  
[1st experiences with prostaglandin E1 long-term intra-arterial perfusion in advanced arterial occlusive disease of the lower extremities stage IV (letter)] Gruss JD, et al. *Dtsch Med Wochenschr* 103(41):1624-5, 13 Oct 78 (Ger)  
[Blood NEFA changes caused by intravenous infusion of PGE1 in humans] Pedini G, et al. *G Clin Med* 59(5-6):191-8, May-Jun 78 (Ita)  
[Eye blood supply after systemic administration of prostaglandin E (experimental study)] Bunin Ala, et al. *Vestn Oftalmol* (5):33-5, Sep-Oct 78 (Eng. Abstr.) (Rus)

#### ADVERSE EFFECTS

Dramatic pyrexia and cardiovascular response to intravaginal prostaglandin E2. Phelan JP, et al. *Am J Obstet Gynecol* 132(1):28-32, 1 Sep 78  
Neonatal serum bilirubin levels in spontaneous and induced labour. Sivasuriya M, et al. *Br J Obstet Gynaecol* 85(8):619-23, Aug 78  
Inducing labor with oral prostaglandin E2 tablets. Ang LT, et al. *Int J Gynaecol Obstet* 15(5):415-8, 1978

#### ANALYSIS

Quantitative determination of prostaglandins E1 and F1alpha by multiple ion analysis. Goldyne ME, et al. *Anal Biochem* 88(2):675-81, 1 Aug 78  
Prostaglandin D2, another renal prostaglandin? Friesinger GC, et al. *Prostaglandins* 15(6):969-81, Jun 78  
Furosemide exhibits physicochemical properties similar to prostaglandins and interferes with their bioassay. Lonigro AJ, et al. *Prostaglandins* 16(2):265-76, Aug 78  
Fluorescent derivatives of prostaglandins and thromboxanes for liquid chromatography. Turk J, et al. *Prostaglandins* 16(2):291-309, Aug 78  
[Raised prostaglandin E-2 level in focal inflammatory lesions of the human skin with particular reference to rosacea] Jach J. *Przegl Dermatol* 65(4):379-82, Jul-Aug 78 (Eng. Abstr.) (Pol)

#### ANTAGONISTS & INHIBITORS

Effects of hydrocortisone and prednisolone on the diuretic and antidiuretic effects of prostaglandin E2 in rats. Fujimoto S. *Jpn J Pharmacol* 28(2):329-31, Apr 78  
N-acetyl-p-amino-phenol (paracetamol, acetaminophen) in



the treatment of acute schizophrenia. Falloon I, et al. *Psychol Med* 8(3):495-9, Aug 78

Selective antagonism of prostaglandin (PG) E<sub>1</sub>, PGD<sub>2</sub> and prostacyclin (PGI<sub>2</sub>) on human and rabbit platelets by di-4-phloretin phosphate (DPP). Westwick J, et al. *Thromb Res* 12(6):973-8, Jun 78

#### BIOSYNTHESIS

Antidiuretic hormone increases renal prostaglandin synthesis in vivo. Walker LA, et al. *Am J Physiol* 235(3):F180-5, Sep 78

Effects of calcium on prostaglandin E<sub>2</sub> synthesis by rat inner medullary slices. Zenser TV, et al. *Am J Physiol* 235(3):F213-8, Sep 78

Prostaglandins and aspirin-sensitive asthma [letter] Szczeklik AJ, et al. *Am Rev Respir Dis* 118(4):799-800, Oct 78

Prostaglandins and cannabis—VI. Release of arachidonic acid from HeLa cells by delta-1-tetrahydrocannabinol and other cannabinoids. Burstein S, et al. *Biochem Pharmacol* 27(8):1275-80, 1978

Effect of acetaminophen on prostaglandin E<sub>2</sub> and prostaglandin F<sub>2</sub>alpha synthesis in the renal inner medulla of rat. Zenser TV, et al. *Biochim Biophys Acta* 542(3):486-95, 6 Sep 78

Stimulation by carcinogens and promoters of prostaglandin production by dog kidney (MDCK) cells in culture. Levine L, et al. *Cancer Res* 38(11 Pt 2):4142-6, Nov 78

Role of prostaglandins in the production of hypercalcemia by tumors. Tashjian AH Jr. *Cancer Res* 38(11 Pt 2):4138-41, Nov 78

Renal prostaglandin synthesis in experimental renal-clip hypertension in the rat. Pugsley D, et al. *Clin Sci Mol Med* 48 Suppl 2:303s-306s, Jun 75

Role of renal prostaglandins in circulatory homeostasis. Staszewska-Barczak J. *Contrib Nephrol* 11:179-88, 1978

Increased blood pressure in the SHR is not related to a deficit in renomedullary PGE<sub>2</sub>. Stygles VG, et al. *Experientia* 34(8):1025-6, 15 Aug 78

Flufenamic acid inhibition of PGE<sub>2</sub> production by rectal mucosa in ulcerative colitis [letter] Rachmilewitz D, et al. *Gastroenterology* 75(5):929-30, Nov 78

The importance of renal prostaglandin synthesis in maintaining renal blood flow and glomerular filtration after renal artery stenosis in the conscious dog. Nies AS, et al. *Invest Urol* 16(1):72-4, Jul 78

Prostaglandin E<sub>2</sub> and F<sub>2</sub>alpha in tooth germs. Miani C, et al. *J Dent Res* 57(5-6):702, May-Jun 78

Lymphocyte-mediated activation of fibroblast proliferation and collagen production. Wahl SM, et al. *J Immunol* 121(3):942-6, Sep 78

Implication of renal prostaglandin E in urinary sodium excretion. Yasujima M, et al. *Jpn Circ J* 42(5):565-9, May 78

Synthesis and metabolism of prostaglandins E<sub>2</sub>, F<sub>2</sub>alpha and D<sub>2</sub> by the rat gastrointestinal tract. Stimulation by a hypertonic environment in vitro. Knapp HR, et al. *Prostaglandins* 15(5):751-7, May 78

Enhanced formation of PGI<sub>2</sub>, a potent hypotensive substance, by aortic rings and homogenates of the spontaneously hypertensive rat. Pace-Asciak CR, et al. *Prostaglandins* 15(6):1005-12, Jun 78

Stimulation of prostaglandin production in bone by phorbol diesters and melittin. Tashjian AH Jr, et al. *Prostaglandins* 16(2):221-32, Aug 78

The hamster cheek pouch preparation as a model for studies of macromolecular permeability of the microvasculature. Svensjö E, et al. *Ups J Med Sci* 83(1):71-9, 1978

#### BLOOD

Role of prostaglandins in the production of hypercalcemia by tumors. Tashjian AH Jr. *Cancer Res* 38(11 Pt 2):4138-41, Nov 78

Prostaglandins in renovascular and renal hypertension. Hornyk A, et al. *Contrib Nephrol* 11:189-96, 1978

Prostaglandins and renal function. McGiff JC, et al. *Contrib Nephrol* 12:27-40, 1978

Renal prostaglandins in the control of renin. Weber PC. *Contrib Nephrol* 12:92-105, 1978

Changes in intracellular prostaglandin content during activation of lymphocytes by phytohemagglutinin. Phillips CA, et al. *FEBS Lett* 94(1):115-9, 1 Oct 78

Prostaglandin F<sub>2</sub>alpha prostaglandin E<sub>2</sub>, progesterone, 20alpha-dihydroprogesterone and ovarian 20alpha hydroxysteroid dehydrogenase activity in preparturient pelvic neurectomized rats. Louis TM, et al. *Proc Soc Exp Biol Med* 158(4):631-6, Sep 78

Plasma prostaglandin levels during early neonatal life following term and pre-term delivery. Mitchell MD, et al.

*Prostaglandins* 16(2):319-26, Aug 78

Radioimmunoassays for prostaglandins. II. Measurement of prostaglandin E<sub>2</sub> and the 13,14-dihydro-15-keto metabolites of the E and F series. Description of a reliable technique with a universal applicability. Thomas CM, et al. *Prostaglandins* 15(5):849-55, May 78

#### DEFICIENCY

Increased blood pressure in the SHR is not related to a deficit in renomedullary PGE<sub>2</sub>. Stygles VG, et al. *Experientia* 34(8):1025-6, 15 Aug 78

#### ISOLATION & PURIFICATION

Separation of prostaglandin metabolites on sephadex LH 20 columns. Hansen HS, et al. *Prostaglandins* 16(2):311-8, Aug 78

#### METABOLISM

Evidence for a prostaglandin-independent defect in chloride reabsorption in the loop of Henle as a proximal cause of Bartter's syndrome. Gill JR Jr, et al. *Am J Med* 65(5):766-72, Nov 78

Effect of O<sub>2</sub> exposure on pulmonary metabolism of prostaglandin E<sub>2</sub>. Klein LS, et al. *Am Rev Respir Dis* 118(3):622-5, Sep 78

The role of prostaglandins in the study of intestinal water and electrolyte transport in man. Matuchansky C, et al. *Biomedicine* 28(3):143-8, May-Jun 78 (42 ref.)

The effects of indomethacin on arachidonic acid and prostaglandins e<sub>2</sub> and f<sub>2</sub>alpha levels in human skin 24 h after u.v.B and u.v.C irradiation. Black AK, et al. *Br J Clin Pharmacol* 6(3):261-6, Sep 78

Thromboxane B<sub>2</sub> inhibits prostaglandin E<sub>2</sub> inactivation by the rat isolated perfused lung. Boura AL, et al. *Clin Exp Pharmacol Physiol* 5(4):387-92, Jul-Aug 78

Use of stable-isotope-labelled compounds in pharmaceutical research. pp. 65-84. VandenHeuvel WJ. In: Baillie TA, ed. *Stable isotopes*. Baltimore, Univ Park Press, 1978. QV 20.5 161s 1978.

Differential release of prostaglandin E-like and F-like substances by endothelial cells cultured from human umbilical arteries and veins. Joyner WL, et al. *Microvasc Res* 16(1):119-31, Jul 78

Inhibition of harmaline induced tremors by 16 (S)-16-methyl PGE<sub>2</sub> in different mammalian species: a correlation with central cyclic nucleotides and prostaglandins. Berti F, et al. *Prostaglandins* 15(5):867-74, May 78

Separation of prostaglandin metabolites on sephadex LH 20 columns. Hansen HS, et al. *Prostaglandins* 16(2):311-8, Aug 78

Synthesis and metabolism of prostaglandins E<sub>2</sub>, F<sub>2</sub>alpha and D<sub>2</sub> by the rat gastrointestinal tract. Stimulation by a hypertonic environment in vitro. Knapp HR, et al. *Prostaglandins* 15(5):751-7, May 78

Effect of honey bee venom on prostaglandin levels in mouse skin. Schmidt DK, et al. *Prostaglandins* 16(2):233-8, Aug 78

Fluorescent derivatives of prostaglandins and thromboxanes for liquid chromatography. Turk J, et al. *Prostaglandins* 16(2):291-309, Aug 78

N-acetyl-p-amino-phenol (paracetamol, acetaminophen) in the treatment of acute schizophrenia. Falloon I, et al. *Psychol Med* 8(3):495-9, Aug 78

[Significance of primary prostaglandins in relation to human reproduction (author's transl)] Gstötnner H, et al. *Dermatol Monatsschr* 164(8):560-3, Aug 78 (Eng. Abstr.) (Ger)

[A case report of indomethacin induced asthma with special reference to prostaglandins metabolism in the lungs (author's transl)] Uchiyama K, et al. *Nippon Kyobu Shikkan Gakkai Zasshi* 16(5):340-5, May 78 (Eng. Abstr.) (Jpn)

#### PHARMACODYNAMICS

Comparison of the effects of histamine and prostaglandin on afferent C-fiber endings and irritant receptors in the intrapulmonary airways. Coleridge HM, et al. *Adv Exp Med Biol* 99:291-305, 1978

Prostaglandin E<sub>1</sub> inhibition of acid but not gastrin. Saik RP. *Am J Gastroenterol* 70(1):50-4, Jul 78

Neovascularogenic ability of prostaglandins, growth factors, and synthetic chemoattractants. BenEzra D. *Am J Ophthalmol* 86(4):455-61, Oct 78

Differential effects of prostaglandins in the mesenteric vascular bed. Chapnick BM, et al. *Am J Physiol* 235(3):H326-32, Sep 78



- Human platelet aggregation and cAMP system--cAMP level, adenyl cyclase, phosphodiesterase. Wang TY, et al. *Ann Clin Lab Sci* 8(5):403-12, Sep-Oct 78
- Renal functional changes induced by prostaglandin E1 and indomethacin in the anesthetized dog. Chrysant SG. *Arch Int Pharmacodyn Ther* 234(1):156-63, Jul 78
- Influence of prostaglandins E1 and F1alpha on K-induced responses in vascular smooth muscle. Pfaffman MA, et al. *Arch Int Pharmacodyn Ther* 234(1):36-48, Jul 78
- Rat osteogenic sarcoma cells: comparison of the effects of prostaglandins E1, E2, I2 (prostacyclin), 6-keto F1alpha and thromboxane B2 on cyclic AMP production and adenylate cyclase activity. Crawford A, et al. *Biochem Biophys Res Commun* 82(4):1195-201, 29 Jun 78
- A cell strain cultured from porcine kidney increases cyclic AMP content upon exposure to calcitonin or vasopressin. Goldring SR, et al. *Biochem Biophys Res Commun* 83(2):434-40, 28 Jul 78
- Prostaglandins E1, E2 and I2: evidence for three distinct actions in vascular smooth muscle. Manku MS, et al. *Biochem Biophys Res Commun* 83(1):295-9, 14 Jul 78
- Prostaglandin stimulation of ovarian ornithine decarboxylase in vitro. Osterman J, et al. *Biochem Biophys Res Commun* 83(3):794-9, 14 Aug 78
- Prostaglandin E1 effects on cyclic AMP and glycogen metabolism in rat liver. Sweat FW, et al. *Biochem Biophys Res Commun* 82(3):879-86, 14 Jun 78
- Neurotransmitter modulation of prostaglandin E1-stimulated increases in cyclic AMP. I. Characterization of a cultured neuronal cell line in exponential growth phase. Blosser JC, et al. *Biochem Pharmacol* 27(8):1167-72, 1978
- Neurotransmitter modulation of prostaglandin E1-stimulated increases in cyclic AMP. II. Characterization of a cultured neuronal cell line treated with dibutyryl cyclic AMP. Myers PR, et al. *Biochem Pharmacol* 27(8):1173-7, 1978
- Effect of membrane phospholipid compositional changes on adenylate cyclase in LM cells. Engelhard VH, et al. *Biochemistry* 17(16):3191-200, 8 Aug 78
- Inhibitory effects of melatonin, prostaglandin E1, cyclic AMP, dibutyrylcyclic AMP and theophylline on rat seminiferous tubular contractility in vitro. Ellis LC, et al. *Biol Reprod* 19(1):217-22, Aug 78
- The role of prostaglandins in the study of intestinal water and electrolyte transport in man. Matuchansky C, et al. *Biomedicine* 28(3):143-8, May-Jun 78 (42 ref.)
- A comparison of drug-induced responses on rat tracheal, bronchial and lung strip in vitro preparations. Burns JW, et al. *Br J Pharmacol* 64(1):71-4, Sep 78
- Drugs acting on the bladder and urethra [letter] Bowery NG, et al. *Br Med J* 2(6138):704-5, 2 Sep 78
- Regulation of the in vitro anamnestic antibody response by cyclic AMP. II. Antigen-dependent enhancement by exogenous prostaglandins of the E series. Cook RG, et al. *Cell Immunol* 40(1):128-40, 15 Sep 78
- A possible role of prostaglandins in the inhibition of natural and antibody-dependent cell-mediated cytotoxicity against tumor cells. Droller MJ, et al. *Cell Immunol* 39(1):165-77, Aug 78
- Cyclic nucleotides and aggregation in platelets of spontaneously hypertensive rats. Hamet P, et al. *Circ Res* 43(4):583-91, Oct 78
- Effects of prostaglandin on the antigen- and mitogen-driven responses of peripheral blood lymphocytes from patients with adult and juvenile periodontitis. Page RC, et al. *Clin Immunol Immunopathol* 11(1):77-87, Sep 78
- Effect of prostaglandins (E2 and A2) on the enzymatic reaction of human renin in isolated homologous system and with added normal and hypertensive plasma. Eggena P, et al. *Clin Sci Mol Med* 48 Suppl 2:307s-309s, Jun 75
- Effect of prostaglandin E1 on transmural potential difference and short-circuit current in isolated frog (*Rana catesbeiana*) skin. Gerencser GA. *Comp Biochem Physiol [C]* 60(2):199-203, 1978
- New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al. *Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)
- Role of prostaglandins (PGs) in the control of adenohipophyseal hormone secretion. McCann SM, et al. *Curr Top Mol Endocrinol* 3:21-35, 1976 (36 ref.)
- Lipid profile in blood & liver of acetyl salicylic acid treated rats & the possible mediations through prostaglandins. Balasubramanian A, et al. *Indian J Exp Biol* 16(6):678-80, Jun 78
- Pulmonary and systemic vasodilator effects of the newly discovered prostaglandin, PGI2. Kadowitz PJ, et al. *J Appl Physiol* 45(3):408-13, Sep 78
- Mechanism of luteinizing hormone regulation of prostaglandin synthesis in rat granulosa cells. Clark MR, et al. *J Biol Chem* 253(21):7757-61, 10 Nov 78
- Activation of soluble splenic cell guanylate cyclase by prostaglandin endoperoxides and fatty acid hydroperoxides. Graff G, et al. *J Biol Chem* 253(21):7662-76, 10 Nov 78
- Magnesium but not calcium accumulation is inhibited by beta-adrenergic stimulation in S49 lymphoma cells. Maguire ME, et al. *J Biol Chem* 253(19):6633-6, 10 Oct 78
- Prostaglandin suppression of mitogen-stimulated lymphocytes in vitro. Changes with mitogen dose and preincubation. Goodwin JS, et al. *J Clin Invest* 62(4):753-60, Oct 78
- Control of luteinizing hormone release in prepubertal female rats: evidence for an enhanced ability of the hypothalamus to release luteinizing hormone releasing hormone as the pituitary responsiveness to luteinizing hormone releasing hormone declines. Andrews WW, et al. *J Endocrinol* 78(2):281-2, Aug 78
- Action of prostaglandin E2 on the release of catecholamines from the canine adrenal gland and its interaction with acetylcholine. Yamashita K, et al. *J Endocrinol* 78(2):249-54, Aug 78
- Prostaglandins enhance spread of herpes simplex virus in cell cultures. Harbour DA, et al. *J Gen Virol* 41(1):87-95, Oct 78
- Regulatory substances produced by lymphocytes. VIII. Cell cycle specificity of inhibitor of DNA synthesis (IDS) action in lymphocytes. Wagshal AB, et al. *J Immunol* 121(3):966-72, Sep 78
- Effects of adenosine triphosphate and prostaglandins on vascular adrenergic transmission. Su C, et al. *J Pharmacol Exp Ther* 207(1):34-9, Oct 78
- Quantification of the morphological reaction of platelets to aggregating agents and of its reversal by aggregation inhibitors. Born GV, et al. *J Physiol (Lond)* 280:193-212, Jul 78
- A bilateral antidiuresis to renal artery infusion of prostaglandin E1 in dogs treated with phenylbutazone. Hall WJ, et al. *J Physiol (Lond)* 281:1-13, Aug 78
- Circulatory effect of several cerebral circulatory drugs in man, with special reference to aminophylline, papaverine, cyclandelate, vincamine, prostaglandin E1 and isoxsuprine. Miyazaki M. *Jpn Circ J* 42(4):433-40, Apr 78
- Effects of hydrocortisone and prednisolone on the diuretic and antidiuretic effects of prostaglandin E2 in rats. Fujimoto S. *Jpn J Pharmacol* 28(2):329-31, Apr 78
- New method for evaluating bronchomotor and bronchosecretory activities: Effects of prostaglandins and antigen. Yamatake Y, et al. *Jpn J Pharmacol* 28(3):391-402, Jun 78
- Role of prostaglandins in the control of renin secretion in the dog (II). Yun JC, et al. *Life Sci* 23(9):945-52, 4 Sep 78
- Resorbing bone is chemotactic for monocytes. Mundy GR, et al. *Nature* 275(5676):132-5, 14 Sep 78
- Uptake and release of norepinephrine by slices of rat cerebral cortex: effect of agents that increase cyclic AMP levels. Walker JE, et al. *Neurology (Minneapolis)* 28(9 Pt 1):900-4, Sep 78
- Enhancement of anaphylactic mediator release from guinea-pig perfused lungs by fatty acid hydroperoxides. Adcock JJ, et al. *Prostaglandins* 16(2):163-77, Aug 78
- PGE2 is a more potent vasodilator of the lamb ductus arteriosus than is either PGI2 or 6 keto PGF1alpha. Clyman RI, et al. *Prostaglandins* 16(2):259-64, Aug 78
- The hyperalgesic effects of prostacyclin and prostaglandin E2. Ferreira SH, et al. *Prostaglandins* 16(1):31-7, Jul 78
- Prostaglandin I2 stimulation of granulosa cell cyclic AMP production. Goff AK, et al. *Prostaglandins* 15(5):875-9, May 78
- Furosemide exhibits physicochemical properties similar to prostaglandins and interferes with their bioassay. Lonigro AJ, et al. *Prostaglandins* 16(2):265-76, Aug 78
- Inhibitory action of prostaglandin E1 on smooth muscle contraction and calcium responses. Michibayashi T. *Prostaglandins* 15(5):803-12, May 78
- Pharmacological activity of PGI2 and its metabolite 6-oxo-PGF1alpha on human uterus and fallopian tubes. Omini C, et al. *Prostaglandins* 15(6):1045-54, Jun 78
- Sperm output and serum testosterone in rabbits given prostaglandin F2alpha or E2. Reichard LA, et al. *Prostaglandins* 16(1):135-42, Jul 78
- Actions of prostacyclin (PGI2) and its product, 6-oxo-PGF1alpha on the rat gastric mucosa in vivo and in vitro. Whittle BJ, et al. *Prostaglandins* 15(6):955-67, Jun 78
- Innervation and receptor functions of the human urethra. Ek A. *Scand J Urol Nephrol [Suppl]* (45):1-50, 1977
- Regulation of macrophage tumoricidal function: a role for prostaglandins of the E series. Schultz RM, et al. *Science* 202(4365):320-1, 20 Oct 78
- Pharmacologic dilatation of the ductus arteriosus with prostaglandin E1 in infants with congenital heart disease. Graham TP Jr, et al. *South Med J* 71(10):1238-41, 1246,



Oct 78

Responses of isolated dog cerebral and peripheral arteries to prostaglandins after application of aspirin and polyphlorethin phosphate. Toda N, et al. *Stroke* 9(5):490-8, Sep-Oct 78

111-Indium labelled canine platelets. Wilkinson AR, et al. *Thromb Res* 13(2):175-82, Aug 78

[Retraction of reptilase coagulum. (Effect of cyclic dibutyryl adenosine monophosphate and prostaglandin E1) (author's transl)] Kubisz P, et al. *Bratisl Lek Listy* 70(2):173-80, Aug 78 (Eng. Abstr.) (Cze)

[Induction of labour, at term, by oral prostaglandins E2 (author's transl)] Blot P, et al. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):712-7, Apr 78 (Eng. Abstr.) (Fre)

[Prostaglandin E1 therapy in infants with cyanotic congenital heart malformations: hemodynamic and angiographic findings (author's transl)] Schumacher G, et al. *Klin Paediatr* 190(5):465-73, Sep 78 (Eng. Abstr.) (Ger)

[Blood NEFA changes caused by intravenous infusion of PGE1 in humans] Pedini G, et al. *G Clin Med* 59(5-6):191-8, May-Jun 78 (Ita)

[Effect of prostaglandin E1 and E2 on rabbit pulmonary arterial and aortic strips (author's transl)] Kitamura S, et al. *Nippon Kyobu Shikkan Gakkai Zasshi* 16(7):490-4, Jul 78 (Eng. Abstr.) (Jpn)

[Prostaglandins and lung function. III. Effect of prostaglandin E-2 on the bronchial tree in asthma] Nizankowska E, et al. *Pol Arch Med Wewn* 59(6):625-31, Jun 78 (Eng. Abstr.) (Pol)

[Effect of prostaglandins E1 and E2 on the internal carotid artery] Mchedlishvili GI, et al. *Biull Eksp Biol Med* 86(9):274-7, Sep 78 (Eng. Abstr.) (Rus)

[Eye blood supply after systemic administration of prostaglandin E (experimental study)] Bunin Ala, et al. *Vestn Oftalmol* (5):33-5, Sep-Oct 78 (Eng. Abstr.) (Rus)

## PHYSIOLOGY

The role of prostaglandins in the study of intestinal water and electrolyte transport in man. Matuchansky C, et al. *Biomedicine* 28(3):143-8, May-Jun 78 (42 ref.)

Role of prostaglandins in the production of hypercalcemia by tumors. Tashjian AH Jr. *Cancer Res* 38(11 Pt 2):4138-41, Nov 78

Role of renal prostaglandins in circulatory homeostasis. Staszewska-Barczak J. *Contrib Nephrol* 11:179-88, 1978

Implication of renal prostaglandin E in urinary sodium excretion. Yasujima M, et al. *Jpn Circ J* 42(5):565-9, May 78

Chemotactic activity of thromboxane B2, prostaglandins and their metabolites for polymorphonuclear leucocytes. Kitchen EA, et al. *Prostaglandins* 16(2):239-44, Aug 78

[The protective effect of PG I2 on increased lung vascular permeability caused by endotoxin in dogs (author's transl)] Hirose T, et al. *Nippon Kyobu Shikkan Gakkai Zasshi* 16(6):410-7, Jun 78 (Eng. Abstr.) (Jpn)

[Bronchial asthma—pathophysiology related to prostaglandins] Kobayashi S. *Nippon Rinsho Suppl*:1900-1, May 78 (Jpn)

## SECRETION

Prostaglandins and calcium-membrane interactions in secretory glands. Rubin RP, et al. *Ann NY Acad Sci* 307:377-90, 28 Apr 78 (51 ref.)

## THERAPEUTIC USE

Dramatic pyrexia and cardiovascular response to intravaginal prostaglandin E2. Phelan JP, et al. *Am J Obstet Gynecol* 132(1):28-32, 1 Sep 78

The influence of pre-induction vaginal prostaglandin E2 gel upon subsequent labour. Mackenzie IZ, et al. *Br J Obstet Gynaecol* 85(9):567-61, Sep 78

Inducing labor with oral prostaglandin E2 tablets. Ang LT, et al. *Int J Gynaecol Obstet* 15(5):415-8, 1978

Pathophysiology and management of acute gastric mucosal hemorrhage. Matsumoto T, et al. *Int Surg* 63(4):65-71, May-Jun 78

Administration of prostaglandin E1 in neonates with critical congenital cardiac defects. Lewis AB, et al. *J Pediatr* 93(3):481-5, Sep 78

Prostaglandin I2 has more potent hypotensive properties than prostaglandin E2 in the normal and spontaneously hypertensive rat. Pace-Asciak CR, et al. *Prostaglandins* 15(6):999-1003, Jun 78

Effects of intracerebroventricular administration of PGE1, E2 and F2alpha on electrically induced convulsions in mice. Rosenkranz RP. *Prostaglandins* 15(6):925-42, Jun 78

Pharmacologic dilatation of the ductus arteriosus with

prostaglandin E1 in infants with congenital heart disease. Graham TP Jr, et al. *South Med J* 71(10):1238-41, 1246, Oct 78

A multi-clinical double blind study with PGE, (alpha-cyclodextrin clathrate) in patients with ischemic ulcer of the extremities. Sakaguchi S, et al. *Vasa* 7(3):263-6, 1978

[1st experiences with prostaglandin E1 long-term intra-arterial perfusion in advanced arterial occlusive disease of the lower extremities stage IV (letter)] Gruss JD, et al. *Dtsch Med Wochenschr* 103(41):1624-5, 13 Oct 78 (Ger)

[Prostaglandin E1 therapy in infants with cyanotic congenital heart malformations: hemodynamic and angiographic findings (author's transl)] Schumacher G, et al. *Klin Paediatr* 190(5):465-73, Sep 78 (Eng. Abstr.) (Ger)

[Effect of prostaglandin E1 on the hemodynamics in newborn infants with pulmonary atresia (author's transl)] Mocellin R, et al. *Z Kardiol* 67(8):572-7, Aug 78 (Eng. Abstr.) (Ger)

## URINE

Enhancement of urine prostaglandin excretion by chlorazaniol in dogs. Olsen UB, et al.

*Acta Pharmacol Toxicol (Copenh)* 43(3):233-9, Sep 78

Antidiuretic hormone increases renal prostaglandin synthesis in vivo. Walker LA, et al. *Am J Physiol* 235(3):F180-5, Sep 78

Effects of aldosterone and deoxycorticosterone on the urinary excretion of kallikrein and of prostaglandin E-like substance in the rat. Colina-Chourio J, et al. *Contrib Nephrol* 12:126-31, 1978

The role of prostaglandins in the pathogenesis of human disease: elucidation with stable isotopic methods. pp. 281-7. Oates JA, et al.

In: Baillie TA, ed. *Stable isotopes*. Baltimore, Univ Park Press, 1978. QV 20.5 I61s 1978.

Urinary excretion of prostaglandin E following the administration of furosemide and indomethacin to sick low-birth-weight infants. Friedman Z, et al. *J Pediatr* 93(3):512-5, Sep 78

Implication of renal prostaglandin E in urinary sodium excretion. Yasujima M, et al. *Jpn Circ J* 42(5):565-9, May 78

Immunoreactive urinary prostaglandins A and E in neonates, children, and adults. Brouhard BH, et al. *Prostaglandins* 15(5):881-7, May 78

## PROSTAGLANDINS F

Metabolism of prostacyclin. Oxidation by rhesus monkey lung 15-hydroxyl prostaglandin dehydrogenase. McGuire JC, et al. *Arch Biochem Biophys* 189(1):92-6, Jul 78

Chemical stability of prostacyclin (PGI2) in aqueous solutions. Cho MJ, et al. *Prostaglandins* 15(6):943-54, Jun 78

Inflammatory effects of prostacyclin (PGI2) and 6-oxo-PGF1alpha in the rat paw. Higgs EA, et al. *Prostaglandins* 16(2):153-62, Aug 78

An analysis of the first 200 legal abortions at the Johannesburg General Hospital. Kopenhager T, et al. *S Afr Med J* 53(21):858-60, 27 May 78

Induced abortion. Larsen JV. *S Afr Med J* 53(21):853-7, 27 May 78 (53 ref.)

## ADMINISTRATION &amp; DOSAGE

Comparison of extra-amniotic instillation of rivanol and PGF2alpha either separately or in combination followed by oxytocin for second trimester abortion. Olund A, et al. *Acta Obstet Gynecol Scand* 57(4):333-6, 1978

The effects of longacting paracervical block anesthesia on the abortifacient efficacy of intra-amniotic PGF2alpha and hypertonic saline. Ragab MI, et al.

*Acta Obstet Gynecol Scand* 57(4):327-31, 1978

Pharmacologic and toxicologic study of prostaglandin F2alpha in cattle. Goyings LS, et al. *Am J Vet Res* 39(9):1415-8, Sep 78

New method for evaluating bronchomotor and bronchosecretory activities: Effects of prostaglandins and antigen. Yamatake Y, et al. *Jpn J Pharmacol* 28(3):391-402, Jun 78

Role of prostaglandins in the control of renin secretion in the dog (II). Yun JC, et al. *Life Sci* 23(9):945-52, 4 Sep 78

The effect of indomethacin on the biosynthesis and metabolism of prostaglandin F2alpha in man. Brash AR, et al.

*Prostaglandins* 15(6):983-91, Jun 78

Inflammatory effects of prostacyclin (PGI2) and

- 6-oxo-PGF<sub>1</sub>alpha in the rat paw. Higgs EA, et al. *Prostaglandins* 16(2):153-62, Aug 78
- Effect of prostaglandin F<sub>2</sub>alpha on ovarian and pituitary function in the mid-luteal phase. Kajanoja P, et al. *Prostaglandins* 16(2):327-32, Aug 78
- Effects of intracerebroventricular administration of PGE<sub>1</sub>, E<sub>2</sub> and F<sub>2</sub>alpha on electrically induced convulsions in mice. Rosenkranz RP. *Prostaglandins* 15(6):925-42, Jun 78
- Intra-uterine extra-amniotic prostaglandin F<sub>2</sub>-alpha in the management of patients with intra-uterine fetal death. Tsilacopoulos G. *S Afr Med J* 53(21):848-52, 27 May 78
- Extra-amniotic prostaglandin F<sub>2</sub>alpha in gel for prelabor cervical ripening. Thiery M, et al.
- Z Geburtshilfe Perinatol 182(4):299-301, Aug 78
- [Induction of abortion with prostaglandins] Jerve F. *Tidsskr Nor Laegeforen* 98(29):1433-4, 20 Oct 78 (Eng. Abstr.) (Nor)
- [The use of prostaglandins in the abortion of a dead fetus] Mladenovic D, et al. *Srp Arh Celok Lek* 105(10):839-46, Oct 77 (Sec)
- [F<sub>2</sub> prostaglandin as a method of inducing labor] Gutierrez Diez ML, et al. *Rev Clin Esp* 149(3):263-70, 15 May 78 (Eng. Abstr.) (Spa)

# ADVERSE EFFECTS

- Comparison of extra-amniotic instillation of rivanol and PGF<sub>2</sub>alpha either separately or in combination followed by oxytocin for second trimester abortion. Olund A, et al. *Acta Obstet Gynecol Scand* 57(4):333-6, 1978
- [Induction of abortion with prostaglandins] Jerve F. *Tidsskr Nor Laegeforen* 98(29):1433-4, 20 Oct 78 (Eng. Abstr.) (Nor)

# ANALYSIS

- The effect of passive immunization against estradiol on the regulatory profile and character of labor in the rat. Csapo AI, et al. *Am J Obstet Gynecol* 132(4):464-70, 15 Oct 78
- Quantitative determination of prostaglandins E<sub>1</sub> and F<sub>1</sub>alpha by multiple ion analysis. Goldyne ME, et al. *Anal Biochem* 88(2):675-81, 1 Aug 78
- Fluorescent derivatives of prostaglandins and thromboxanes for liquid chromatography. Turk J, et al. *Prostaglandins* 16(2):291-309, Aug 78

# BIOSYNTHESIS

- Prostaglandins and cannabis—VI. Release of arachidonic acid from HeLa cells by delta<sup>1</sup>-tetrahydrocannabinol and other cannabinoids. Burstein S, et al. *Biochem Pharmacol* 27(8):1275-80, 1978
- Effect of acetaminophen on prostaglandin E<sub>2</sub> and prostaglandin F<sub>2</sub>alpha synthesis in the renal inner medulla of rat. Zenser TV, et al. *Biochim Biophys Acta* 542(3):486-95, 6 Sep 78
- Stimulation by carcinogens and promoters of prostaglandin production by dog kidney (MDCK) cells in culture. Levine L, et al. *Cancer Res* 38(11 Pt 2):4142-6, Nov 78
- Role of renal prostaglandins in circulatory homeostasis. Staszewska-Barczak J. *Contrib Nephrol* 11:179-88, 1978
- Prostaglandin E<sub>2</sub> and F<sub>2</sub>alpha in tooth germs. Miani C, et al. *J Dent Res* 57(5-6):702, May-Jun 78
- Differential response of brain PGF<sub>2</sub>alpha synthesis to methionine sulfoximine in respect of other convulsant drugs. Spagnuolo, C, et al. *Pharmacol Res Commun* 10(6):541-4, Jun 78
- The effect of indomethacin on the biosynthesis and metabolism of prostaglandin F<sub>2</sub>alpha in man. Brash AR, et al. *Prostaglandins* 15(6):983-91, Jun 78
- Synthesis and metabolism of prostaglandins E<sub>2</sub>, F<sub>2</sub>alpha and D<sub>2</sub> by the rat gastrointestinal tract. Stimulation by a hypertonic environment in vitro. Knapp HR, et al. *Prostaglandins* 15(5):751-7, May 78
- Enhanced formation of PG<sub>12</sub>, a potent hypotensive substance, by aortic rings and homogenates of the spontaneously hypertensive rat. Pace-Asciak CR, et al. *Prostaglandins* 15(6):1005-12, Jun 78

# BLOOD

- The effect of a progesterone-releasing intrauterine contraceptive device on uterine secretion of prostaglandin F<sub>2</sub>alpha and life-span of corpora lutea in the ewe. Murdoch WJ, et al. *Am J Obstet Gynecol* 132(1):81-6, 1 Sep 78
- Prostaglandin F<sub>2</sub> alpha and tumours of the female genital tract [letter] Lee WH, et al. *Br Med J* 2(6134):434-5, 5 Aug 78
- Prostaglandins in renovascular and renal hypertension. Hornyk A, et al. *Contrib Nephrol* 11:189-96, 1978
- Prostaglandins and renal function. McGiff JC, et al.

- Contrib Nephrol* 12:27-40, 1978
- Renal prostaglandins in the control of renin. Weber PC. *Contrib Nephrol* 12:92-105, 1978
- Changes in intracellular prostaglandin content during activation of lymphocytes by phytohaemagglutinin. Phillips CA, et al. *FEBS Lett* 94(1):115-9, 1 Oct 78
- Foetal and maternal plasma concentrations of 13, 14-dihydro-15-oxo-prostaglandin F in the mare during late pregnancy and at parturition. Barnes RJ, et al. *J Endocrinol* 78(2):201-15, Aug 78
- CL regression in the pseudopregnant rabbit and the effects of treatment with prostaglandin F<sub>2</sub>-alpha and arachidonic acid. Carlson JC, et al. *J Reprod Fertil* 53(2):381-7, Jul 78
- Prostaglandin F<sub>2</sub>alpha prostaglandin E<sub>2</sub>, progesterone, 20alpha-dihydroprogesterone and ovarian 20alpha hydroxysteroid dehydrogenase activity in preparturient pelvic neurectomized rats. Louis TM, et al. *Proc Soc Exp Biol Med* 158(4):631-6, Sep 78
- Release of prostaglandin F<sub>2</sub>alpha during the bovine periparturient period. Edqvist LE, et al. *Prostaglandins* 16(1):111-9, Jul 78
- Plasma prostaglandin levels during early neonatal life following term and pre-term delivery. Mitchell MD, et al. *Prostaglandins* 16(2):319-26, Aug 78
- Radioimmunoassays for prostaglandins. II. Measurement of prostaglandin E<sub>2</sub> and the 13,14-dihydro-15-keto metabolites of the E and F series. Description of a reliable technique with a universal applicability. Thomas CM, et al. *Prostaglandins* 15(5):849-55, May 78
- Radioimmunoassays for prostaglandins. I. Technical validation of prostaglandin F<sub>2</sub>alpha measurements in human plasma using sephadex G-25 gel filtration. Thomas CM, et al. *Prostaglandins* 15(5):839-47, May 78
- Primary and membranous dysmenorrhea. Asch RH, et al. *South Med J* 71(10):1247-9, 1252, Oct 78 (16 ref.)
- [Measurement of prostaglandin F in the plasma of healthy men (author's transl)] Castañeda-Peña G, et al. *Rev Invest Clin* 30(3):283-9, Jul-Sep 78 (Eng. Abstr.) (Spa)

# DIAGNOSTIC USE

- [Use of prostaglandins in abdominal angiography] Rozenshtaukh LS, et al. *Vestn Rentgenol Radiol* (4):15-9, Jul-Aug 78 (Eng. Abstr.) (Rus)

# ISOLATION & PURIFICATION

- Separation of prostaglandin metabolites on sephadex LH 20 columns. Hansen HS, et al. *Prostaglandins* 16(2):311-8, Aug 78

# METABOLISM

- Distribution of four prostaglandin-metabolising enzymes in organs of the rabbit. Moore PK, et al. *Biochem Pharmacol* 27(14):1839-42, 1978
- The role of prostaglandins in the study of intestinal water and electrolyte transport in man. Matuchansky C, et al. *Biomedicine* 28(3):143-8, May-Jun 78 (42 ref.)
- The effects of indomethacin on arachidonic acid and prostaglandins e<sub>2</sub> and f<sub>2</sub>alpha levels in human skin 24 h after u.v.B and u.v.C irradiation. Black AK, et al. *Br J Clin Pharmacol* 6(3):261-6, Sep 78
- omega-Oxidation of prostaglandins by lung and liver microsomes. Changes in enzyme activity induced by pregnancy, pseudopregnancy, and progesterone treatment. Powell WS. *J Biol Chem* 253(19):6711-6, 10 Oct 78
- Differential release of prostaglandin E-like and F-like substances by endothelial cells cultured from human umbilical arteries and veins. Joyner WL, et al. *Microvasc Res* 16(1):119-31, Jul 78
- Inhibition of harmaline induced tremors by 16 (S)-16-methyl PGE<sub>2</sub> in different mammalian species: a correlation with central cyclic nucleotides and prostaglandins. Berti F, et al. *Prostaglandins* 15(5):867-74, May 78
- The effect of indomethacin on the biosynthesis and metabolism of prostaglandin F<sub>2</sub>alpha in man. Brash AR, et al. *Prostaglandins* 15(6):983-91, Jun 78
- Release of prostaglandin F<sub>2</sub>alpha during the bovine periparturient period. Edqvist LE, et al. *Prostaglandins* 16(1):111-9, Jul 78
- Progesterone, 20alpha-dihydroprogesterone and PGF<sub>2</sub>; interrelated hormonal changes during pseudo-pregnancy in the rat. Hall AK, et al. *Prostaglandins* 15(6):1013-25, Jun 78
- Separation of prostaglandin metabolites on sephadex LH 20 columns. Hansen HS, et al. *Prostaglandins* 16(2):311-8, Aug 78
- Synthesis and metabolism of prostaglandins E<sub>2</sub>, F<sub>2</sub>alpha and



- D2 by the rat gastrointestinal tract. Stimulation by a hypertonic environment in vitro. Knapp HR, et al. *Prostaglandins* 15(5):751-7, May 78
- Increase in vivo of unesterified fatty acids, prostaglandin F2 alpha but not thromboxane B2 in rat brain during drug induced convulsions. Marion J, et al. *Prostaglandins* 16(1):99-110, Jul 78
- Fluorescent derivatives of prostaglandins and thromboxanes for liquid chromatography. Turk J, et al. *Prostaglandins* 16(2):291-309, Aug 78
- [Significance of primary prostaglandins in relation to human reproduction (author's transl)] Gstötnner H, et al. *Dermatol Monatsschr* 164(8):560-3, Aug 78 (Eng. Abstr.) (Ger)

## PHARMACODYNAMICS

- Effects of nifedipine on the smooth-muscle of the human urinary tract in vitro and in vivo. Forman A, et al. *Acta Pharmacol Toxicol (Copenh)* 43(2):111-8, Aug 78
- Comparison of the effects of histamine and prostaglandin on afferent C-fiber endings and irritant receptors in the intrapulmonary airways. Coleridge HM, et al. *Adv Exp Med Biol* 99:291-305, 1978
- Chemical stimulation of rapidly adapting receptors in the airways. Sampson SR, et al. *Adv Exp Med Biol* 99:281-90, 1978
- Neovascularogenic ability of prostaglandins, growth factors, and synthetic chemoattractants. Ben Ezra D. *Am J Ophthalmol* 86(4):455-61, Oct 78
- Differential effects of prostaglandins in the mesenteric vascular bed. Chapnick BM, et al. *Am J Physiol* 235(3):H326-32, Sep 78
- Pharmacologic and toxicologic study of prostaglandin F2alpha in cattle. Goyings LS, et al. *Am J Vet Res* 39(9):1415-8, Sep 78
- Influence of prostaglandins E1 and F1alpha on K-induced responses in vascular smooth muscle. Pfaffman MA, et al. *Arch Int Pharmacodyn Ther* 234(1):36-48, Jul 78
- Effect of various prostaglandins on the release of arachidonic acid from cultured fibroblasts. Murota SI, et al. *Biochem Biophys Res Commun* 83(2):679-87, 28 Jul 78
- Prostaglandin stimulation of ovarian ornithine decarboxylase in vitro. Osterman J, et al. *Biochem Biophys Res Commun* 83(3):794-9, 14 Aug 78
- The role of prostaglandins in the study of intestinal water and electrolyte transport in man. Matuchansky C, et al. *Biomedicine* 28(3):143-8, May-Jun 78 (42 ref.)
- A comparison of drug-induced responses on rat tracheal, bronchial and lung strip in vitro preparations. Burns JW, et al. *Br J Pharmacol* 64(1):71-4, Sep 78
- The action of bradykinin and oxytocin on the isolated whole uterus and myometrium of the rat in oestrus. Whalley ET. *Br J Pharmacol* 64(1):21-8, Sep 78
- Effects of prostaglandins F2alpha on sodium excretion by isolated blood-perfused dog kidneys. Vanherweghem JL, et al. *Contrib Nephrol* 11:197-201, 1978
- Role of prostaglandins (PGs) in the control of adenohipophyseal hormone secretion. McCann SM, et al. *Curr Top Mol Endocrinol* 3:21-35, 1976 (36 ref.)
- The role of cyclic GMP in the action of carbamylcholine on the cycli AMP level in the dog thyroid. Champion S, et al. *FEBS Lett* 92(2):156-8, 15 Aug 78
- Lipid profile in blood & liver of acetyl salicylic acid treated rats & the possible mediations through prostaglandins. Balasubramanian A, et al. *Indian J Exp Biol* 16(6):678-80, Jun 78
- Secretion of steroids after induced luteal regression in beef heifers: effects of PGF2 alpha and removal of corpora lutea. Fogwell RL, et al. *J Anim Sci* 46(6):1718-23, Jun 78
- Prostaglandins enhance spread of herpes simplex virus in cell cultures. Harbour DA, et al. *J Gen Virol* 41(1):87-95, Oct 78
- 15(S)-15-Methyl prostaglandin F2alpha elicits marked peripheral airway constriction in the intact dog. Spannhake EW, et al. *J Pharmacol Exp Ther* 207(1):83-91, Oct 78
- Effects of adenosine triphosphate and prostaglandins on vascular adrenergic transmission. Su C, et al. *J Pharmacol Exp Ther* 207(1):34-9, Oct 78
- CL regression in the pseudopregnant rabbit and the effects of treatment with prostaglandin F-2alpha and arachidonic acid. Carlson JC, et al. *J Reprod Fertil* 53(2):381-7, Jul 78
- New method for evaluating bronchomotor and bronchorecretory activities: Effects of prostaglandins and antigen. Yamatake Y, et al. *Jpn J Pharmacol* 28(3):391-402, Jun 78
- Role of prostaglandins in the control of renin secretion in the dog (11). Yun JC, et al. *Life Sci* 23(9):945-52, 4 Sep 78
- The response of lymphatic smooth muscles to vasoactive

- substances. Ohhashi T, et al. *Pfluegers Arch* 375(2):183-8, 18 Jul 78
- Enhancement of anaphylactic mediator release from guinea-pig perfused lungs by fatty acid hydroperoxides. Adcock JJ, et al. *Prostaglandins* 16(2):163-77, Aug 78
- PGE2 is a more potent vasodilator of the lamb ductus arteriosus than is either PG12 or 6 keto PGF1alpha. Clyman RI, et al. *Prostaglandins* 16(2):259-64, Aug 78
- Effect of prostaglandin F2alpha on ovarian and pituitary function in the mid-luteal phase. Kajanoja P, et al. *Prostaglandins* 16(2):327-32, Aug 78
- Pharmacological activity of PG12 and its metabolite 6-oxo-PGF1alpha on human uterus and fallopian tubes. Omini C, et al. *Prostaglandins* 15(6):1045-54, Jun 78
- Sperm output and serum testosterone in rabbits given prostaglandin F2alpha or E2. Reichard LA, et al. *Prostaglandins* 16(1):135-42, Jul 78
- Effects of intracerebroventricular administration of PGE1, E2 and F2alpha on electrically induced convulsions in mice. Rosenkranz RP. *Prostaglandins* 15(6):925-42, Jun 78
- Innervation and receptor functions of the human urethra. Ek A. *Scand J Urol Nephrol [Suppl]* (45):1-50, 1977
- Regulation of macrophage tumoricidal function: a role for prostaglandins of the E series. Schultz RM, et al. *Science* 202(4365):320-1, 20 Oct 78
- Responses of isolated dog cerebral and peripheral arteries to prostaglandins after application of aspirin and polyphlorethin phosphate. Toda N, et al. *Stroke* 9(5):490-8, Sep-Oct 78
- Extra-amniotic prostaglandin F2alpha in gel for prelabor cervical ripening. Thierry M, et al. *Z Geburtshilfe Perinatol* 182(4):299-301, Aug 78
- [The effects and side-effects of the intra-cervical application of prostaglandin F-2 alpha during early pregnancy (author's transl)] Sievers S, et al. *Geburtshilfe Frauenheilkd* 38(10):800-4, Oct 78 (Eng. Abstr.) (Ger)
- [Effect of prostaglandin F2alpha on the contractile responses of guinea pig tracheal tissues induced by various bronchoconstrictors (author's transl)] Kitamura S, et al. *Nippon Kyobu Shikkan Gakkai Zasshi* 16(5):315-9, May 78 (Eng. Abstr.) (Jpn)

## PHYSIOLOGY

- The role of prostaglandins in the study of intestinal water and electrolyte transport in man. Matuchansky C, et al. *Biomedicine* 28(3):143-8, May-Jun 78 (42 ref.)
- Role of renal prostaglandins in circulatory homeostasis. Staszewska-Barczak J. *Contrib Nephrol* 11:179-88, 1978
- Chemotactic activity of thromboxane B2, prostaglandins and their metabolites for polymorphonuclear leucocytes. Kitchen EA, et al. *Prostaglandins* 16(2):239-44, Aug 78
- [The protective effect of PG 12 on increased lung vascular permeability caused by endotoxin in dogs (author's transl)] Hirose T, et al. *Nippon Kyobu Shikkan Gakkai Zasshi* 16(6):410-7, Jun 78 (Eng. Abstr.) (Jpn)
- [Bronchial asthma—pathophysiology related to prostaglandins] Kobayashi S. *Nippon Rinsho Suppl*:1900-1, May 78 (Jpn)

## SECRETION

- The effect of a progesterone-releasing intrauterine contraceptive device on uterine secretion of prostaglandin F2alpha and life-span of corpora lutea in the ewe. Murdoch WJ, et al. *Am J Obstet Gynecol* 132(1):81-6, 1 Sep 78
- Prostaglandins and calcium-membrane interactions in secretory glands. Rubin RP, et al. *Ann NY Acad Sci* 307:377-90, 28 Apr 78 (51 ref.)

## THERAPEUTIC USE

- Comparison of extra-amniotic instillation of rivanol and PGF2alpha either separately or in combination followed by oxytocin for second trimester abortion. Olund A, et al. *Acta Obstet Gynecol Scand* 57(4):333-6, 1978
- The effects of longacting paracervical block anesthesia on the abortifacient efficacy of intra-amniotic PGF2alpha and hypertonic saline. Ragab MI, et al. *Acta Obstet Gynecol Scand* 57(4):327-31, 1978
- Intra-uterine extra-amniotic prostaglandin F2-alpha in the management of patients with intra-uterine fetal death. Tsalacopoulos G. *S Afr Med J* 53(21):848-52, 27 May 78
- [Induction of abortion with prostaglandins] Jerve F. *Tidsskr Nor Laegeforen* 98(29):1433-4, 20 Oct 78 (Eng. Abstr.) (Nor)

## TOXICITY

- Pharmacologic and toxicologic study of prostaglandin F2alpha in cattle. Goyings LS, et al. *Am J Vet Res*

## PROSTAGLANDINS F

39(9):1415-8, Sep 78

### URINE

Enhancement of urine prostaglandin excretion by chlorazani in dogs. Olsen UB, et al.

*Acta Pharmacol Toxicol* (Copenh) 43(3):233-9, Sep 78

Application of deuterium labelling in studies of the biosynthesis and metabolism of prostaglandin F<sub>2</sub>alpha in man. pp. 289-301. Brash AR, et al.

In: Baillie TA, ed. *Stable isotopes*. Baltimore, Univ Park Press, 1978. QV 20.5 161s 1978.

Stable isotopes in human drug metabolism studies. pp. 27-42. Draffan GH.

In: Baillie TA, ed. *Stable isotopes*. Baltimore, Univ Park Press, 1978. QV 20.5 161s 1978.

[Lung disease and PGF<sub>2</sub>alpha-MUM (main urinary metabolites)] Kitamura S. *Nippon Rinsho Suppl*:1892-3, May 78 (Jpn)

## PROSTAGLANDINS G

### PHARMACODYNAMICS

Activation of soluble splenic cell guanylate cyclase by prostaglandin endoperoxides and fatty acid hydroperoxides. Graff G, et al. *J Biol Chem* 253(21):7662-76, 10 Nov 78

The effect of indomethacin and ASA on in vivo induced white platelet arterial thrombus formation. Bourgain RH.

*Thromb Res* 12(6):1079-86, Jun 78

## PROSTAGLANDINS H

### ANTAGONISTS & INHIBITORS

9,11-epoxyiminoprost-5,13-dienoic acid is a thromboxane A<sub>2</sub> antagonist in human platelets. Fitzpatrick FA, et al. *Nature* 275(5682):764-6, 26 Oct 78

### BLOOD

Prostaglandin biosynthesis in platelets: demonstration and role of prostaglandin H<sub>2</sub> leads to E<sub>2</sub> isomerase. Raz A, et al. *Res Commun Chem Pathol Pharmacol* 21(3):507-15, Sep 78

### METABOLISM

Enzymatic conversion of prostaglandin endoperoxide H<sub>2</sub> and arachidonic acid to prostacyclin by cultured human endothelial cells. Marcus AJ, et al. *J Biol Chem* 253(20):7138-41, 25 Oct 78

Prostaglandin production in the rat tail artery and vein. Parks TP, et al. *Proc West Pharmacol Soc* 21:241-4, 1978

PGI<sub>2</sub> production by rat blood vessels: diminished prostacyclin formation in veins compared to arteries. Skidgel RA, et al. *Prostaglandins* 16(1):1-16, Jul 78

### PHARMACODYNAMICS

Activation of soluble splenic cell guanylate cyclase by prostaglandin endoperoxides and fatty acid hydroperoxides. Graff G, et al. *J Biol Chem* 253(21):7662-76, 10 Nov 78

The effect of indomethacin and ASA on in vivo induced white platelet arterial thrombus formation. Bourgain RH.

*Thromb Res* 12(6):1079-86, Jun 78

## PROSTAGLANDINS X

Metabolism of prostacyclin. Oxidation by rhesus monkey lung 15-hydroxyl prostaglandin dehydrogenase. McGuire JC, et al. *Arch Biochem Biophys* 189(1):92-6, Jul 78

Chemical stability of prostacyclin (PGI<sub>2</sub>) in aqueous solutions. Cho MJ, et al. *Prostaglandins* 15(6):943-54, Jun 78

Inflammatory effects of prostacyclin (PGI<sub>2</sub>) and 6-oxo-PGF<sub>1</sub>alpha in the rat paw. Higgs EA, et al. *Prostaglandins* 16(2):153-62, Aug 78

Nomenclature for analogs of prostacyclin (PGI<sub>2</sub>). Johnson RA, et al. *Prostaglandins* 15(5):737-50, May 78

[Prostaglandins, thromboxanes and prostacyclin] Kassiss V, et al. *Ugeskr Laeger* 140(46):2843-5, 13 Nov 78 (Eng. Abstr.) (Dan)

## APPENDIX

### ADMINISTRATION & DOSAGE

PGI<sub>2</sub>: a potential mediator of inflammation. Ford-Hutchinson AW, et al. *Prostaglandins* 16(2):253-8, Aug 78

Inflammatory effects of prostacyclin (PGI<sub>2</sub>) and 6-oxo-PGF<sub>1</sub>alpha in the rat paw. Higgs EA, et al. *Prostaglandins* 16(2):153-62, Aug 78

Prostaglandin I<sub>2</sub> has more potent hypotensive properties than prostaglandin E<sub>2</sub> in the normal and spontaneously hypertensive rat. Pace-Asciak CR, et al. *Prostaglandins* 15(6):999-1003, Jun 78

The effect of prostacyclin on the human umbilical artery. Pomerantz K, et al. *Prostaglandins* 15(6):1035-44, Jun 78

Actions of prostacyclin (PGI<sub>2</sub>) and its product, 6-oxo-PGF<sub>1</sub>alpha on the rat gastric mucosa in vivo and in vitro. Whittle BJ, et al. *Prostaglandins* 15(6):955-67, Jun 78

[1st intravenous administration of prostacyclin to man] Szczeklik A, et al. *Pol Tyg Lek* 33(36):1405-8, 4 Sep 78 (Eng. Abstr.) (Pol)

### ADVERSE EFFECTS

Anti-platelet action of intravenous infusion of prostacyclin in man. Gryglewski RJ, et al. *Thromb Res* 13(2):153-63, Aug 78

### ANALYSIS

Enhanced formation of PGI<sub>2</sub>, a potent hypotensive substance, by aortic rings and homogenates of the spontaneously hypertensive rat. Pace-Asciak CR, et al. *Prostaglandins* 15(6):1005-12, Jun 78

### ANTAGONISTS & INHIBITORS

Selective antagonism of prostaglandin (PG) E<sub>1</sub>, PGD<sub>2</sub> and prostacyclin (PGI<sub>2</sub>) on human and rabbit platelets by di-4-phloretin phosphate (DPP). Westwick J, et al. *Thromb Res* 12(6):973-8, Jun 78

### BIOSYNTHESIS

Prostaglandins and aspirin-sensitive asthma [letter] Szczeklik AJ, et al. *Am Rev Respir Dis* 118(4):799-800, Oct 78

In vitro inhibition by endotoxin of the anti-aggregatory action of prostacyclin produced by aortic rings. Bult H, et al. *Arch Int Pharmacodyn Ther* 234(2):335-6, Aug 78

Enzymatic conversion of prostaglandin endoperoxide H<sub>2</sub> and arachidonic acid to prostacyclin by cultured human endothelial cells. Marcus AJ, et al. *J Biol Chem* 253(20):7138-41, 25 Oct 78

Implanted vascular prostheses generate prostacyclin [letter] Sinzinger H, et al. *Lancet* 2(8094):840, 14 Oct 78

An enzyme isolated from arteries transforms prostaglandin endoperoxides to an unstable substance that inhibits platelet aggregation. Moncada S, et al. *Nature* 263(5579):663-5, 21 Oct 76

Lungs as a generator of prostacyclin--hypothesis on physiological significance. Gryglewski RJ, et al. *Naunyn Schmiedeberg Arch Pharmacol* 304(1):45-50, 24 Aug 78

The mechanism of enhancement by fatty acid hydroperoxides of anaphylactic mediator release. Adcock JJ, et al. *Prostaglandins* 16(2):179-87, Aug 78

Enhancement of anaphylactic mediator release from guinea-pig perfused lungs by fatty acid hydroperoxides. Adcock JJ, et al. *Prostaglandins* 16(2):163-77, Aug 78

Enhanced formation of PGI<sub>2</sub>, a potent hypotensive substance, by aortic rings and homogenates of the spontaneously hypertensive rat. Pace-Asciak CR, et al. *Prostaglandins* 15(6):1005-12, Jun 78

Prostaglandin I<sub>2</sub> has more potent hypotensive properties than prostaglandin E<sub>2</sub> in the normal and spontaneously hypertensive rat. Pace-Asciak CR, et al. *Prostaglandins* 15(6):999-1003, Jun 78

PGI<sub>2</sub> production by rat blood vessels: diminished prostacyclin formation in veins compared to arteries. Skidgel RA, et al. *Prostaglandins* 16(1):1-16, Jul 78

### BLOOD

Lungs as a generator of prostacyclin--hypothesis on physiological significance. Gryglewski RJ, et al. *Naunyn Schmiedeberg Arch Pharmacol* 304(1):45-50, 24 Aug 78

[Various aspects of the role and regulation of fibrinolysis in the body] Mysliwiec M. *Pol Tyg Lek* 33(32):1261-2, 7 Aug 78 (Pol)



## HISTORY

- [1st intravenous administration of prostacyclin to man]  
Szczeklik A, et al. *Pol Tyg Lek* 33(36):1405-8, 4 Sep 78  
(Eng. Abstr.) (Pol)

## IMMUNOLOGY

- Enhancement of anaphylactic mediator release from guinea-pig perfused lungs by fatty acid hydroperoxides.  
Adcock JJ, et al. *Prostaglandins* 16(2):163-77, Aug 78

## METABOLISM

- Pulmonary metabolism of prostacyclin (PGI<sub>2</sub>) in the rabbit.  
Wong PY, et al. *Biochem Biophys Res Commun* 83(2):731-8, 28 Jul 78
- Thrombogenic effect of high-dose aspirin in rabbits. Relationship to inhibition of vessel wall synthesis of prostaglandin I<sub>2</sub>-like activity. Kelton JG, et al.  
*J Clin Invest* 62(4):892-5, Oct 78
- Decreased vascular prostacyclin in experimental diabetes.  
Harrison HE, et al. *Life Sci* 23(4):351-5, 24 Jul 78
- Enhanced formation of PGI<sub>2</sub>, a potent hypotensive substance, by aortic rings and homogenates of the spontaneously hypertensive rat. Pace-Asciak CR, et al. *Prostaglandins* 15(6):1005-12, Jun 78

## PHARMACODYNAMICS

- Differential effects of prostaglandins in the mesenteric vascular bed. Chapnick BM, et al. *Am J Physiol* 235(3):H326-32, Sep 78
- In vitro inhibition by endotoxin of the anti-aggregatory action of prostacyclin produced by aortic rings. Bult H, et al.  
*Arch Int Pharmacodyn Ther* 234(2):335-6, Aug 78
- Rat osteogenic sarcoma cells: comparison of the effects of prostaglandins E<sub>1</sub>, E<sub>2</sub>, I<sub>2</sub> (prostacyclin), 6-keto F<sub>1</sub>alpha and thromboxane B<sub>2</sub> on cyclic AMP production and adenylate cyclase activity. Crawford A, et al.  
*Biochem Biophys Res Commun* 82(4):1195-201, 29 Jun 78
- Prostaglandins E<sub>1</sub>, E<sub>2</sub> and I<sub>2</sub>: evidence for three distinct actions in vascular smooth muscle. Manku MS, et al.  
*Biochem Biophys Res Commun* 83(1):295-9, 14 Jul 78
- Lipoproteins and the inhibitory effect of human endothelial cells on platelet function. Nordøy A, et al. *Circ Res* 43(4):527-34, Oct 78
- Pulmonary and systemic vasodilator effects of the newly discovered prostaglandin, PGI<sub>2</sub>. Kadowitz PJ, et al.  
*J Appl Physiol* 45(3):408-13, Sep 78
- The relative activity of prostacyclin (PGI<sub>2</sub>) and a stable analogue 6beta-PGI<sub>1</sub> on the gastrointestinal and cardiovascular systems. Whittle BJ, et al.  
*J Pharm Pharmacol* 30(9):597-9, Sep 78
- A vagal reflex contributes to the hypotensive effect of prostacyclin in anaesthetized dogs [proceedings] Chapple DJ, et al. *J Physiol (Lond)* 281:43P-44P, Aug 78
- Modulation of slow-reacting substance of anaphylaxis and histamine release by prostacyclin and thromboxanes [proceedings] Engineer DM, et al. *J Physiol (Lond)* 281:42P, Aug 78
- Prostacyclin reduces the number of 'slow moving' leucocytes in hamster cheek pouch venules [proceedings] Higgs GA, et al. *J Physiol (Lond)* 280:55P-56P, Jul 78
- An enzyme isolated from arteries transforms prostaglandin endoperoxides to an unstable substance that inhibits platelet aggregation. Moncada S, et al. *Nature* 263(5579):663-5, 21 Oct 76
- Prostacyclin and coronary vasodilation. *Nutr Rev* 36(7):222-3, Jul 78
- Circulatory and anti-platelet effects of intravenous prostacyclin in healthy men. Szczeklik A, et al.  
*Pharmacol Res Commun* 10(6):545-56, Jun 78
- Enhancement of anaphylactic mediator release from guinea-pig perfused lungs by fatty acid hydroperoxides.  
Adcock JJ, et al. *Prostaglandins* 16(2):163-77, Aug 78
- PGE<sub>2</sub> is a more potent vasodilator of the lamb ductus arteriosus than is either PGI<sub>2</sub> or 6 keto PGF<sub>1</sub>alpha. Clyman RI, et al. *Prostaglandins* 16(2):259-64, Aug 78
- The hyperalgesic effects of prostacyclin and prostaglandin E<sub>2</sub>. Ferreira SH, et al. *Prostaglandins* 16(1):31-7, Jul 78
- Prostaglandin I<sub>2</sub> stimulation of granulosa cell cyclic AMP production. Goff AK, et al. *Prostaglandins* 15(5):875-9, May 78
- Effect of prostacyclin (PGI<sub>2</sub>) on platelet adhesion to rabbit arterial subendothelium. Higgs EA, et al. *Prostaglandins* 16(1):17-22, Jul 78
- Contractile responses to prostacyclin (PGI<sub>2</sub>) of isolated human saphenous and rat venous tissue. Levy JV.  
*Prostaglandins* 16(1):93-7, Jul 78

- Pharmacological activity of PGI<sub>2</sub> and its metabolite 6-oxo-PGF<sub>1</sub>alpha on human uterus and fallopian tubes.  
Omini C, et al. *Prostaglandins* 15(6):1045-54, Jun 78
- The effect of prostacyclin on the human umbilical artery.  
Pomerantz K, et al. *Prostaglandins* 15(6):1035-44, Jun 78
- Actions of prostacyclin (PGI<sub>2</sub>) and its product, 6-oxo-PGF<sub>1</sub>alpha on the rat gastric mucosa in vivo and in vitro. Whittle BJ, et al. *Prostaglandins* 15(6):955-67, Jun 78
- The effect of indomethacin and ASA on in vivo induced white platelet arterial thrombus formation. Bourgain RH.  
*Thromb Res* 12(6):1079-86, Jun 78
- Anti-platelet action of intravenous infusion of prostacyclin in man. Gryglewski RJ, et al. *Thromb Res* 13(2):153-63, Aug 78
- [Effect of prostacyclin and 6-keto-PGF<sub>1</sub> alpha on coronary vascular resistance] Boroian RG. *Zh Eksp Klin Med* (4):40-4, 1978 (Eng. Abstr.) (Rus)

## PHYSIOLOGY

- Experimental criteria for evaluating prostaglandin biosynthesis and intrinsic function. Needleman P. *Biochem Pharmacol* 27(11):1515-8, 1978 (46 ref.)
- Lipoproteins and the inhibitory effect of human endothelial cells on platelet function. Nordøy A, et al. *Circ Res* 43(4):527-34, Oct 78
- Haemolytic-uraemic syndrome: deficiency of plasma factor(s) regulating prostacyclin activity? Remuzzi G, et al.  
*Lancet* 2(8095):871-2, 21 Oct 78
- Prostaglandins; their biological and pharmacological role.  
Vapaatalo H, et al. *Med Biol* 56(4):163-83, Aug 78
- [The protective effect of PG I<sub>2</sub> on increased lung vascular permeability caused by endotoxin in dogs (author's transl)] Hirose T, et al. *Nippon Kyohu Shikkan Gakkai Zasshi* 16(6):410-7, Jun 78 (Eng. Abstr.) (Jpn)
- [Biological importance of some recently discovered lipid autacoids] Mungiu OC, et al.  
*Rev Med Chir Soc Med Nat Iasi* 82(2):213-4, 254, Apr-Jun 78 (Rum)

## THERAPEUTIC USE

- Prostaglandin I<sub>2</sub> has more potent hypotensive properties than prostaglandin E<sub>2</sub> in the normal and spontaneously hypertensive rat. Pace-Asciak CR, et al. *Prostaglandins* 15(6):999-1003, Jun 78

## RECEPTORS, ANDROGEN

- An association between steroid hormone receptors and response to cytotoxic chemotherapy in patients with metastatic breast cancer. Allegra JC, et al. *Cancer Res* 38(11 Pt 2):4299-304, Nov 78
- Dihydrotestosterone concentration in prostate cancer tissue as a predictor of tumor differentiation and hormonal dependency. Geller J, et al. *Cancer Res* 38(11 Pt 2):4349-52, Nov 78
- Animal models of the hormone-sensitive and -insensitive prostatic adenocarcinomas. Dunning R-3327-H, R-3327-HI, and R-3327-A-T. Isaacs JT, et al.  
*Cancer Res* 38(11 Pt 2):4353-9, Nov 78
- Androgen metabolism by and binding to rabbit epididymal tissue: studies on nuclei. Danzo BJ, et al.  
*J Steroid Biochem* 9(6):477-83, Jun 78

## ANALYSIS

- Correlation between clinical response to hormone therapy and steroid receptor content in prostatic cancer. Gustafsson JA, et al. *Cancer Res* 38(11 Pt 2):4345-8, Nov 78
- Steroid receptors in human prostatic cancer: a preliminary evaluation. de Voogt HJ, et al. *Urol Res* 6(3):151-8, 1 Sep 78
- [Effects of various drugs on the formation of a complex of prostatic cytosol receptor protein and dihydrotestosterone] Yamanaka H, et al. *Horumon To Rinsho* 26(1):89-92, Jan 78 (Jpn)

## DRUG EFFECTS

- Effect of a steroidal alkylating agent (estramustine phosphate) in rat ventral prostate. Høisaeter PA.  
*Scand J Urol Nephrol [Suppl]* (46):1-72, 1977
- Testosterone metabolism in patients with advanced carcinoma of the prostate: a comparative in vivo study of the effects of oestrogen and antiprolactin. Jacobi GH, et al.  
*Urol Res* 6(3):159-65, 1 Sep 78

## METABOLISM

- Mechanisms of replenishment of nuclear androgen receptor in rat ventral prostate. Van Doorn E, et al. *Biochem J* 174(1):9-16, 15 Jul 78
- Association between steroid hormone receptors and response rate to cytotoxic chemotherapy in metastatic breast cancer. Allegra JC, et al. *Cancer Treat Rep* 62(9):1281-6, Sep 78

## RECEPTORS, ANGIOTENSIN

- Regulation of aldosterone secretion by the renin-angiotensin system during sodium restriction in rats. Aguilera G, et al. *Proc Natl Acad Sci USA* 75(8):4057-61, Aug 78

## ANALYSIS

- Localization of receptors for the dipsogenic action of angiotensin II in the subfornical organ of rat. Simpson JB, et al. *J Comp Physiol Psychol* 92(4):581-601, Aug 78

## DRUG EFFECTS

- Petide antagonists of the renin-angiotensin system in the characterisation of receptors for angiotensin-induced drinking. Fitzsimons JT, et al. *Brain Res* 153(2):319-31, 22 Sep 78
- Specific and irreversible block of the myotropic action of angiotensin II. Escher EH, et al. *Nature* 275(5676):145-6, 14 Sep 78

## METABOLISM

- Angiotensin binding affinity and capacity in the midbrain area of spontaneously hypertensive and normotensive rats. Cole FE, et al. *Brain Res* 154(1):178-81, 6 Oct 78
- Inhibition of the pressor and aldosterone-releasing effects of angiotensin II. Bumpus FM, et al. *Clin Sci Mol Med* 48 Suppl 2:15s-18s, Jun 75
- Angiotensin-induced variations of receptors in rat uterine membranes. Chevillotte E, et al. *Clin Sci Mol Med* 48 Suppl 2:23s-26s, Jun 75

## PHYSIOLOGY

- Cardiovascular responses to blockade of angiotensin and alpha-adrenergic receptors. Borucki LJ, et al. *Am J Physiol* 235(3):F199-202, Sep 78
- Localization of receptors for the dipsogenic action of angiotensin II in the subfornical organ of rat. Simpson JB, et al. *J Comp Physiol Psychol* 92(4):581-601, Aug 78
- Hormonal regulation of membrane receptors and cell responsiveness: a review. Tell GP, et al. *Metabolism* 27(10):1566-92, Oct 78

## RECEPTORS, CYCLIC AMP

- Inverse relation between estrogen receptors and cyclic adenosine 3':5'-monophosphate-binding proteins in hormone-dependent mammary tumor regression due to dibutyl cyclic adenosine 3':5'-monophosphate treatment or ovariectomy. Bodwin JS, et al. *Cancer Res* 38(10):3410-3, Oct 78
- Regulation of S49 lymphoma cell growth by cyclic adenosine 3':5'-monophosphate. Coffino P, et al. *Cancer Res* 38(11 Pt 2):4285-8, Nov 78

## DRUG EFFECTS

- Antagonistic action between cyclic adenosine 3':5'-monophosphate and estrogen in rat mammary tumor growth control. Cho-Chung YS. *Cancer Res* 38(11 Pt 2):4071-5, Nov 78

## METABOLISM

- Specific binding proteins for cyclic AMP and cyclic GMP in Dictyostelium discoideum. Rahmsdorf HJ, et al. *Cell Differ* 7(5):249-57, Oct 78
- Adenosine 3',5'-cyclic monophosphate and enzyme induction in the perinatal rat. Di Marco PN, et al. *FEBS Lett* 94(1):183-5, 1 Oct 78

## RECEPTORS, ESTROGEN

- Cytochemical study of estrogen receptor in human mammary cancer. Lee SH. *Am J Clin Pathol* 70(2):197-203, Aug 78
- Characterization of the estradiol receptor extracted from nuclei by micrococcal nuclease. Andre J, et al. *Biochemistry* 17(17):3619-26, 22 Aug 78
- An association between steroid hormone receptors and response to cytotoxic chemotherapy in patients with metastatic breast cancer. Allegra JC, et al. *Cancer Res* 38(11 Pt 2):4299-304, Nov 78
- Inverse relation between estrogen receptors and cyclic adenosine 3':5'-monophosphate-binding proteins in hormone-dependent mammary tumor regression due to dibutyl cyclic adenosine 3':5'-monophosphate treatment or ovariectomy. Bodwin JS, et al. *Cancer Res* 38(10):3410-3, Oct 78
- Human renal cell carcinoma as a hormone-dependent tumor. Concolino G, et al. *Cancer Res* 38(11 Pt 2):4340-4, Nov 78
- Isolation and purification of rat mammary tumor peroxidase. DeSombre ER, et al. *Cancer Res* 38(11 Pt 2):4086-90, Nov 78
- Combined effects of testosterone and estradiol on rat ventral prostate in organ culture. Feyel-Cabanes T, et al. *Cancer Res* 38(11 Pt 2):4126-34, Nov 78
- Regulatory interrelationships for insulin and estrogen action in mammary tumors. Hilf R, et al. *Cancer Res* 38(11 Pt 2):4076-85, Nov 78
- Animal models of the hormone-sensitive and -insensitive prostatic adenocarcinomas. Dunning R-3327-H, R-3327-H1, and R-3327-AT. Isaacs JT, et al. *Cancer Res* 38(11 Pt 2):4353-9, Nov 78
- Relation between steroid receptor content and the response to hormone addition in isolated human breast cancer cells in short-term culture. Israel N, et al. *Cancer Res* 38(11 Pt 2):4314-7, Nov 78
- Some comments on the necessity of receptor determination in human breast cancer. Jonat W, et al. *Cancer Res* 38(11 Pt 2):4305-6, Nov 78
- Steroid receptors in human breast cancer. McGuire WL. *Cancer Res* 38(11 Pt 2):4289-91, Nov 78
- Role of pituitary hormones in the growth of human breast cancer. Pearson OH, et al. *Cancer Res* 38(11 Pt 2):4323-6, Nov 78
- Estradiol and progesterone receptor levels in human breast adenocarcinoma in relation to plasma estrogen and progesterone levels. Saez S, et al. *Cancer Res* 38(10):3468-73, Oct 78
- Human endometrial cancer cell cultures for hormonal studies. Satyaswaroop PG, et al. *Cancer Res* 38(11 Pt 2):4367-75, Nov 78
- Steroid hormones and endometrial cancer. Siiteri PK. *Cancer Res* 38(11 Pt 2):4360-6, Nov 78 (74 ref.)
- Adrenalectomy for palliation of metastatic breast cancer. Dao TL. *Int J Radiat Oncol Biol Phys* 4(5-6):473-6, May-Jun 78
- New role of endocrine therapy in breast cancer. Kennedy BJ. *Int J Radiat Oncol Biol Phys* 4(5-6):469-72, May-Jun 78
- Prophylactic versus therapeutic castration in the total treatment of breast cancer. Lewison EF. *Int J Radiat Oncol Biol Phys* 4(5-6):477-80, May-Jun 78
- Biochemical basis for the selection of hormonal manipulation in the patient with breast carcinoma. Wittliff JL, et al. *Int J Radiat Oncol Biol Phys* 4(5-6):463-7, May-Jun 78

## ANALYSIS

- Estrogen receptor assay of carcinomas of the breast by a simplified dextran--charcoal method. Meyer JS, et al. *Am J Clin Pathol* 70(4):655-64, Oct 78
- Distribution of cytoplasmic estrogen and progesterone receptors in human endometrium. Tsibris JC, et al. *Am J Obstet Gynecol* 132(4):449-54, 15 Oct 78
- Estrogen receptor levels in multiple biopsies from patients with breast cancer. Webster DJ, et al. *Am J Surg* 136(3):337-8, Sep 78
- Amido black 10 B-stained bovine serum albumin (BSA) in density gradient centrifugation. Kouvonen I, et al. *Anal Biochem* 89(1):306-8, 15 Aug 78
- A simple, rapid, and precise method for calculating the steroid hormone-receptor complex concentration in the presence of saturating levels of hormone by using 'differential dissociation' techniques. Richard-Foy H, et al. *Anal Biochem* 88(2):367-81, 1 Aug 78
- Estradiol receptor analysis in human breast cancer tissue by isoelectric focusing in polyacrylamide gel. Gustafsson JA,



- et al. *Cancer Res* 38(11 Pt 2):4225-8, Nov 78
- Human alpha-fetoprotein and the estrogen receptor assay [letter] Kiang DT, et al. *Cancer Res* 38(10):3566-7, Oct 78
- Estrogen receptor assay in primary breast cancer and early recurrence of the disease. Maynard PV, et al. *Cancer Res* 38(11 Pt 2):4292-5, Nov 78
- Estrogen receptor assay in human mammary carcinoma with the synthetic estrogen 11beta-methoxy-17alpha-ethinyl-1,3,5(10)-estratriene-3,17 (R 2858). Okret S, et al. *Cancer Res* 38(11 Pt 1):3904-9, Nov 78
- Prognostic value of estrogen receptor determinations in patients with breast cancer. Rich MA, et al. *Cancer Res* 38(11 Pt 2):4296-8, Nov 78
- Evidence for two kinds of chromatin binding sites for the estradiol-receptor complex. Senior MB, et al. *Cell* 14(4):857-63, Aug 78
- Use of the vertical rotor to facilitate estrogen and progesterone receptor analysis. Hofman LF, et al. *Clin Chem* 24(9):1609-11, Sep 78
- Effect of snap freezing, dithiothreitol and storage on estimations of estrogen receptor sites. Keightley DD, et al. *Clin Chim Acta* 88(2):337-43, 1 Sep 78
- Cytosol and nuclear estradiol receptors in normal and cancerous breast tissue of women. Singh P, et al. *Indian J Med Res* 68:97-106, Jul 78
- Biochemical basis for the selection of hormonal manipulation in the patient with breast carcinoma. Wittliff JL, et al. *Int J Radiat Oncol Biol Phys* 4(5-6):463-7, May-Jun 78
- Treatment of early breast cancer [editorial] *Lancet* 2(8092 Pt 1):717-8, 30 Sep 78
- Current concepts in cancer. Receptors in breast cancer. Lippman ME, et al. *N Engl J Med* 299(17):930-3, 26 Oct 78
- Steroid receptors in human prostatic cancer a preliminary evaluation. de Voogt HJ, et al. *Urol Res* 6(3):151-8, 1 Sep 78
- [Hormone receptor in cancer cells] Nagasawa H. *Nippon Rinsho Suppl*:1166-7, May 78 (Jpn)
- [Multicomponent system of estrogen-binding proteins of liver cytosol: species differences in rats, mice and guinea pigs] Smirnov AN, et al. *Biull Eksp Biol Med* 86(8):233-5, Aug 78 (Eng. Abstr.) (Rus)
- [Estrogen receptors of the human breast] El'tsina NV. *Vopr Onkol* 24(8):108-15, 1978 (31 ref.) (Rus)

## BIOSYNTHESIS

- Cytoplasmic oestrogen receptor replenishment: oestrogens versus anti-oestrogens. Baudendistel LJ, et al. *Acta Endocrinol (Copenh)* 89(3):599-611, Nov 78
- Ontogeny of the vitellogenic response to oestradiol and of the soluble nuclear oestrogen receptor in embryonic-chick liver. Lazier CB. *Biochem J* 174(1):143-52, 15 Jul 78

## BLOOD

- Is there a high-affinity estrogen binder in human serum? [letter] Algard FT, et al. *Clin Chem* 24(10):1848-9, Oct 78

## DRUG EFFECTS

- Estrogen action in the mouse uterus: an additional nuclear event. Korach KS, et al. *Biochem Biophys Res Commun* 83(1):327-33, 14 Jul 78
- Adrenal dehydroepiandrosterone and human mammary cancer. Adams JB, et al. *Cancer Res* 38(11 Pt 2):4036-40, Nov 78
- Antagonistic action between cyclic adenosine 3':5'-monophosphate and estrogen in rat mammary tumor growth control. Cho-Chung YS. *Cancer Res* 38(11 Pt 2):4071-5, Nov 78
- Androgen effects mediated by estrogen receptor in 7,12-dimethylbenz(a)anthracene-induced rat mammary tumors. Garcia M, et al. *Cancer Res* 38(11 Pt 1):3922-9, Nov 78
- Regulatory interrelationships for insulin and estrogen action in mammary tumors. Hilf R, et al. *Cancer Res* 38(11 Pt 2):4076-85, Nov 78
- Binding characteristics of zearalenone analogs to estrogen receptors. Kiang DT, et al. *Cancer Res* 38(11 Pt 1):3611-5, Nov 78
- Comparison between different forms of estrogen cytosol receptor and the nuclear receptor extracted by micrococcal nuclease. Rochefort H, et al. *Cancer Res* 38(11 Pt 2):4229-32, Nov 78
- Interactions between estrogen receptors and certain steroidal alkylating agents [proceedings] Wittliff JL, et al. *Cancer Treat Rep* 62(8):1262-6, Aug 78
- Effect of snap freezing, dithiothreitol and storage on

- estimations of estrogen receptor sites. Keightley DD, et al. *Clin Chim Acta* 88(2):337-43, 1 Sep 78
- Effect of Cu<sup>2+</sup> ions on the binding of estrogen to the human myometrial estrogen binding protein. Lövgren T, et al. *Contraception* 18(2):181-90, Aug 78
- Inhibition of hen oviduct estradiol receptor by aurintricarboxylic acid. Moudgil VK, et al. *FEBS Lett* 94(2):324-6, 15 Oct 78
- Effect of a steroidal alkylating agent (estramustine phosphate) in rat ventral prostate. Høisaeter PA. *Scand J Urol Nephrol [Suppl]* (46):1-72, 1977
- [Early effect of estradiol on ultrastructure of chromatin in the endometrium and hormone-dependent mammary tumors] Vic P, et al. *C R Acad Sci [D] (Paris)* 287(3):141-4, 17 Jul 78 (Eng. Abstr.) (Fre)
- [Estradiol-receptor system of the hypothalamo-hypophyseal structure] Shchedrina RN, et al. *Probl Endokrinol (Mosk)* 24(5):111-7, Sep-Oct 78 (Rus)

## ISOLATION &amp; PURIFICATION

- Characterization of the estradiol receptor extracted from nuclei by micrococcal nuclease. Andre J, et al. *Biochemistry* 17(17):3619-26, 22 Aug 78
- Metabolism of 17beta-estradiol during receptor-mediated nuclear migration in breast cancer cells. Brooks SC, et al. *Cancer Res* 38(11 Pt 2):4238-42, Nov 78
- Binding characteristics of zearalenone analogs to estrogen receptors. Kiang DT, et al. *Cancer Res* 38(11 Pt 1):3611-5, Nov 78
- Molecular heterogeneity of cytosolic forms of estrogen receptors from human breast tumors. Kute TE, et al. *Cancer Res* 38(11 Pt 2):4307-13, Nov 78
- Effects of ethidium bromide on the extractability of nuclear receptor-estrogen complex. Müller RE, et al. *Cancer Res* 38(11 Pt 2):4233-7, Nov 78
- Comparison between different forms of estrogen cytosol receptor and the nuclear receptor extracted by micrococcal nuclease. Rochefort H, et al. *Cancer Res* 38(11 Pt 2):4229-32, Nov 78
- [Use of the method of the ion-exchange paper precipitation of protein receptors to estradiol from the cytosol of the rat hypothalamus and uterus for the study of their physicochemical characteristics] Peryshkova TA, et al. *Lab Delo* (9):542-7, 1978 (Eng. Abstr.) (Rus)

## METABOLISM

- Cytoplasmic oestrogen receptor replenishment: oestrogens versus anti-oestrogens. Baudendistel LJ, et al. *Acta Endocrinol (Copenh)* 89(3):599-611, Nov 78
- Absence of association between oestrogen-receptor content and in vitro oestrogen sensitivity in human breast cancer. Poulsen HS. *Acta Pathol Microbiol Scand [A]* 86(2):169-72, Mar 78
- Estrogen action in the mouse uterus: an additional nuclear event. Korach KS, et al. *Biochem Biophys Res Commun* 83(1):327-33, 14 Jul 78
- Characterization of the estradiol receptor extracted from nuclei by micrococcal nuclease. Andre J, et al. *Biochemistry* 17(17):3619-26, 22 Aug 78
- Adrenal dehydroepiandrosterone and human mammary cancer. Adams JB, et al. *Cancer Res* 38(11 Pt 2):4036-40, Nov 78
- Metabolism of 17beta-estradiol during receptor-mediated nuclear migration in breast cancer cells. Brooks SC, et al. *Cancer Res* 38(11 Pt 2):4238-42, Nov 78
- Investigation of hormone-receptor interactions by means of fluorescence labeling. Dandliker WB, et al. *Cancer Res* 38(11 Pt 2):4212-24, Nov 78
- Androgen effects mediated by estrogen receptor in 7,12-dimethylbenz(a)anthracene-induced rat mammary tumors. Garcia M, et al. *Cancer Res* 38(11 Pt 1):3922-9, Nov 78
- Binding characteristics of zearalenone analogs to estrogen receptors. Kiang DT, et al. *Cancer Res* 38(11 Pt 1):3611-5, Nov 78
- Molecular heterogeneity of cytosolic forms of estrogen receptors from human breast tumors. Kute TE, et al. *Cancer Res* 38(11 Pt 2):4307-13, Nov 78
- Effects of ethidium bromide on the extractability of nuclear receptor-estrogen complex. Müller RE, et al. *Cancer Res* 38(11 Pt 2):4233-7, Nov 78
- Receptor and centriole pathways of steroid action in normal and neoplastic cells. Nenci I. *Cancer Res* 38(11 Pt 2):4204-11, Nov 78
- Estrogen receptor assay in human mammary carcinoma with the synthetic estrogen 11beta-methoxy-17alpha-ethinyl-1,3,5(10)-estratriene-3,17 (R 2858). Okret S, et al. *Cancer Res* 38(11 Pt 1):3904-9, Nov 78

- Nov 78  
Specific binding of estrogens in different fetal tissues of guinea pig during fetal development. Pasqualini JR, et al. *Cancer Res* 38(11 Pt 2):4246-50, Nov 78
- Comparison between different forms of estrogen cytosol receptor and the nuclear receptor extracted by micrococcal nuclease. Rochefort H, et al. *Cancer Res* 38(11 Pt 2):4229-32, Nov 78
- Association between steroid hormone receptors and response rate to cytotoxic chemotherapy in metastatic breast cancer. Allegra JC, et al. *Cancer Treat Rep* 62(9):1281-6, Sep 78
- Comparative binding affinities of estrogen derivatives. Katzenellenbogen JA. *Cancer Treat Rep* 62(8):1243-9, Aug 78
- Biochemical assays for the selection of cytotoxic-linked estrogens with potential therapeutic activity. Leclercq G, et al. *Cancer Treat Rep* 62(8):1255-7, Aug 78
- Interactions between estrogen receptors and certain steroidal alkylating agents [proceedings] Wittliff JL, et al. *Cancer Treat Rep* 62(8):1262-6, Aug 78
- Evidence for two kinds of chromatin binding sites for the estradiol-receptor complex. Senior MB, et al. *Cell* 14(4):857-63, Aug 78
- Steroid binding in the hypothalamus and pituitary. Raynaud JP, et al. *Curr Top Mol Endocrinol* 3:171-89, 1976
- Accumulation and binding of 3H-estradiol-17beta by lymphoid tissues of castrated mice. Seiki K, et al. *Endocrinol Jpn* 25(3):289-94, Jun 78
- Inhibition of hen oviduct estradiol receptor by aurotricarboxylic acid. Moudgil VK, et al. *FEBS Lett* 94(2):324-6, 15 Oct 78
- Biochemical basis for the selection of hormonal manipulation in the patient with breast carcinoma. Wittliff JL, et al. *Int J Radiat Oncol Biol Phys* 4(5-6):463-7, May-Jun 78
- Heterogeneity of estrogen binding sites in the cytosol of the rat uterus. Clark JH, et al. *J Biol Chem* 253(21):7630-4, 10 Nov 78
- Selective binding of mouse estradiol receptor complexes to oligo(dT)-cellulose. Thanki KH, et al. *J Biol Chem* 253(21):7744-50, 10 Nov 78
- Changes in oestradiol-17beta binding in the hypothalamus and pituitary glands of persistently infertile ewes previously exposed to oestrogenic subterranean clover: evidence of alterations to oestradiol receptors. Tang BY, et al. *J Endocrinol* 78(2):171-7, Aug 78
- Diethylstilbestrol binding to estrogen receptor in mammary tissue and uteri of C3H/HeJ mice. Okey AB, et al. *J Natl Cancer Inst* 61(3):719-24, Sep 78
- Determination of the binding properties of estradiol-17beta within the cytoplasmic and nuclear fractions of rat ventral prostate. Armstrong EG Jr, et al. *J Steroid Biochem* 9(6):507-13, Jun 78
- Characterization of mouse mammary tissue estrogen receptors under conditions of differing hormonal backgrounds. Muldoon TG. *J Steroid Biochem* 9(6):485-94, Jun 78
- Estradiol binding by rat thymus cytosol. Reichman ME, et al. *J Steroid Biochem* 9(7):637-41, Jul 78
- [Estrogen receptors of the human breast] El'tsina NV. *Vopr Onkol* 24(8):108-15, 1978 (31 ref.) (Rus)
- [Estradiol reception and enzyme induction in mouse mammary gland neoplasms] Merkulova TI, et al. *Vopr Onkol* 24(8):19-26, 1978 (Eng. Abstr.) (Rus)

## RECEPTORS, GLUCOCORTICOID

- Nature of steroid-glucocorticoid receptor interactions: thermodynamic analysis of the binding reaction. Wolff ME, et al. *Biochemistry* 17(16):3201-8, 8 Aug 78
- An association between steroid hormone receptors and response to cytotoxic chemotherapy in patients with metastatic breast cancer. Allegra JC, et al. *Cancer Res* 38(11 Pt 2):4299-304, Nov 78
- Glucocorticoid receptors and sensitivity of isolated human leukemia and lymphoma cells. Crabtree GR, et al. *Cancer Res* 38(11 Pt 2):4268-72, Nov 78
- Discrepancies between in vivo and in vitro effects of glucocorticoids in myelomonocytic leukemic cells with steroid receptors. Iacobelli S, et al. *Cancer Res* 38(11 Pt 2):4257-62, Nov 78
- Clinical implications of glucocorticoid receptors in human leukemia. Lippman ME, et al. *Cancer Res* 38(11 Pt 2):4251-6, Nov 78

## ANALYSIS

- Glucocorticoid receptors and sensitivity of isolated human leukemia and lymphoma cells. Crabtree GR, et al. *Cancer Res* 38(11 Pt 2):4268-72, Nov 78

- Prognostic value of steroid receptor determination in leukemia. Duval D, et al. *Cancer Res* 38(11 Pt 2):4263-7, Nov 78 (79 ref.)
- Structure requirements and affinity of steroids to bind with receptor for induction of differentiation of cultured mouse myeloid leukemia cells. Honma Y, et al. *Gan* 68(4):405-12, Aug 77

## DRUG EFFECTS

- Dexamethasone-mediated induction of mouse mammary tumor virus RNA: a system for studying glucocorticoid action. Ringold GM, et al. *Cell* 6(3):299-305, Nov 75
- Modulation of high affinity GABA uptake into hippocampal synaptosomes by glucocorticoids. Miller AL, et al. *Psychoneuroendocrinology* 3(2):155-64, Apr 78
- Endotoxin-glucocorticoid interactions with hormone specific receptors in the rat. Agarwal MK. *Toxicol Suppl* (1):857-68, 1978
- [The mechanism of the effect of glucocorticoids] Alexandrová M. *Cesk Fysiol* 27(4):317-31, 1978 (Slo)

## GENETICS

- Glucocorticoid resistance in murine lymphoma and thymoma lines. Bourgeois S, et al. *Cancer Res* 38(11 Pt 2):4279-84, Nov 78
- Hepatic glucocorticoid receptors and the H-2 locus. Butley MS, et al. *Nature* 275(5676):136-8, 14 Sep 78
- Isolation and characterization of L-cell variants with altered sensitivity to glucocorticoids. Venetianer A, et al. *Somatic Cell Genet* 4(5):513-30, Sep 78

## IMMUNOLOGY

- Purification of two dexamethasone-binding proteins from rat-liver cytosol. Govindan MV, et al. *Eur J Biochem* 89(1):95-104, 15 Aug 78

## ISOLATION &amp; PURIFICATION

- Tissue dependent receptor binding of 9alpha fluorohydrocortisone. Agarwal MK, et al. *Biochem Biophys Res Commun* 83(1):1-6, 14 Jul 78
- Extraction of nuclear glucocorticoid-receptor complexes with pyridoxal phosphate. Cidlowski JA, et al. *Biochem Biophys Res Commun* 82(4):1140-6, 29 Jun 78
- Purification of two dexamethasone-binding proteins from rat-liver cytosol. Govindan MV, et al. *Eur J Biochem* 89(1):95-104, 15 Aug 78

## METABOLISM

- Glucocorticoid receptors in the guinea pig. Hodgson AJ, et al. *Am J Physiol* 235(3):R115-20, Sep 78
- Tissue dependent receptor binding of 9alpha fluorohydrocortisone. Agarwal MK, et al. *Biochem Biophys Res Commun* 83(1):1-6, 14 Jul 78
- Extraction of nuclear glucocorticoid-receptor complexes with pyridoxal phosphate. Cidlowski JA, et al. *Biochem Biophys Res Commun* 82(4):1140-6, 29 Jun 78
- Binding of some non-steroidal anti-inflammatory drugs to glucocorticoid receptors in vitro. Feldman D. *Biochem Pharmacol* 27(8):1187-91, 1978
- Nature of steroid-glucocorticoid receptor interactions: thermodynamic analysis of the binding reaction. Wolff ME, et al. *Biochemistry* 17(16):3201-8, 8 Aug 78
- Discrepancies between in vivo and in vitro effects of glucocorticoids in myelomonocytic leukemic cells with steroid receptors. Iacobelli S, et al. *Cancer Res* 38(11 Pt 2):4257-62, Nov 78
- Restoration by adrenalectomy of weight and binding capacity of glucocorticoid receptors of the thymus in AH 130 tumor-bearing rats. Isohashi F, et al. *Cancer Res* 38(11 Pt 2):4243-5, Nov 78
- Association between steroid hormone receptors and response rate to cytotoxic chemotherapy in metastatic breast cancer. Allegra JC, et al. *Cancer Treat Rep* 62(9):1281-6, Sep 78
- Induction of cleft palates by triamcinolone acetonide: re-examination of the problem. Bekhor I, et al. *Cleft Palate J* 15(3):220-32, Jul 78 (76 ref.)
- Factors modifying equilibrium between activated and non-activated forms of steroid-receptor complexes. Bailly A, et al. *Eur J Biochem* 88(2):623-32, 1 Aug 78
- Reduction in [3H]-corticosterone binding to cytoplasmic receptors in the brain of diabetic rats. Fridman O, et al. *J Steroid Biochem* 9(7):609-14, Jul 78
- Hepatic glucocorticoid receptors and the H-2 locus. Butley MS, et al. *Nature* 275(5676):136-8, 14 Sep 78
- Isolation and characterization of L-cell variants with altered



- sensitivity to glucocorticoids. Venetianer A, et al. *Somatic Cell Genet* 4(5):513-30, Sep 78
- Endotoxin-glucocorticoid interactions with hormone specific receptors in the rat. Agarwal MK. *Toxicol Suppl* (1):857-68, 1978
- [Analysis of the interaction of glucocorticoid receptors obtained from rat liver with DNA in a aqueous dextran-polyethylene glycol biphasic system] Akhrem AA, et al. *Biokhimiia* 43(7):1184-9, Jul 78 (Eng. Abstr.) (Rus)

## PHYSIOLOGY

- [The mechanism of the effect of glucocorticoids] Alexandrová M. *Cesk Fysiol* 27(4):317-31, 1978 (Slo)

## RECEPTORS, HORMONE

- ACTH receptors and the effect of ACTH on adrenal organelles. Ontjes DA, et al. *Ann NY Acad Sci* 297:295-313, 28 Oct 77
- Prostaglandins and calcium-membrane interactions in secretory glands. Rubin RP, et al. *Ann NY Acad Sci* 307:377-90, 28 Apr 78 (51 ref.)
- Structure: function studies of receptors for thyrotropin and tetanus toxin: lipid modulation of effector binding to the glycoprotein receptor component. Lee G, et al. *Biochem Biophys Res Commun* 83(1):313-20, 14 Jul 78
- Human breast carcinoma cells in continuous culture: a review. Engel LW, et al. *Cancer Res* 38(11 Pt 2):4327-39, Nov 78 (116 ref.)
- Relationships of the structure and function of the interferon receptor to hormone receptors and establishment of the antiviral state. Grollman EF, et al. *Cancer Res* 38(11 Pt 2):4172-85, Nov 78 (65 ref.)
- Role of pituitary hormones in the growth of human breast cancer. Pearson OH, et al. *Cancer Res* 38(11 Pt 2):4323-6, Nov 78
- Receptors for luteinizing hormone-releasing hormone. Sternberger LA. *J Histochem Cytochem* 26(7):542-4, Jul 78
- Interferon and glycoprotein hormones. Friedman RM, et al. *Tex Rep Biol Med* 35:326-9, 1977 (24 ref.)
- [Prolactin] Lamberts SW, et al. *Ned Tijdschr Geneesk* 122(36):1327-34, 9 Sep 78 (47 ref.) (Dut)
- [Presence of nuclear triiodothyronine (T3) receptors in mouse fibroblasts] Brisson-Lougarre A, et al. *C R Soc Biol (Paris)* 172(2):355-8, 1978 (Eng. Abstr.) (Fre)
- [Induction of glucocorticoid hormone receptors in continuous human T-lymphocyte cultures (proceedings)] Bonnard GD, et al. *Schweiz Med Wochenschr* 108(41):1603, 14 Oct 78 (Eng. Abstr.) (Fre)
- [The enzymatic linkage of fibrinogenesis and fibrinolysis (author's transl)] Zimmermann RE, et al. *Klin Wochenschr* 56(16):781-8, 15 Aug 78 (39 ref.) (Eng. Abstr.) (Ger)
- [Hormones and cytostatic drugs in cancer chemotherapy] Matthias M. *Z Gesamte Inn Med* 33(14):459-65, 15 Jul 78 (Eng. Abstr.) (Ger)
- [Functioning tumors with special reference to ectopic hormone producing tumors (author's transl)] Imura H, et al. *Tanpakushitsu Kakusan Koso* 23(6):641-56, May 78 (67 ref.) (Jpn)
- [Receptor pharmacology (6): Hormone receptors and predictive tests in tumor therapy] Gustafsson JA, et al. *Lakartidningen* 75(44):4038-9, 1 Nov 78 (Eng. Abstr.) (Swe)

## ANALYSIS

- Hormonal control of liver prolactin receptors. Kelly PA, et al. *Curr Top Mol Endocrinol* 3:321-35, 1976 (27 ref.)
- Hormonal control of meiosis reinitiation in starfish oocytes. New evidence for the absence of efficient intracellular receptors for 1-methyladenine recognition. Moreau M, et al. *Exp Cell Res* 115(2):245-9, Sep 78
- Localization of receptors for the dipsogenic action of angiotensin II in the subfornical organ of rat. Simpson JB, et al. *J Comp Physiol Psychol* 92(4):581-601, Aug 78
- Adrenal luteinizing hormone releasing hormone receptors. Bernardo LA, et al. *J Histochem Cytochem* 26(8):613-7, Aug 78
- [Hormone receptor in cancer cells] Nagasawa H. *Nippon Rinsho Suppl*:1166-7, May 78 (Jpn)

## DRUG EFFECTS

- In vitro and in vivo studies on Leydig cell function in old rats. Pirke KM, et al. *Acta Endocrinol (Copenh)*

- 89(2):393-403, Oct 78
- ACTH-induced refractoriness in cultured adrenal cell line (Y1). Morera AM, et al. *Biochem Biophys Res Commun* 83(4):1553-60, 29 Aug 78
- Petide antagonists of the renin-angiotensin system in the characterisation of receptors for angiotensin-induced drinking. Fitzsimons JT, et al. *Brain Res* 153(2):319-31, 22 Sep 78
- Hormonal control of liver prolactin receptors. Kelly PA, et al. *Curr Top Mol Endocrinol* 3:321-35, 1976 (27 ref.)
- Inhibition of the degradation of receptor-bound human choriogonadotropin by lysosomotropic agents, protease inhibitors, and metabolic inhibitors. Ascoli M, et al. *J Biol Chem* 253(21):7832-8, 10 Nov 78
- Demonstration of a direct effect of inhibitors of the degradation of receptor-bound human choriogonadotropin on the steroidogenic pathway. Ascoli M. *J Biol Chem* 253(21):7839-43, 10 Nov 78
- Adrenal luteinizing hormone releasing hormone receptors. Bernardo LA, et al. *J Histochem Cytochem* 26(8):613-7, Aug 78
- Specific and irreversible block of the myotropic action of angiotensin II. Escher EH, et al. *Nature* 275(5676):145-6, 14 Sep 78
- [20 years of research on molecular mechanisms of steroid hormone action (editorial)] Milgrom E. *Pathol Biol (Paris)* 26(5):215-7, May-Jun 78 (Fre)
- [Obtaining iodinated luteinizing hormone while preserving its biological properties] Dobracheva AD, et al. *Prohl Endokrinol (Mosk)* 24(5):44-8, Sep-Oct 78 (Eng. Abstr.) (Rus)

## IMMUNOLOGY

- Autoimmunity and the immunologic network. Talal N. *Arthritis Rheum* 21(7):853-61, Sep-Oct 78
- Disordered immunologic regulation and autoimmunity. Talal N. *Birth Defects* 14(5):197-207, 1978
- Evidence that the TSH receptor acts as a mitogenic antigen in Graves' disease. Mäkinen T, et al. *Nature* 275(5678):314-5, 28 Sep 78

## ISOLATION &amp; PURIFICATION

- Binding of gonadotrophin releasing hormone (GnRH) by bovine anterior pituitary plasma membranes and purified GnRH receptor protein (GnRH.R). Zolman JC, et al. *Acta Endocrinol (Copenh)* 89(2):232-9, Oct 78
- [Reaction between dexamethasone-receptor complexes and isolated nuclei from Zajdela hepatoma and rat liver cells] Dmitrieva LV, et al. *Biull Eksp Biol Med* 86(9):350-3, Sep 78 (Eng. Abstr.) (Rus)

## METABOLISM

- Binding of gonadotrophin releasing hormone (GnRH) by bovine anterior pituitary plasma membranes and purified GnRH receptor protein (GnRH.R). Zolman JC, et al. *Acta Endocrinol (Copenh)* 89(2):232-9, Oct 78
- Aldosterone receptor occupancy and sodium transport in the urinary bladder of *Bufo marinus*. Farman N, et al. *Am J Physiol* 235(3):C90-6, Sep 78
- Binding of aldosterone to cytoplasmic and nuclear receptors of the urinary bladder epithelium of *Bufo marinus*. Kusch M, et al. *Am J Physiol* 235(3):C82-9, Sep 78
- Inhibition of thyrotropin binding to human thyroid plasma membranes by thyroid hormones and 'reverse triiodothyronine'. Kielczyński W, et al. *Biochem Biophys Res Commun* 82(3):811-9, 14 Jun 78
- Structure: function studies of receptors for thyrotropin and tetanus toxin: lipid modulation of effector binding to the glycoprotein receptor component. Lee G, et al. *Biochem Biophys Res Commun* 83(1):313-20, 14 Jul 78
- ACTH-induced refractoriness in cultured adrenal cell line (Y1). Morera AM, et al. *Biochem Biophys Res Commun* 83(4):1553-60, 29 Aug 78
- Angiotensin binding affinity and capacity in the midbrain area of spontaneously hypertensive and normotensive rats. Cole FE, et al. *Brain Res* 154(1):178-81, 6 Oct 78
- Nuclear thyroid hormone receptors in a human breast cancer cell line. Burke RE, et al. *Cancer Res* 38(11 Pt 1):3769-73, Nov 78
- The assay of 1 $\alpha$ ,25-dihydroxyvitamin D<sub>3</sub>: physiologic and pathologic modulation of circulating hormone levels. Haussler MR, et al. *Clin Endocrinol (Oxf)* 5 Suppl:151S-165S, 1976
- Hormone receptors and cyclic nucleotide metabolism in cancer cells. Martin TJ, et al. *Clin Endocrinol (Oxf)* 5 Suppl:373S-386S, 1976 (57 ref.)
- The chemistry and conformational and biological analysis of

- vitamin D<sub>3</sub>, its metabolites and analogues. Norman AW, et al. *Clin Endocrinol (Oxf)* 5 Suppl:121S-143S, 1976 (30 ref.)
- Angiotensin-induced variations of receptors in rat uterine membranes. Chevillotte E, et al. *Clin Sci Mol Med* 48 Suppl 2:23S-26S, Jun 75
- Hormonal control of liver prolactin receptors. Kelly PA, et al. *Curr Top Mol Endocrinol* 3:321-35, 1976 (27 ref.)
- New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al. *Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)
- Deactivation of persistently activated pancreatic adenylate cyclase. Evidence of uncoupling of hormone receptors and enzyme effector in the persistently activated state, and of the presence of two guanyl nucleotide regulatory sites. Svoboda M, et al. *FEBS Lett* 92(2):351-6, 15 Aug 78
- Demonstration of a direct effect of inhibitors of the degradation of receptor-bound human choriongonadotropin on the steroidogenic pathway. Ascoli M. *J Biol Chem* 253(21):7839-43, 10 Nov 78
- Inhibition of the degradation of receptor-bound human choriongonadotropin by lysosomotropic agents, protease inhibitors, and metabolic inhibitors. Ascoli M, et al. *J Biol Chem* 253(21):7832-8, 10 Nov 78
- The uptake and degradation of growth hormone fragments by isolated rat hepatocytes. Donner DB, et al. *J Biol Chem* 253(19):6717-23, 10 Oct 78
- Binding of 125I-labelled FSH in the mouse testis in vitro. Davies AG, et al. *J Reprod Fertil* 53(2):249-54, Jul 78
- Target tissues for relaxin identified in vitro with 125I-labelled porcine relaxin. McMurtry JP, et al. *J Reprod Fertil* 53(2):209-16, Jul 78
- The thyroid hormones: a thesis concerning their action. Hulbert AJ. *J Theor Biol* 73(1):81-100, 6 Jul 78 (101 ref.)
- Methods for assessing the binding of steroid hormones in nuclei. Chamness GC, et al. *Methods Cell Biol* 17:325-38, 1978
- Calcitonin and calcium ionophores: cyclic AMP responses in cells of a human lymphoid line. Moran J, et al. *Proc Natl Acad Sci USA* 75(8):3984-88, Aug 78
- [Presence of nuclear triiodothyronine (T<sub>3</sub>) receptors in mouse fibroblasts] Brisson-Lougarre A, et al. *C R Soc Biol (Paris)* 172(2):355-8, 1978 (Eng. Abstr.) (Fre)
- [Hormone receptors and their action mechanism (peptide hormones and catecholamines)] Yamashita K. *Nippon Rinsho Suppl*:1504-5, May 78 (Jpn)
- [Reaction between dexamethasone-receptor complexes and isolated nuclei from Zajdela hepatoma and rat liver cells] Dmitrieva LV, et al. *Biull Eksp Biol Med* 86(9):350-3, Sep 78 (Eng. Abstr.) (Rus)
- [Receptor pharmacology (6): Hormone receptors and predictive tests in tumor therapy] Gustafsson JA, et al. *Lakartidningen* 75(44):4038-9, 1 Nov 78 (Eng. Abstr.) (Swe)

## PHYSIOLOGY

- Cardiovascular responses to blockade of angiotensin and alpha-adrenergic receptors. Borucki LJ, et al. *Am J Physiol* 235(3):F199-202, Sep 78
- Neonatal parathyroid secretion and renal receptor maturation in premature infants. Mallet E, et al. *Biol Neonate* 33(5-6):304-8, 1978
- Hormone-receptor interactions. The message sequence of alpha-melanotropin: demonstration of two active sites. Eberle A, et al. *Clin Endocrinol (Oxf)* 5 Suppl:41S-48S, 1976
- The assay of 1alpha,25-dihydroxyvitamin D<sub>3</sub>: physiologic and pathologic modulation of circulating hormone levels. Haussler MR, et al. *Clin Endocrinol (Oxf)* 5 Suppl:151S-165S, 1976
- Cross inhibition models for the transmission of hormonal signals. Van Cauter E, et al. *J Theor Biol* 73(4):657-77, 21 Aug 78
- Hormonal regulation of membrane receptors and cell responsiveness: a review. Tell GP, et al. *Metabolism* 27(10):1566-92, Oct 78
- [Primary effect of hormones. I. Steroid hormones] Schlatterer B. *DTW* 85(10):394-400, 5 Oct 78 (Eng. Abstr.) (Ger)
- [Hormone unresponsiveness--its concepts] Imura H. *Nippon Rinsho Suppl*:1502-3, May 78 (Jpn)
- [Application of hormone receptor assay for clinical chemistry (authors's transl)] Sato S. *Rinsho Byori* 26(6):493-501, Jun 78 (Jpn)

## RECEPTORS, PROGESTERONE

An association between steroid hormone receptors and

- response to cytotoxic chemotherapy in patients with metastatic breast cancer. Allegra JC, et al. *Cancer Res* 38(11 Pt 2):4299-304, Nov 78
- Human renal cell carcinoma as a hormone-dependent tumor. Concolino G, et al. *Cancer Res* 38(11 Pt 2):4340-4, Nov 78
- Relation between steroid receptor content and the response to hormone addition in isolated human breast cancer cells in short-term culture. Israel N, et al. *Cancer Res* 38(11 Pt 2):4314-7, Nov 78
- Steroid receptors in human breast cancer. McGuire WL. *Cancer Res* 38(11 Pt 2):4289-91, Nov 78
- Estradiol and progesterone receptor levels in human breast adenocarcinoma in relation to plasma estrogen and progesterone levels. Saez S, et al. *Cancer Res* 38(10):3468-73, Oct 78
- Steroid hormones and endometrial cancer. Siiteri PK. *Cancer Res* 38(11 Pt 2):4360-6, Nov 78 (74 ref.)

## ANALYSIS

- Distribution of cytoplasmic estrogen and progesterone receptors in human endometrium. Tsibris JC, et al. *Am J Obstet Gynecol* 132(4):449-54, 15 Oct 78
- Use of the vertical rotor to facilitate estrogen and progesterone receptor analysis. Hofman LF, et al. *Clin Chem* 24(9):1609-11, Sep 78
- Treatment of early breast cancer [editorial] *Lancet* 2(8092 Pt 1):717-8, 30 Sep 78
- Current concepts in cancer. Receptors in breast cancer. Lippman ME, et al. *N Engl J Med* 299(17):930-3, 26 Oct 78

## BIOSYNTHESIS

- Impeding estrogens and the etiology of breast cancer. Wotiz HH, et al. *Cancer Res* 38(11 Pt 2):4012-20, Nov 78 (43 ref.)

## DRUG EFFECTS

- Impeding estrogens and the etiology of breast cancer. Wotiz HH, et al. *Cancer Res* 38(11 Pt 2):4012-20, Nov 78 (43 ref.)

## IMMUNOLOGY

- Structure of chick progesterone receptors. Schrader WT, et al. *Cancer Res* 38(11 Pt 2):4199-203, Nov 78

## ISOLATION &amp; PURIFICATION

- Structure of chick progesterone receptors. Schrader WT, et al. *Cancer Res* 38(11 Pt 2):4199-203, Nov 78

## METABOLISM

- Structure of chick progesterone receptors. Schrader WT, et al. *Cancer Res* 38(11 Pt 2):4199-203, Nov 78
- Association between steroid hormone receptors and response rate to cytotoxic chemotherapy in metastatic breast cancer. Allegra JC, et al. *Cancer Treat Rep* 62(9):1281-6, Sep 78
- Steroid binding in the hypothalamus and pituitary. Raynaud JP, et al. *Curr Top Mol Endocrinol* 3:171-89, 1976
- Characteristics of the purified uteroglobin-like protein from rabbit lung. Beato M, et al. *J Reprod Fertil* 53(2):305-14, Jul 78
- Characterization of progesterone receptors and metabolism of progesterone in the normal and cancerous human mammary gland. Verma U, et al. *J Steroid Biochem* 9(6):569-77, Jun 78
- Steroid-induced meiotic division in *Xenopus laevis* oocytes: surface and calcium. Baulieu EE, et al. *Nature* 275(5681):593-8, 19 Oct 78 (82 ref.)

## RECEPTORS, PROSTAGLANDIN

- Prostaglandins: physiology, biochemistry, pharmacology and clinical applications. Elattar TM. *J Oral Pathol* 7(4):175-207, Aug 78 (0 ref.)

## PHYSIOLOGY

- Prostaglandins: their biological and pharmacological role. Vapaatalo H, et al. *Med Biol* 56(4):163-83, Aug 78
- Hormonal regulation of membrane receptors and cell responsiveness: a review. Tell GP, et al. *Metabolism* 27(10):1566-92, Oct 78



## RECEPTORS, STEROID

Nov 78

## IMMUNOLOGY

- Adrenal steroid feedback on neuroendocrine tissues. McEwen BS. *Ann NY Acad Sci* 297:568-79, 28 Oct 77
- Nature of steroid-glucocorticoid receptor interactions: thermodynamic analysis of the binding reaction. Wolff ME, et al. *Biochemistry* 17(16):3201-8, 8 Aug 78
- An association between steroid hormone receptors and response to cytotoxic chemotherapy in patients with metastatic breast cancer. Allegra JC, et al. *Cancer Res* 38(11 Pt 2):4299-304, Nov 78
- Glucocorticoid receptors and sensitivity of isolated human leukemia and lymphoma cells. Crabtree GR, et al. *Cancer Res* 38(11 Pt 2):4268-72, Nov 78
- Prognostic value of steroid receptor determination in leukemia. Duval D, et al. *Cancer Res* 38(11 Pt 2):4263-7, Nov 78 (79 ref.)
- Establishment and characterization of three new continuous cell lines derived from human breast carcinomas. Engel LW, et al. *Cancer Res* 38(10):3352-64, Oct 78
- Dihydrotestosterone concentration in prostate cancer tissue as a predictor of tumor differentiation and hormonal dependency. Geller J, et al. *Cancer Res* 38(11 Pt 2):4349-52, Nov 78
- Discrepancies between in vivo and in vitro effects of glucocorticoids in myelomonocytic leukemic cells with steroid receptors. Iacobelli S, et al. *Cancer Res* 38(11 Pt 2):4257-62, Nov 78
- Animal models of the hormone-sensitive and -insensitive prostatic adenocarcinomas. Dunning R-3327-H, R-3327-HI, and R-3327-AT. Isaacs JT, et al. *Cancer Res* 38(11 Pt 2):4353-9, Nov 78
- Clinical implications of glucocorticoid receptors in human leukemia. Lippman ME, et al. *Cancer Res* 38(11 Pt 2):4251-6, Nov 78

## ANALYSIS

- A simple, rapid, and precise method for calculating the steroid hormone-receptor complex concentration in the presence of saturating levels of hormone by using 'differential dissociation' techniques. Richard-Foy H, et al. *Anal Biochem* 88(2):367-81, 1 Aug 78
- Adrenal steroid feedback on neuroendocrine tissues. McEwen BS. *Ann NY Acad Sci* 297:568-79, 28 Oct 77
- Glucocorticoid receptors and sensitivity of isolated human leukemia and lymphoma cells. Crabtree GR, et al. *Cancer Res* 38(11 Pt 2):4268-72, Nov 78
- Prognostic value of steroid receptor determination in leukemia. Duval D, et al. *Cancer Res* 38(11 Pt 2):4263-7, Nov 78 (79 ref.)
- Correlation between clinical response to hormone therapy and steroid receptor content in prostatic cancer. Gustafsson JA, et al. *Cancer Res* 38(11 Pt 2):4345-8, Nov 78
- Structure requirements and affinity of steroids to bind with receptor for induction of differentiation of cultured mouse myeloid leukemia cells. Honma Y, et al. *Gan* 68(4):405-12, Aug 77
- Current concepts in cancer. Receptors in breast cancer. Lippman ME, et al. *N Engl J Med* 299(17):930-3, 26 Oct 78
- Regulatory effect of steroid hormones on the growth of human malignant melanoma. Chaudhuri PK, et al. *Proc Inst Med Chic* 32(3):45-7, Jul-Sep 78
- Steroid receptors in human prostatic cancer: a preliminary evaluation. de Voogt HJ, et al. *Urol Res* 6(3):151-8, 1 Sep 78
- [Effects of various drugs on the formation of a complex of prostatic cytosol receptor protein and dihydrotestosterone] Yamanaka H, et al. *Horumon To Rinsho* 26(1):89-92, Jan 78 (Jpn)

## DRUG EFFECTS

- Oestrogen induced Leydig cell refractoriness to gonadotrophin stimulation. Saez JM, et al. *Acta Endocrinol (Copenh)* 89(2):379-92, Oct 78
- Pharmacological induction of ovulation in old and neonatally androgenized rats. Lehman JR, et al. *Exp Gerontol* 13(3-4):107-14, 1978
- Endotoxin-glucocorticoid interactions with hormone specific receptors in the rat. Agarwal MK. *Toxicol Suppl* (1):857-68, 1978

## GENETICS

- Glucocorticoid resistance in murine lymphoma and thymoma lines. Bourgeois S, et al. *Cancer Res* 38(11 Pt 2):4279-84,

- 25-hydroxycholecalciferol-binding protein: partial purification from rat duodenal mucosa cells. Cloix JF, et al. *Biochem Biophys Res Commun* 83(4):1456-63, 29 Aug 78

## ISOLATION &amp; PURIFICATION

- Extraction of nuclear glucocorticoid-receptor complexes with pyridoxal phosphate. Cidlowski JA, et al. *Biochem Biophys Res Commun* 82(4):1140-6, 29 Jun 78
- 25-hydroxycholecalciferol-binding protein: partial purification from rat duodenal mucosa cells. Cloix JF, et al. *Biochem Biophys Res Commun* 83(4):1456-63, 29 Aug 78
- Purification of two dexamethasone-binding proteins from rat-liver cytosol. Govindan MV, et al. *Eur J Biochem* 89(1):95-104, 15 Aug 78

## METABOLISM

- Molecular mechanisms of steroid hormone action. Higgins SJ, et al. *Adv Cancer Res* 28:313-97, 1978 (458 ref.)
- Glucocorticoid receptors in the guinea pig. Hodgson AJ, et al. *Am J Physiol* 235(3):R115-20, Sep 78
- Tissue dependent receptor binding of 9alpha fluorohydrocortisone. Agarwal MK, et al. *Biochem Biophys Res Commun* 83(1):1-6, 14 Jul 78
- 25-hydroxycholecalciferol-binding protein: partial purification from rat duodenal mucosa cells. Cloix JF, et al. *Biochem Biophys Res Commun* 83(4):1456-63, 29 Aug 78
- Mechanisms of replenishment of nuclear androgen receptor in rat ventral prostate. Van Doorn E, et al. *Biochem J* 174(1):9-16, 15 Jul 78
- Binding of some non-steroidal anti-inflammatory drugs to glucocorticoid receptors in vitro. Feldman D. *Biochem Pharmacol* 27(8):1187-91, 1978
- Nature of steroid-glucocorticoid receptor interactions: thermodynamic analysis of the binding reaction. Wolff ME, et al. *Biochemistry* 17(16):3201-8, 8 Aug 78
- Discrepancies between in vivo and in vitro effects of glucocorticoids in myelomonocytic leukemic cells with steroid receptors. Iacobelli S, et al. *Cancer Res* 38(11 Pt 2):4257-62, Nov 78
- Restoration by adrenalectomy of weight and binding capacity of glucocorticoid receptors of the thymus in AH 130 tumor-bearing rats. Isohashi F, et al. *Cancer Res* 38(11 Pt 2):4243-5, Nov 78
- Unique steroid congeners for receptor studies. Ojasoo T, et al. *Cancer Res* 38(11 Pt 2):4186-98, Nov 78 (78 ref.)
- Association between steroid hormone receptors and response rate to cytotoxic chemotherapy in metastatic breast cancer. Allegra JC, et al. *Cancer Treat Rep* 62(9):1281-6, Sep 78
- Problems in the development of cytotoxic moieties linked to hormones. Lippman ME, et al. *Cancer Treat Rep* 62(8):1267-8, Aug 78
- Steroid-nucleosides. van Lier JE, et al. *Cancer Treat Rep* 62(8):1251-3, Aug 78
- Steroid binding in the hypothalamus and pituitary. Raynaud JP, et al. *Curr Top Mol Endocrinol* 3:171-89, 1976
- Factors modifying equilibrium between activated and non-activated forms of steroid-receptor complexes. Bailly A, et al. *Eur J Biochem* 88(2):623-32, 1 Aug 78
- Reduction in [3H]-corticosterone binding to cytoplasmic receptors in the brain of diabetic rats. Fridman O, et al. *J Steroid Biochem* 9(7):609-14, Jul 78
- Hepatic glucocorticoid receptors and the H-2 locus. Butley MS, et al. *Nature* 275(5676):136-8, 14 Sep 78
- Isolation and characterization of L-cell variants with altered sensitivity to glucocorticoids. Venetianer A, et al. *Somatic Cell Genet* 4(5):513-30, Sep 78
- Corticosteroid receptors in the avian kidney. Charest-Boulé L, et al. *Steroids* 32(1):109-26, Jul-Aug 78
- Further consideration of systematic errors present in protein-ligand interactions. Saiduddin S, et al. *Steroids* 32(1):51-9, Jul-Aug 78
- [Action mechanism of steroids—with special reference to the nuclear acceptor] Ichii S. *Horumon To Rinsho* 26(8):737-42, Aug 78 (Jpn)
- [Analysis of the interaction of glucocorticoid receptors obtained from rat liver with DNA in a aqueous dextran-polyethylene glycol biphasic system] Akhrem AA, et al. *Biokhimiia* 43(7):1184-9, Jul 78 (Eng. Abstr.) (Rus)
- ['System of recognition' (or 'system of preference') for corticosteroids in the hepatocyte plasmatic membrane] Sergeev PV, et al. *Farmakol Toksikol* 41(5):597-601,

- Sep-Oct 78 (Eng. Abstr.) (Rus)  
[Receptor pharmacology (6): Hormone receptors and  
predictive tests in tumor therapy] Gustafsson JA, et al.  
Lakartidningen 75(44):4038-9, 1 Nov 78 (Eng. Abstr.)  
(Swe)

## PHYSIOLOGY

- [Steroid hormone receptor: its function and regulation] Kato  
J. Nippon Rinsho Suppl:1506-7, May 78 (Jpn)  
[The mechanism of the effect of glucocorticoids] Alexandrová  
M. Cesk Fysiol 27(4):317-31, 1978 (Slo)



## REVIEW SECTION

### ACROMEGALY

#### DRUG THERAPY

Clinical implications of growth hormone release inhibiting hormone (GH-RH). Besser GM.  
*Curr Top Mol Endocrinol* 3:115-25, 1976 (19 ref.)

### ADRENAL CORTEX

#### METABOLISM

Prostaglandins and calcium-membrane interactions in secretory glands. Rubin RP, et al. *Ann NY Acad Sci* 307:377-90, 28 Apr 78 (51 ref.)

### ADRENAL CORTEX HORMONES

#### BIOSYNTHESIS

Application of the Sousa (John Phillip) principles to medical research: the role of cyclic nucleotides in hormone and drug action. Bransome ED Jr. *Trans Am Clin Climatol Assoc* 89:172-83, 1977 (47 ref.)

#### THERAPEUTIC USE

[Desquamative interstitial pneumonia. Peripheral eosinophilia in DIP: a new clinical aspect (author's transl)] Rubin R, et al. *Prax Klin Pneumol* 32(9):598-612, Sep 78 (49 ref.) (Eng. Abstr.) (Ger)  
[Chronic hepatitis: when and how to treat? (author's transl)] Paumgartner G. *Ther Umsch* 35(9):716-20, Sep 78 (35 ref.) (Eng. Abstr.) (Ger)

### ADRENAL GLAND NEOPLASMS

#### DIAGNOSIS

Pheochromocytoma: critical review of experiences with diagnosis and treatment. Ohman U, et al.  
*Prog Clin Cancer* 7:135-52, 1978 (108 ref.)

#### PATHOLOGY

Tumours of the adrenal gland. Hollander CF, et al.  
*IARC Sci Publ* (6):273-93, 1976 (34 ref.)

### ALDOSTERONE

#### SECRETION

[The renin-angiotensin-aldosterone system in diabetics] Kokot F. *Pol Tyg Lek* 33(31):1235-6, 31 Jul 78 (25 ref.) (Pol)

### BONE AND BONES

#### PATHOLOGY

Bone growth and development in protein-calorie malnutrition. Himes JH. *World Rev Nutr Diet* 28:143-87, 1978 (264 ref.)

### CALCIFICATION, PHYSIOLOGIC

Ca<sup>2+</sup> transport by chondrocyte mitochondria of the epiphyseal growth plate. Lee NH, et al. *J Membr Biol* 41(4):349-60, 18 Jul 78 (43 ref.)

### CALCIUM

The structural and functional roles of metal ions in thermolysin. Roche RS, et al. *CRC Crit Rev Biochem* 5(1):1-23, 1978 (59 ref.)

#### METABOLISM

Ca<sup>2+</sup> -ions as coupling agents in enzymatic differentiation and carbohydrate metabolism of cultured muscle cells. Schudt C, et al. *Adv Enzyme Regul* 16:121-39, 3-4 Oct 77 (87 ref.)

The regulation of intracellular calcium in giant axons of *Loligo* and *Myxicola*. Baker PF. *Ann NY Acad Sci* 307:250-68, 28 Apr 78 (50 ref.)

The calcium conductance of neurons. Brown AM, et al. *Ann NY Acad Sci* 307:330-44, 28 Apr 78 (29 ref.)

The regulation of intracellular calcium by mitochondria. Carafoli E, et al. *Ann NY Acad Sci* 307:269-84, 28 Apr 78 (62 ref.)

Vitamin D and calcium transport. DeLuca HF. *Ann NY Acad Sci* 307:356-76, 28 Apr 78 (88 ref.)

Calcium-induced release of calcium from the sarcoplasmic reticulum of skinned cells from adult human, dog, cat, rabbit, rat, and frog hearts and from fetal and new-born rat ventricles. Fabiato A, et al. *Ann NY Acad Sci* 307:491-522, 28 Apr 78 (51 ref.)

Transport and accumulation of calcium in mitochondria. Lehninger AL, et al. *Ann NY Acad Sci* 307:160-76, 28 Apr 78 (59 ref.)

A survey of the hormonal factors that control calcium metabolism. MacIntyre I, et al. *Ann NY Acad Sci* 307:345-55, 28 Apr 78 (15 ref.)

Regulation of calcium fluxes and their regulatory roles in pancreatic islets. Malaisse WJ, et al. *Ann NY Acad Sci* 307:562-82, 28 Apr 78 (77 ref.)

Intracellular and extracellular calcium ions in transmitter release at the neuromuscular synapse. Rahamimoff R, et al. *Ann NY Acad Sci* 307:583-98, 28 Apr 78 (52 ref.)

Prostaglandins and calcium-membrane interactions in secretory glands. Rubin RP, et al. *Ann NY Acad Sci* 307:377-90, 28 Apr 78 (51 ref.)

Calcium in human red blood cells. Schatzmann HJ, et al. *Ann NY Acad Sci* 307:125-47, 28 Apr 78 (50 ref.)

Electron probe analysis of calcium compartments in cryo sections of smooth and striated muscles. Somlyo AP, et al. *Ann NY Acad Sci* 307:523-44, 28 Apr 78 (65 ref.)

Calcium ions and membrane current changes induced by digitals in cardiac Purkinje fibers. Tsien RW, et al. *Ann NY Acad Sci* 307:483-90, 28 Apr 78 (14 ref.)

Problems in the analysis of dynamic tracer studies. Reeve J,

## REVIEW SECTION

- et al. *Clin Sci Mol Med* 55(3):225-30, Sep 78 (38 ref.)  
 Regulation of calcium by vascular smooth muscle cellular components. pp. 157-71. Allen JC.  
 In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (35 ref.)  
 Calcium, calcium translocation, and specific calcium antagonists. pp. 3-31. Rosenberger L, et al.  
 In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (135 ref.)  
 Effects of opiate drugs on the metabolism of calcium in synaptic tissue. pp. 241-59. Ross DH.  
 In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (75 ref.)  
 Ca<sup>2+</sup> transport by chondrocyte mitochondria of the epiphyseal growth plate. Lee NH, et al. *J Membr Biol* 41(4):349-60, 18 Jul 78 (43 ref.)

### PHYSIOLOGY

- Calcium ion regulation in barnacle muscle fibers and its relation to force development. Ashley CC.  
*Ann NY Acad Sci* 307:308-29, 28 Apr 78 (46 ref.)  
 The regulation of intracellular calcium in presynaptic nerve terminals. Blaustein MP, et al. *Ann NY Acad Sci* 307:195-212, 28 Apr 78 (54 ref.)  
 The regulatory role of calcium in muscle. Ebashi S, et al. *Ann NY Acad Sci* 307:451-61, 28 Apr 78 (26 ref.)  
 Calcium in (junctional) intercellular communication and a thought on its behavior in intracellular communication. Loewenstein WR, et al. *Ann NY Acad Sci* 307:285-307, 28 Apr 78 (47 ref.)  
 The role of calcium in pancreatic acinar cell stimulus-secretion coupling: an electrophysiological approach. Peterson OH, et al. *Ann NY Acad Sci* 307:599-617, 28 Apr 78 (44 ref.)  
 The regulation of calcium in skeletal muscle. Stephenson EW, et al. *Ann NY Acad Sci* 307:462-76, 28 Apr 78 (37 ref.)  
 Calcium and neurosecretion. Thorn NA, et al. *Ann NY Acad Sci* 307:618-39, 28 Apr 78 (72 ref.)  
 Calcium in excitation of vertebrate rods and cones: retinal efflux of calcium studied with dichlorophosphonazo III. Yoshikami S, et al. *Ann NY Acad Sci* 307:545-61, 28 Apr 78 (33 ref.)  
 Calcium ion as second messenger. Rasmussen H, et al. *Clin Endocrinol (Oxf)* 5 Suppl:11S-27S, 1976 (65 ref.)  
 The role of calcium in blood platelet function. pp. 197-239. Feinstein MB.  
 In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (201 ref.)  
 Surface calcium in the heart: its function and role in drug action. pp. 33-56. Frank JS.  
 In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (44 ref.)  
 Calcium related basis of action of vascular agents: cellular approaches. pp. 331-54. Goodman FR.  
 In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (73 ref.)  
 Calcium in smooth muscle function. pp. 75-93. Hurwitz L, et al.  
 In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (53 ref.)  
 Role of calcium in desensitization at the motor end-plate of skeletal muscle. pp. 289-313. Parsons RL.  
 In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (53 ref.)  
 Role of calcium in the actions of agents affecting membrane permeability. pp. 173-94. Putney JW Jr.  
 In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (47 ref.)  
 Effects of calcium on adenylate cyclase, as part of the Ca<sup>2+</sup>-cAMP feedback in biological communication. pp. 97-133. Rodan GA.  
 In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (135 ref.)  
 Prostaglandins, calcium, and cyclic nucleotides in stimulus-response coupling. pp. 135-55. Rubin RP, et al.  
 In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (97 ref.)  
 Calcium and neuromuscular transmission. pp. 261-87. Van der Kloot W.  
 In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (100 ref.)  
 Control of pancreatic enzyme secretion: a critique on the role of calcium. Chandler DE. *Life Sci* 23(4):323-33, 24 Jul 78 (72 ref.)  
 Role of calcium in the regulation of adenohypophysial hormone release. Moriarty CM. *Life Sci* 23(3):185-94, 17 Jul 78 (54 ref.)

## CHOLECALCIFEROLS

The chemistry and conformational and biological analysis of vitamin D<sub>3</sub>, its metabolites and analogues. Norman AW, et al. *Clin Endocrinol (Oxf)* 5 Suppl:121S-143S, 1976 (30 ref.)

### METABOLISM

[Vitamin D<sub>3</sub> metabolism in renal failure (author's transl)] Ogura Y. *Nippon Naika Gakkai Zasshi* 67(7):683-93, 10 Jul 78 (46 ref.) (Jpn)

## CONTRACEPTIVES, ORAL

### ADVERSE EFFECTS

Oral and intrauterine contraception: a 1978 risk assessment. Rosenfield A. *Am J Obstet Gynecol* 132(1):92-106, 1 Sep 78 (92 ref.)  
 Hormonal steroid contraceptives: a further review of adverse reactions. McQueen EG. *Drugs* 16(4):322-57, Oct 78 (127 ref.)  
 Liver oncogenesis and steroids. Christopherson WM, et al. *Prog Clin Cancer* 7:153-63, 1978 (38 ref.)  
 [In defense of the pill] Goldzieher JW. *Gynecol Obstet Mex* 44(262):123-52, Aug 78 (44 ref.) (Eng. Abstr.) (Spa)

### PHARMACODYNAMICS

[Changes in laboratory tests after treatment with a new contraceptive agent] Cervantes LF, et al. *Gynecol Obstet Mex* 43(258):285-97, Apr 78 (70 ref.) (Eng. Abstr.) (Spa)

## CONTRACEPTIVES, ORAL, HORMONAL

### ADVERSE EFFECTS

Hormonal steroid contraceptives: a further review of adverse reactions. McQueen EG. *Drugs* 16(4):322-57, Oct 78 (127 ref.)  
 [In defense of the pill] Goldzieher JW. *Gynecol Obstet Mex* 44(262):123-52, Aug 78 (44 ref.) (Eng. Abstr.) (Spa)

## CORTICOTROPIN

### PHYSIOLOGY

Application of the Sousa (John Phillip) principles to medical research: the role of cyclic nucleotides in hormone and drug action. Bransome ED Jr. *Trans Am Clin Climatol Assoc* 89:172-83, 1977 (47 ref.)

### SECRETION

Unifying concept of non-pituitary ACTH-secreting tumors: evidence of common origin of neural-crest tumors, carcinoids, and oat-cell carcinomas. Skrabanek P, et al. *Cancer* 42(3):1263-9, Sep 78 (0 ref.)

## CORTICOTROPIN RELEASING HORMONE

### PHYSIOLOGY

[Regulation of the adenohypophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. III. Corticotropin releasing hormone, prolactin releasing hormone, prolactostatin, melanotropin releasing hormone, melanostatin] Blech W. *Endokrinologie* 71(3):325-36, Mar 78 (86 ref.) (Ger)



## REVIEW SECTION

### CRYPTORCHISM

Current concepts of the undescended testis. Shapiro SR, et al. *Surg Gynecol Obstet* 147(4):617-25, Oct 78 (109 ref.)

### DEXAMETHASONE

#### ANALOGS & DERIVATIVES

Desoxymethasone: a review of its pharmacological properties and therapeutic efficacy in the treatment of dermatoses. Heel RC, et al. *Drugs* 16(4):302-21, Oct 78 (81 ref.)

#### PHARMACODYNAMICS

Hormonal induction of mammary tumor viruses and its implications for carcinogenesis. McGrath CM, et al. *Cancer Res* 38(11 Pt 2):4112-25, Nov 78 (60 ref.)

### ENDOCRINE DISEASES

#### ETIOLOGY

[Thymic deficiency and autoimmune diseases of the endocrine organs] Nishizuka Y. *Horumon To Rinsho* 26(8):731-6, Aug 78 (13 ref.) (Jpn)

### ENDOCRINE GLANDS

#### EMBRYOLOGY

Neuroendocrine embryology and the APUD concept. Pearce AG, et al. *Clin Endocrinol (Oxf)* 5 Suppl:229S-244S, 1976 (51 ref.)

### ENDORPHINS

#### HISTORY

Peptides in the brain: the new endocrinology of the neuron. Guillemin R. *Science* 202(4366):390-402, 27 Oct 78 (119 ref.)

### ESTRIOL

#### PHARMACODYNAMICS

Impeding estrogens and the etiology of breast cancer. Wotiz HH, et al. *Cancer Res* 38(11 Pt 2):4012-20, Nov 78 (43 ref.)

### ESTROGENS

#### ADVERSE EFFECTS

The role of hormones in endometrial cancer. Gambrell RD Jr. *South Med J* 71(10):1280-6, 1293, Oct 78 (45 ref.)

#### PHYSIOLOGY

Steroid hormones and endometrial cancer. Siiteri PK. *Cancer Res* 38(11 Pt 2):4360-6, Nov 78 (74 ref.)

### ESTROGENS, SYNTHETIC

#### ADVERSE EFFECTS

Role of exogenous female hormones in altering the risk of benign and malignant neoplasms in humans. Thomas DB. *Cancer Res* 38(11 Pt 2):3991-4000, Nov 78 (98 ref.)

#### PHARMACODYNAMICS

Impeding estrogens and the etiology of breast cancer. Wotiz HH, et al. *Cancer Res* 38(11 Pt 2):4012-20, Nov 78 (43 ref.)

### ESTRONE

#### PHYSIOLOGY

Steroid hormones and endometrial cancer. Siiteri PK. *Cancer Res* 38(11 Pt 2):4360-6, Nov 78 (74 ref.)

### ETHINYL ESTRADIOL

#### PHARMACODYNAMICS

[Changes in laboratory tests after treatment with a new contraceptive agent] Cervantes LF, et al. *Ginecol Obstet Mex* 43(258):285-97, Apr 78 (70 ref.) (Eng. Abstr.) (Spa)

### FSH

#### METABOLISM

Neuroendocrine aspects of reproduction in experimental malnutrition. pp. 306-12. Srebnik HH, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (27 ref.)

#### SECRETION

Role of sex steroids on LH and FSH secretion in the rat. Ferland L, et al. *Curr Top Mol Endocrinol* 3:191-209, 1976 (35 ref.)

### GLUCOCORTICOIDS

#### PHARMACODYNAMICS

Molecular mechanisms of steroid hormone action. Higgins SJ, et al. *Adv Cancer Res* 28:313-97, 1978 (458 ref.) Interactions of anti-inflammatory steroids with PG system in adipose tissue. Lewis GP, et al. *Biochem Pharmacol* 27(10):1409-12, 15 May 78 (24 ref.)

#### PHYSIOLOGY

Induction of cleft palates by triamcinolone acetate: re-examination of the problem. Bekhor I, et al. *Cleft Palate J* 15(3):220-32, Jul 78 (76 ref.)

### GONADOTROPINS, PITUITARY

#### SECRETION

Suppression of gonadotropin release and ovulation in animals by inhibitory analogs of luteinizing hormone-releasing hormone. Coy DH, et al. *Curr Top Mol Endocrinol* 3:339-54, 1976 (22 ref.)

### HORMONES

#### BLOOD

Endocrine responses to malnutrition in man. pp. 321-9. Jaya Rao KS. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (38 ref.)

Endocrine concomitants of the sleep-wake rhythm in man. pp. 124-31. Quabbe HJ. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (34 ref.)

#### IMMUNOLOGY

[Effect of hormones on cellular and humoral immunity in pregnancy] Gulianskii LN. *Akush Ginekol (Mosk)* (9):1-5, Sep 78 (47 ref.) (Rus)

## REVIEW SECTION

### PHARMACODYNAMICS

Molecular mechanisms of steroid hormone action. Higgins SJ, et al. *Adv Cancer Res* 28:313-97, 1978 (458 ref.)

### PHYSIOLOGY

An overview of hormone-associated cancers. Miller AB. *Cancer Res* 38(11 Pt 2):3985-90, Nov 78 (47 ref.)

Case for a renomedullary blood pressure lowering hormone. Muirhead EE. *Contrib Nephrol* 12:69-81, 1978 (43 ref.)

Annual endocrine cycles and environment in birds with special reference to male ducks. pp. 52-60. Assenmacher I, et al.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (33 ref.)

Endocrine response in osmoregulation: hormonal adaptation in aquatic birds. pp. 230-9. Holmes WN.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (35 ref.)

Seasonal variations in the endocrine system of hibernators. pp. 103-10. Johansson BW.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (45 ref.)

Hormones and mammalian osmoregulation. pp. 240-50. Macfarlane WV.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (34 ref.)

Endocrine responses to acoustic stresses. pp. 262-9. Metz B, et al.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (35 ref.)

Osmoregulation and hormones in reptiles. pp. 217-21. Skadhauge E.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (17 ref.)

Hormonal regulation of salt and water balance in granivorous birds. pp. 22-9. Skadhauge E.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (26 ref.)

### SECRETION

[Circadian rhythms in man. Their incidence in endocrinology (author's transl)] Mainard F, et al. *Pathol Biol (Paris)* 26(5):255-64, May-Jun 78 (93 ref.) (Eng. Abstr.) (Fre)

## HORMONES, ECTOPIC

### BIOSYNTHESIS

Ectopic insulin and Occam's razor: reappraisal of the riddle of tumour hypoglycaemia. Skrabanek P, et al. *Clin Endocrinol (Oxf)* 9(2):141-54, Aug 78 (123 ref.)

### SECRETION

Unifying concept of non-pituitary ACTH-secreting tumors: evidence of common origin of neural-crest tumors, carcinoids, and oat-cell carcinomas. Skrabanek P, et al. *Cancer* 42(3):1263-9, Sep 78 (0 ref.)

Concepts in ectopic hormone production. Rees LH. *Clin Endocrinol (Oxf)* 5 Suppl:363S-372S, 1976 (58 ref.)

Tumor products and potential markers in small cell lung cancer Richardson RL, et al. *Semin Oncol* 5(3):253-62, Sep 78 (79 ref.)

[Functioning tumors with special reference to ectopic hormone producing tumors (author's transl)] Imura H, et al. *Tanpakushitsu Kakusan Koso* 23(6):641-56, May 78 (67 ref.) (Jpn)

## HYDROCORTISONE

Hydrocortisone revisited. An historical and experimental evaluation. Kligman AM, et al. *Cutis* 22(2):232-44, Aug 78 (52 ref.)

## HYPERPARATHYROIDISM

### BLOOD

Clinical applications and technical aspects of parathyroid hormone measurements. Bouillon R. *Ric Clin Lab* 8(1-2):75-86, Jan-Jun 78 (65 ref.)

## HYPOTHALAMIC HORMONES

### HISTORY

Peptides in the brain: the new endocrinology of the neuron. Guillemin R. *Science* 202(4366):390-402, 27 Oct 78 (119 ref.)

### PHYSIOLOGY

Aspects of hypothalamic regulation of the pituitary gland. Schally AV. *Science* 202(4363):18-28, 6 Oct 78 (136 ref.)

## HYPOTHALAMO-HYPOPHYSEAL SYSTEM

### DRUG EFFECTS

The effects of reserpine on hypothalamo-pituitary adrenocortical function. Vellucci SV. *Gen Pharmacol* 9(5):275-85, 1978 (98 ref.)

### PHYSIOLOGY

Relation of the hypothalamo-pituitary-gonadal system to decline of reproductive functions in aging female rats. Meites J, et al. *Curr Top Mol Endocrinol* 3:3-20, 1976 (29 ref.)

The hypothalamo-hypophyseal system: model for central peptidergic and monoaminergic transmission. Fink G, et al. *Int Rev Physiol* 17:1-48, 1978 (288 ref.)

Peptides in the brain: the new endocrinology of the neuron. Guillemin R. *Science* 202(4366):390-402, 27 Oct 78 (119 ref.)

[Role of central monoaminergic brain structures in regulating the function of the supraoptic-hypophyseal neurosecretory system] Popovichenko NV. *Fiziol Zh* 24(5):641-50, Sep-Oct 78 (67 ref.) (Eng. Abstr.) (Rus)

## HYPOTHALAMUS

### ANALYSIS

Isolation and characterization of hypothalamic peptide hormones. Burgus R, et al. *Curr Top Mol Endocrinol* 3:355-72, 1976 (50 ref.)

### PHYSIOLOGY

New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al. *Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)

Aspects of hypothalamic regulation of the pituitary gland. Schally AV. *Science* 202(4363):18-28, 6 Oct 78 (136 ref.)

[Regulation of the adenohypophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. III. Corticotropin releasing hormone, prolactin releasing hormone, prolactostatin, melanotropin releasing hormone, melanostatin] Blech W. *Endokrinologie* 71(3):325-36, Mar 78 (86 ref.) (Ger)

[Hypothalamus and its role in the mechanisms of ascending and descending influences] Makarchenko AF. *Fiziol Zh* 24(5):579-88, Sep-Oct 78 (41 ref.) (Eng. Abstr.) (Rus)

[Sex differences in brain functioning and effects related to them] Vunder PA. *Usp Sovrem Biol* 86(1):129-42, Jul-Aug 78 (104 ref.) (Rus)

## LACTATION

The biological basis of lactation. Nichols BL, et al. *Compr Ther* 4(10):63-70, Oct 78 (14 ref.)

The dairy goat as a model in lactation studies. Larson BL. *J Dairy Sci* 61(7):1023-9, Jul 78 (37 ref.)



## REVIEW SECTION

### LH

#### METABOLISM

Neuroendocrine aspects of reproduction in experimental malnutrition. pp. 306-12. Srebnik HH, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (27 ref.)

#### SECRETION

Role of sex steroids on LH and FSH secretion in the rat. Ferland L, et al. *Curr Top Mol Endocrinol* 3:191-209, 1976 (35 ref.)

### LH-FSH RELEASING HORMONE

#### ANALOGS & DERIVATIVES

Suppression of gonadotropin release and ovulation in animals by inhibitory analogs of luteinizing hormone-releasing hormone. Coy DH, et al. *Curr Top Mol Endocrinol* 3:339-54, 1976 (22 ref.)

#### ANALYSIS

Immunohistochemical localization of hypothalamic hormones (especially LRF) at the light microscopy level. Barry J. *Curr Top Mol Endocrinol* 3:451-73, 1976 (118 ref.)  
Immunohistochemical localization of hypothalamic hormones at the electron microscope level. Pelletier G. *Curr Top Mol Endocrinol* 3:433-50, 1976 (23 ref.)

#### PHARMACODYNAMICS

In vivo methods for studying the action of hypothalamic hormones with special reference to their antisera as tools for investigation. Arimura A. *Curr Top Mol Endocrinol* 3:387-96, 1976 (25 ref.)

### MSH RELEASE INHIBITING HORMONE

#### PHYSIOLOGY

[Regulation of the adenohipophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. III. Corticotropin releasing hormone, prolactin releasing hormone, prolactostatin, melanotropin releasing hormone, melanostatin] Blech W. *Endokrinologie* 71(3):325-36, Mar 78 (86 ref.) (Ger)

### MSH RELEASING HORMONE

#### PHYSIOLOGY

[Regulation of the adenohipophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. III. Corticotropin releasing hormone, prolactin releasing hormone, prolactostatin, melanotropin releasing hormone, melanostatin] Blech W. *Endokrinologie* 71(3):325-36, Mar 78 (86 ref.) (Ger)

### NEUROSECRETORY SYSTEMS

#### DRUG EFFECTS

Neuroendocrine consequences of chemical indolectomy. Jacoby JH, et al. *Ann NY Acad Sci* 305:387-98, 12 Jun 78 (123 ref.)

### NORGESTREL

#### ANALOGS & DERIVATIVES

[Changes in laboratory tests after treatment with a new contraceptive agent] Cervantes LF, et al.

*Ginecol Obstet Mex* 43(258):285-97, Apr 78 (70 ref.) (Eng. Abstr.) (Spa)

### OSTEOGENESIS IMPERFECTA

[Osteogenesis imperfecta. Classification with new aspects for pathogenesis and therapy (author's transl)] Harnisch R, et al. *Monatsschr Kinderheilkd* 126(10):597-606, Oct 78 (139 ref.) (Eng. Abstr.) (Ger)

### OSTEOPOROSIS

#### ETIOLOGY

[Phosphorus and calcium metabolism disorders in gastrectomized patients] Puşcaş I. *Rev Med Interna [Med Interna]* 30(4):289-98, Jul-Aug 78 (30 ref.) (Rum)

### OVARIAN NEOPLASMS

#### ETIOLOGY

An overview of hormone-associated cancers. Miller AB. *Cancer Res* 38(11 Pt 2):3985-90, Nov 78 (47 ref.)  
Role of exogenous female hormones in altering the risk of benign and malignant neoplasms in humans. Thomas DB. *Cancer Res* 38(11 Pt 2):3991-4000, Nov 78 (98 ref.)

#### PATHOLOGY

Tumours of the ovary. Carter RL, et al. *IARC Sci Publ* (6):189-200, 1976 (40 ref.)

### OVARY

#### PHYSIOLOGY

Relation of the hypothalamo-pituitary-gonadal system to decline of reproductive functions in aging female rats. Meites J, et al. *Curr Top Mol Endocrinol* 3:3-20, 1976 (29 ref.)

### OVULATION

#### DRUG EFFECTS

Suppression of gonadotropin release and ovulation in animals by inhibitory analogs of luteinizing hormone-releasing hormone. Coy DH, et al. *Curr Top Mol Endocrinol* 3:339-54, 1976 (22 ref.)

### PARATHYROID HORMONE

#### BLOOD

Clinical applications and technical aspects of parathyroid hormone measurements. Bouillon R. *Ric Clin Lab* 8(1-2):75-86, Jan-Jun 78 (65 ref.)

#### PHYSIOLOGY

Chemistry and physiology of parathyroid hormone. Potts JT Jr. *Clin Endocrinol (Oxf)* 5 Suppl:307S-315S, 1976 (43 ref.)

### PHEOCHROMOCYTOMA

#### DIAGNOSIS

Pheochromocytoma: critical review of experiences with diagnosis and treatment. Ohman U, et al. *Prog Clin Cancer* 7:135-52, 1978 (108 ref.)

#### EMBRYOLOGY

Unifying concept of non-pituitary ACTH-secreting tumors:

## REVIEW SECTION

evidence of common origin of neural-crest tumors, carcinoids, and oat-cell carcinomas. Skrabanek P, et al. *Cancer* 42(3):1263-9, Sep 78 (0 ref.)

### PINEAL BODY

#### PHYSIOLOGY

Photoperiodic mechanism in hamsters: the participation of the pineal gland. pp. 94-102. Hoffmann K. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (39 ref.)

#### ULTRASTRUCTURE

The ultrastructure of pinealocytes in the golden mole (*Amblysomus hottentotus*) with special reference to the granular vesicles. Pevet P, et al. *Cell Tissue Res* 191(1):39-56, 13 Jul 78 (60 ref.)

### PITUITARY-ADRENAL SYSTEM

#### DRUG EFFECTS

The effects of reserpine on hypothalamo-pituitary adrenocortical function. Vellucci SV. *Gen Pharmacol* 9(5):275-85, 1978 (98 ref.)

### PITUITARY GLAND

#### METABOLISM

A comparison of the effects of anti-psychotic drugs on pituitary, striatal and limbic system post-synaptic dopamine receptors. Meltzer HY, et al. *Life Sci* 23(6):605-9, 14 Aug 78 (26 ref.)

### PITUITARY GLAND, ANTERIOR

#### METABOLISM

New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al. *Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)

#### PHYSIOLOGY

Applications of adenohipophyseal cell cultures to neuroendocrine studies. Vale W, et al. *Curr Top Mol Endocrinol* 3:397-429, 1976 (72 ref.)

Aspects of hypothalamic regulation of the pituitary gland. Schally AV. *Science* 202(4363):18-28, 6 Oct 78 (136 ref.)

[Regulation of the adenohipophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. IV. Somatostatin and somatotropin releasing hormones] Blech W. *Endokrinologie* 72(1):77-118, Apr 78 (240 ref.) (Ger)

[Regulation of the adenohipophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. III. Corticotropin releasing hormone, prolactin releasing hormone, prolactostatin, melanotropin releasing hormone, melanostatin] Blech W. *Endokrinologie* 71(3):325-36, Mar 78 (86 ref.) (Ger)

#### SECRETION

Neuropharmacological aspects of the neural control of prolactin secretion. Clemens JA. *Curr Top Mol Endocrinol* 3:283-301, 1976 (34 ref.)

Role of prostaglandins (PGs) in the control of adenohipophyseal hormone secretion. McCann SM, et al. *Curr Top Mol Endocrinol* 3:21-35, 1976 (36 ref.)

Role of brain monoamines and histamine in regulation of anterior pituitary secretion. Weiner RI, et al. *Physiol Rev* 58(4):905-76, Oct 78 (509 ref.)

### PITUITARY GLAND, POSTERIOR

#### PHYSIOLOGY

Neurohypophyseal principles and memory processes. van Ree JM, et al. *Biochem Pharmacol* 27(14):1793-800, 1978 (113 ref.)

### PITUITARY HORMONE RELEASE INHIBITING HORMONES

#### ISOLATION & PURIFICATION

Isolation and characterization of hypothalamic peptide hormones. Burgus R, et al. *Curr Top Mol Endocrinol* 3:355-72, 1976 (50 ref.)

#### PHARMACODYNAMICS

Applications of adenohipophyseal cell cultures to neuroendocrine studies. Vale W, et al. *Curr Top Mol Endocrinol* 3:397-429, 1976 (72 ref.)

### PITUITARY HORMONE RELEASING HORMONES

The development of the releasing factor concept. Fink G. *Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)

#### ISOLATION & PURIFICATION

Isolation and characterization of hypothalamic peptide hormones. Burgus R, et al. *Curr Top Mol Endocrinol* 3:355-72, 1976 (50 ref.)

#### PHARMACODYNAMICS

Pharmacology of hypothalamic regulatory peptides. Vale W, et al. *Clin Endocrinol (Oxf)* 5 Suppl:261S-273S, 1976 (41 ref.)

Applications of adenohipophyseal cell cultures to neuroendocrine studies. Vale W, et al. *Curr Top Mol Endocrinol* 3:397-429, 1976 (72 ref.)

#### PHYSIOLOGY

New aspects of the mechanism of action of hypothalamic regulatory hormones. Labrie F, et al. *Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)

### PITUITARY HORMONES, ANTERIOR

#### SECRETION

Role of prostaglandins (PGs) in the control of adenohipophyseal hormone secretion. McCann SM, et al. *Curr Top Mol Endocrinol* 3:21-35, 1976 (36 ref.)

Role of calcium in the regulation of adenohipophysial hormone release. Moriarty CM. *Life Sci* 23(3):185-94, 17 Jul 78 (54 ref.)

### PITUITARY NEOPLASMS

[Practical value of new knowledge on the structure and function of pituitary adenomas] Landolt AM. *Schweiz Med Wochenschr* 108(40):1521-35, 7 Oct 78 (76 ref.) (Eng. Abstr.) (Ger)

#### PATHOLOGY

Tumours of the pituitary gland. Furth J, et al. *IARC Sci Publ* (6):201-37, 1976 (113 ref.)



## REVIEW SECTION

### PLACENTA DISORDERS

#### PATHOLOGY

Tumours of the vagina, uterus, placenta and oviduct. Baba N, et al. *IARC Sci Publ* 6:161-88, 1976 (111 ref.)

### PROGESTERONE

#### PHARMACODYNAMICS

Steroid-induced meiotic division in *Xenopus laevis* oocytes: surface and calcium. Baulieu EE, et al. *Nature* 275(5681):593-8, 19 Oct 78 (82 ref.)

### PROLACTIN

Control of prolactin secretion in man. Bohnet HG, et al. *Curr Top Mol Endocrinol* 3:257-81, 1976 (143 ref.)

Immunostaining of growth hormone and prolactin in paraffin-embedded and stored or previously stained materials. Halmi NS. *J Histochem Cytochem* 26(7):486-95, Jul 78 (25 ref.)

#### METABOLISM

A survey of the hormonal factors that control calcium metabolism. MacIntyre I, et al. *Ann NY Acad Sci* 307:345-55, 28 Apr 78 (15 ref.)

Hormonal control of liver prolactin receptors. Kelly PA, et al. *Curr Top Mol Endocrinol* 3:321-35, 1976 (27 ref.)

Neuroendocrine aspects of reproduction in experimental malnutrition. pp. 306-12. Srebnik HH, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (27 ref.)

#### SECRETION

Neuropharmacological aspects of the neural control of prolactin secretion. Clemens JA.

*Curr Top Mol Endocrinol* 3:283-301, 1976 (34 ref.)  
[Prolactin] Lamberts SW, et al. *Ned Tijdschr Geneeskd* 122(36):1327-34, 9 Sep 78 (47 ref.) (Dut)

### PROLACTIN RELEASE INHIBITING HORMONE

#### PHYSIOLOGY

[Regulation of the adenohypophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. III. Corticotropin releasing hormone, prolactin releasing hormone, prolactostatin, melanotropin releasing hormone, melanostatin] Blech W. *Endokrinologie* 71(3):325-36, Mar 78 (86 ref.) (Ger)

### PROLACTIN RELEASING HORMONE

#### PHYSIOLOGY

[Regulation of the adenohypophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. III. Corticotropin releasing hormone, prolactin releasing hormone, prolactostatin, melanotropin releasing hormone, melanostatin] Blech W. *Endokrinologie* 71(3):325-36, Mar 78 (86 ref.) (Ger)

### RENIN

#### BLOOD

Renin as a predictor of hypertensive complications. Kirkendall WM, et al. *Ann NY Acad Sci* 304:147-60, 30 Mar 78 (54 ref.)

#### PHYSIOLOGY

The second Volhard Lecture: The use of blocking agents to define the functions of the renin-angiotensin system. Davis JO. *Clin Sci Mol Med* 48 Suppl 2:3s-14s, Jun 75 (39 ref.)

#### SECRETION

Neural control of renin release. Zanchetti A, et al.

*Clin Sci Mol Med* 48 Suppl 2:215s-223s, Jun 75 (63 ref.)

Intra-renal factors in renin release. Peart WS.

*Contrib Nephrol* 12:5-15, 1978 (60 ref.)

[The renin-angiotensin-aldosterone system in diabetics] Kokot F. *Pol Tyg Lek* 33(31):1235-6, 31 Jul 78 (25 ref.) (Pol)

### SEX HORMONES

#### PHYSIOLOGY

Role of sex steroids on LH and FSH secretion in the rat. Ferland L, et al. *Curr Top Mol Endocrinol* 3:191-209, 1976 (35 ref.)

### SOMATOTROPIN

Immunostaining of growth hormone and prolactin in paraffin-embedded and stored or previously stained materials. Halmi NS. *J Histochem Cytochem* 26(7):486-95, Jul 78 (25 ref.)

#### IMMUNOLOGY

[Hormonal control of immune reactivity] Dimitrov V, et al. *Vutr Boles* 17(4):8-15, 1978 (78 ref.) (Bul)

#### METABOLISM

A survey of the hormonal factors that control calcium metabolism. MacIntyre I, et al. *Ann NY Acad Sci* 307:345-55, 28 Apr 78 (15 ref.)

#### SECRETION

Psychoendocrinology and growth hormone: a review. Brown GM, et al. *Psychoneuroendocrinology* 3(2):131-53, Apr 78 (112 ref.)

### SOMATOTROPIN RELEASE INHIBITING HORMONE

Somatostatin and the endocrine pancreas. Gerich JE.

*Curr Top Mol Endocrinol* 3:127-43, 1976 (54 ref.)

[Somatostatin (author's transl)] Chorváthová V.

*Cesk Gastroenterol Vyz* 32(3):188-93, Apr 78 (31 ref.) (Eng. Abstr.) (Slo)

#### ANALYSIS

Immunohistochemical localization of hypothalamic hormones (especially LRF) at the light microscopy level. Barry J.

*Curr Top Mol Endocrinol* 3:451-73, 1976 (118 ref.)

Immunohistochemical localization of hypothalamic hormones at the electron microscope level. Pelletier G.

*Curr Top Mol Endocrinol* 3:433-50, 1976 (23 ref.)

#### PHARMACODYNAMICS

In vivo methods for studying the action of hypothalamic hormones with special reference to their antisera as tools for investigation. Arimura A. *Curr Top Mol Endocrinol* 3:387-96, 1976 (25 ref.)

Clinical implications of growth hormone release inhibiting hormone (GH-RIH). Besser GM.

*Curr Top Mol Endocrinol* 3:115-25, 1976 (19 ref.)

#### PHYSIOLOGY

[Regulation of the adenohypophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. IV. Somatostatin and somatotropin releasing hormones] Blech W. *Endokrinologie* 72(1):77-118, Apr 78 (240 ref.) (Ger)

## REVIEW SECTION

### SOMATOTROPIN RELEASING HORMONE

#### PHYSIOLOGY

[Regulation of the adenohypophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. IV. Somatostatin and somatotropin releasing hormones] Blech W. *Endokrinologie* 72(1):77-118, Apr 78 (240 ref.) (Ger)

### STEROIDS

#### ADVERSE EFFECTS

Liver oncogenesis and steroids. Christopherson WM, et al. *Prog Clin Cancer* 7:153-63, 1978 (38 ref.)

#### METABOLISM

Unique steroid congeners for receptor studies. Ojasoo T, et al. *Cancer Res* 38(11 Pt 2):4186-98, Nov 78 (78 ref.)

#### PHARMACODYNAMICS

Molecular mechanisms of steroid hormone action. Higgins SJ, et al. *Adv Cancer Res* 28:313-97, 1978 (458 ref.)

### TESTICULAR DISEASES

#### COMPLICATIONS

[Testicular varicocele and infertility: the unsolved problem] Weiss SB, et al. *Harefuah* 94(10):330-2, 15 May 78 (66 ref.) (Heb)

### TESTICULAR NEOPLASMS

#### PATHOLOGY

Tumours of the testis. Mostofi FK, et al. *IARC Sci Publ* (6):135-50, 1976 (57 ref.)

### TESTOSTERONE

#### BIOSYNTHESIS

[Testosterone, its biosynthesis, transport and metabolism] Panaiotov D. *Vutr Boles* 17(4):15-21, 1978 (38 ref.) (Bul)

#### METABOLISM

Neuroendocrine aspects of reproduction in experimental malnutrition. pp. 306-12. Srebnik HH, et al. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (27 ref.)

### THYROID DISEASES

#### DIAGNOSIS

[Help for the medical decision. Logical method and application to thyroid pathology] Roux M, et al. *Sem Hop Paris* 54(13-16):554-2, May 78 (17 ref.) (Fre)

#### PHYSIOPATHOLOGY

Neurotransmitter mechanisms during mental illness induced by alterations in thyroid function. Singhal RL, et al. *Adv Pharmacol Chemother* 15:203-62, 1978 (250 ref.)  
Gut-thyroid interrelationships. Miller LJ, et al. *Gastroenterology* 75(5):901-11, Nov 78 (204 ref.)  
The assessment of thyroid function and structure. Bain J, et al. *Otolaryngol Clin North Am* 11(2):419-43, Jun 78 (27 ref.)

### THYROID GLAND

#### PHYSIOLOGY

Gut-thyroid interrelationships. Miller LJ, et al. *Gastroenterology* 75(5):901-11, Nov 78 (204 ref.)

#### PHYSIOPATHOLOGY

The assessment of thyroid function and structure. Bain J, et al. *Otolaryngol Clin North Am* 11(2):419-43, Jun 78 (27 ref.)

### THYROID HORMONES

#### PHYSIOLOGY

Gut-thyroid interrelationships. Miller LJ, et al. *Gastroenterology* 75(5):901-11, Nov 78 (204 ref.)  
The thyroid hormones: a thesis concerning their action. Hulbert AJ. *J Theor Biol* 73(1):81-100, 6 Jul 78 (101 ref.)

### THYROID NEOPLASMS

#### PATHOLOGY

Tumours of the thyroid gland. Napalkov NP. *IARC Sci Publ* (6):239-71, 1976 (86 ref.)

### TRIAMCINOLONE ACETONIDE

Induction of cleft palates by triamcinolone acetonide: re-examination of the problem. Bekhor I, et al. *Cleft Palate J* 15(3):220-32, Jul 78 (76 ref.)

### VASOPRESSINS

#### PHYSIOLOGY

Cellular interactions between vasopressin and prostaglandins in the mammalian kidney. Dousa TP, et al. *Contrib Nephrol* 12:106-15, 1978 (55 ref.)

### VITAMIN D

#### METABOLISM

A survey of the hormonal factors that control calcium metabolism. MacIntyre I, et al. *Ann NY Acad Sci* 307:345-55, 28 Apr 78 (15 ref.)

#### PHARMACODYNAMICS

Vitamin D and calcium transport. DeLuca HF. *Ann NY Acad Sci* 307:356-76, 28 Apr 78 (88 ref.)



## METHOD SECTION

### AUTORADIOGRAPHY

#### METHODS

On the metabolism of two adrenocorticotrophin analogues.  
Baker JR, et al. *Clin Endocrinol (Oxf)* 5 Suppl:61S-72S, 1976  
ANIMAL/ AUTORADIOGRAPHY, methods/  
CHROMATOGRAPHY, ION EXCHANGE/  
\*CORTICOTROPIN, analogs & derivatives/  
CORTICOTROPIN, blood/ CORTICOTROPIN,  
metabolism/ \*COSYNTROPIN, metabolism/ KIDNEY,  
metabolism/ MALE/ RATS/ TISSUE  
DISTRIBUTION/ TISSUE EXTRACTS

### BIOLOGICAL ASSAY

Influence of the purity of the iodinated tracer on the specificity  
of the radioimmunoassay of human luteinizing hormone.  
Suginami H, et al. *Acta Endocrinol (Copenh)* 89(3):506-20,  
Nov 78

BIOLOGICAL ASSAY/ CHROMATOGRAPHY,  
GEL/ FSH, analysis/ HUMAN/ IMMUNE SERUMS/  
IMMUNOENZYME TECHNIQS/ \*IODINE  
RADIOISOTOPES, diagnostic use/ ISOTOPE  
LABELING/ \*LH, analysis/ LH, isolation &  
purification/ \*RADIOIMMUNOASSAY, methods

Assays and dynamics of corticotropin-releasing factor activity  
in rat hypothalamus. Hiroshige T, et al.

*Ann NY Acad Sci* 297:436-54, 28 Oct 77

ANIMAL/ \*BIOLOGICAL ASSAY/  
COMPARATIVE STUDY/ \*CORTICOTROPIN  
RELEASING HORMONE, metabolism/  
CORTICOTROPIN, secretion/ CYCLOHEXIMIDE,  
pharmacodynamics/ DEXAMETHASONE,  
pharmacodynamics/ FEMALE/ \*HYPOTHALAMUS,  
metabolism/ IN VITRO/ METHODS/ PITUITARY  
GLAND, ANTERIOR, physiology/ RATS

Bioassay of ACTH using isolated cortex cells. Applications:  
structure activity relationship for ACTH and analogues,  
assay of corticotropin-releasing factor, and assay of plasma  
ACTH. Sayers G. *Ann NY Acad Sci* 297:220-41, 28 Oct  
77

\*ADRENAL CORTEX, drug effects/ ANIMAL/  
\*BIOLOGICAL ASSAY/ COMPARATIVE STUDY/  
CORTICOSTERONE, analysis/ CORTICOTROPIN  
RELEASING HORMONE, pharmacodynamics/  
\*CORTICOTROPIN, analysis/ CORTICOTROPIN,  
blood/ CORTICOTROPIN, pharmacodynamics/  
DOSE-RESPONSE RELATIONSHIP, DRUG/  
HUMAN/ IN VITRO/ MALE/ METHODS/ RATS/  
STRUCTURE-ACTIVITY RELATIONSHIP/  
UNITED STATES GOV'T SUPPORTED/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.

Nerve growth factor in mouse and rat serum: correlation  
between bioassay and radioimmunoassay determinations.  
Suda K, et al. *Proc Natl Acad Sci USA* 75(8):4042-6, Aug  
78

ANIMAL/ ANTIBODIES/ BINDING SITES,  
ANTIBODY/ \*BIOLOGICAL ASSAY/ BLOOD  
PROTEINS, metabolism/ COMPARATIVE STUDY/  
GANGLIA, SPINAL/ MICE/ \*NERVE GROWTH  
FACTOR, blood/ NERVE GROWTH FACTOR,  
immunology/ \*RADIOIMMUNOASSAY/  
RADIOIMMUNOASSAY, methods/ RATS

### CENTRIFUGATION, DENSITY GRADIENT

#### INSTRUMENTATION

Use of the vertical rotor to facilitate estrogen and progesterone  
receptor analysis. Hofman LF, et al. *Clin Chem*  
24(9):1609-11, Sep 78

\*BREAST NEOPLASMS, analysis/  
CENTRIFUGATION, DENSITY GRADIENT,  
instrumentation/ CENTRIFUGATION, DENSITY  
GRADIENT, methods/ COMPARATIVE STUDY/  
FEMALE/ HUMAN/ \*RECEPTORS, ESTROGEN,  
analysis/ \*RECEPTORS, PROGESTERONE, analysis

#### METHODS

Use of the vertical rotor to facilitate estrogen and progesterone  
receptor analysis. Hofman LF, et al. *Clin Chem*  
24(9):1609-11, Sep 78

\*BREAST NEOPLASMS, analysis/  
CENTRIFUGATION, DENSITY GRADIENT,  
instrumentation/ CENTRIFUGATION, DENSITY  
GRADIENT, methods/ COMPARATIVE STUDY/  
FEMALE/ HUMAN/ \*RECEPTORS, ESTROGEN,  
analysis/ \*RECEPTORS, PROGESTERONE, analysis

### CHROMATOGRAPHY

#### METHODS

Indirect methods of assessing thyroid function. Protein-bound  
iodine and thyroxine by column chromatography, a 1976  
CAP survey. Thiessen MM, et al. *Am J Clin Pathol* 70(3  
Suppl):511-2, Sep 78

\*CHROMATOGRAPHY, methods/ EVALUATION  
STUDIES/ HUMAN/ PATHOLOGY/  
\*PROTEIN-BOUND IODINE TEST, methods/  
SOCIETIES, MEDICAL/ \*TECHNOLOGY,  
MEDICAL, standards/ \*THYROXINE, blood/  
UNITED STATES

### CHROMATOGRAPHY, AFFINITY

#### METHODS

Purification of human renin. Yokosawa H, et al.  
*Biochem Biophys Res Commun* 83(1):306-12, 14 Jul 78  
CHROMATOGRAPHY, AFFINITY, methods/  
HUMAN/ \*KIDNEY, enzymology/ \*RENIN, isolation  
& purification/ RENIN, metabolism/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.

### CHROMATOGRAPHY, DEAE-CELLULOSE

#### METHODS

[Use of the method of the ion-exchange paper precipitation  
of protein receptors to estradiol from the cytosol of the  
rat hypothalamus and uterus for the study of their

physicochemical characteristics] Peryshkova TA, et al. Lab Delo (9):542-7, 1978 (Eng. Abstr.) (Rus)  
 ANIMAL/ CHEMISTRY, PHYSICAL/  
 CHROMATOGRAPHY, DEAE-CELLULOSE,  
 methods/ CYTOSOL, analysis/ ENGLISH  
 ABSTRACT/ \*ESTRADIOL, isolation & purification/  
 FEMALE/ \*HYPOTHALAMUS, analysis/ RATS/  
 \*RECEPTORS, ESTROGEN, isolation & purification/  
 \*UTERUS, analysis

## CHROMATOGRAPHY, GAS

Steady-state urinary excretion method for determining bioequivalence of conjugated estrogen products. Johnson RN, et al. J Pharm Sci 67(9):1218-24, Sep 78  
 ADULT/ CHROMATOGRAPHY, GAS/  
 \*ESTROGENIC SUBSTANCES, CONJUGATED,  
 urine/ FEMALE/ HUMAN/ HYDROLYSIS/  
 MENOPAUSE/ METHODS/ MIDDLE AGE/  
 THERAPEUTIC EQUIVALENCY

### INSTRUMENTATION

[Method of determining testosterone in the blood on a Tsvet-104 gas chromatograph with a constant recombination rate detector] Bogdarin IuA. Probl Endokrinol (Mosk) 24(5):48-52, Sep-Oct 78 (Eng. Abstr.) (Rus)  
 ADULT/ \*CHROMATOGRAPHY, GAS,  
 instrumentation/ CHROMATOGRAPHY, GAS,  
 methods/ CHROMATOGRAPHY, THIN LAYER,  
 methods/ ENGLISH ABSTRACT/ HUMAN/ MALE/  
 \*TESTOSTERONE, blood/ VEINS

### METHODS

Pathways of steroid metabolism in vivo studied by deuterium labelling techniques. pp. 177-88. Baillie TA, et al. In: Baillie TA, ed. Stable isotopes. Baltimore, Univ Park Press, 1978. QV 20.5 I61s 1978.  
 CHROMATOGRAPHY, GAS, methods/  
 DEUTERIUM/ FEMALE/ HUMAN/ \*ISOTOPE  
 LABELING, methods/ MONOGRAPH/  
 \*PREGNANCY TRIMESTER, THIRD/  
 PREGNANCY/ \*PREGNANES, blood/ SPECTRUM  
 ANALYSIS, MASS, methods

[Method of determining testosterone in the blood on a Tsvet-104 gas chromatograph with a constant recombination rate detector] Bogdarin IuA. Probl Endokrinol (Mosk) 24(5):48-52, Sep-Oct 78 (Eng. Abstr.) (Rus)  
 ADULT/ \*CHROMATOGRAPHY, GAS,  
 instrumentation/ CHROMATOGRAPHY, GAS,  
 methods/ CHROMATOGRAPHY, THIN LAYER,  
 methods/ ENGLISH ABSTRACT/ HUMAN/ MALE/  
 \*TESTOSTERONE, blood/ VEINS

## CHROMATOGRAPHY, GEL

A heterologous radioimmunoassay for avian prolactin: application to the measurement of prolactin in the turkey. McNeilly AS, et al. Acta Endocrinol (Copenh) 89(1):60-9, Sep 78  
 ANIMAL/ CHROMATOGRAPHY, GEL/ CROSS  
 REACTIONS/ ESTRADIOL, pharmacodynamics/  
 FSH, blood/ IMMUNE SERUMS/ LH, blood/  
 PLACENTAL LACTOGEN, blood/ \*PROLACTIN,  
 blood/ PROLACTIN, immunology/  
 \*RADIOIMMUNOASSAY, methods/  
 SOMATOTROPIN, blood/ THYROTROPIN, blood/  
 \*TURKEYS, blood/ UNITED STATES GOV'T  
 SUPPORTED, P.H.S.

Influence of the purity of the iodinated tracer on the specificity of the radioimmunoassay of human luteinizing hormone. Suganami H, et al. Acta Endocrinol (Copenh) 89(3):506-20, Nov 78

BIOLOGICAL ASSAY/ CHROMATOGRAPHY,  
 GEL/ FSH, analysis/ HUMAN/ IMMUNE SERUMS/  
 IMMUNOENZYME TECHNIQS/ \*IODINE  
 RADIOISOTOPES, diagnostic use/ ISOTOPE  
 LABELING/ \*LH, analysis/ LH, isolation &  
 purification/ \*RADIOIMMUNOASSAY, methods

Convenient system for the simultaneous separation of

11-deoxycortisol and aldosterone by Sephadex LH-20 multiple column chromatography. Sippell WG, et al. J Chromatogr 146(2):333-6, 1 Sep 78  
 \*ALDOSTERONE, isolation & purification/  
 CHROMATOGRAPHY, GEL/ \*CORTODOXONE,  
 isolation & purification/ METHODS/  
 \*17-HYDROXYCORTICOSTEROIDS, isolation &  
 purification

Radioimmunoassays for prostaglandins. I. Technical validation of prostaglandin F<sub>2</sub>alpha measurements in human plasma using sephadex G-25 gel filtration. Thomas CM, et al. Prostaglandins 15(5):839-47, May 78  
 CHROMATOGRAPHY, GEL/ EVALUATION  
 STUDIES/ HUMAN/ METHODS/  
 \*PROSTAGLANDINS F, blood/  
 RADIOIMMUNOASSAY

Simultaneous radioimmunoassay of 5alpha-androstane-3alpha, 17beta-diol and 5alpha-androstane-3beta, 17beta-diol unconjugated and conjugated in human serum. Habrioux G, et al. Steroids 32(1):61-71, Jul-Aug 78  
 ADOLESCENCE/ ADULT/ \*ANDROSTANEDIOL,  
 blood/ \*ANDROSTANES, blood/ ANTIBODY  
 SPECIFICITY/ CHROMATOGRAPHY, GEL/  
 CHROMATOGRAPHY, THIN LAYER/ FEMALE/  
 HIRSUTISM, blood/ HUMAN/ HYDROLYSIS/  
 METHODS/ PREGNANCY/  
 RADIOIMMUNOASSAY/ STEREOISOMERS

### METHODS

Separation of prostaglandin metabolites on sephadex LH 20 columns. Hansen HS, et al. Prostaglandins 16(2):311-8, Aug 78  
 \*CHROMATOGRAPHY, GEL, methods/ HUMAN/  
 LUNG, metabolism/ \*PROSTAGLANDINS E, isolation  
 & purification/ PROSTAGLANDINS E, metabolism/  
 \*PROSTAGLANDINS F, isolation & purification/  
 PROSTAGLANDINS F, metabolism/ SOLVENTS

## CHROMATOGRAPHY, HIGH SPEED LIQUID

The quantitative determination of 5-S-cysteinyldopa and dopa in normal serum and in serum from patients with malignant melanoma by means of high-pressure liquid chromatography. Hansson C, et al. Clin Chim Acta 88(3):419-27, 15 Sep 78  
 CHROMATOGRAPHY, HIGH SPEED LIQUID/  
 \*CYSTEINYLDOPA, blood/ \*DOPA, analogs &  
 derivatives/ \*DOPA, blood/ DRUG STABILITY/  
 ELECTROCHEMISTRY/ HUMAN/ \*MELANOMA,  
 blood/ METHODS

### INSTRUMENTATION

Studies of microhigh-performance liquid chromatography. IV. Application of the micro pre-column method to the analysis of corticosteroids in serum. Ishii D, et al. J Chromatogr 156(1):173-80, 21 Aug 78  
 \*ADRENAL CORTEX HORMONES, blood/  
 ANIMAL/ CHROMATOGRAPHY, HIGH SPEED  
 LIQUID, instrumentation/ \*CHROMATOGRAPHY,  
 HIGH SPEED LIQUID, methods/ EVALUATION  
 STUDIES/ HORSES/ MICROCHEMISTRY/  
 RABBITS

### METHODS

High-pressure liquid chromatography of amino acids, peptides and proteins. V. Separation of thyroidal iodo-amino acids by hydrophilic ion-paired reversed-phase high-performance liquid chromatography. Hearn MT, et al. J Chromatogr 157:337-44, 21 Sep 78  
 CHROMATOGRAPHY, HIGH SPEED LIQUID,  
 methods/ \*THYROXINE, analysis/  
 \*TRIIODOTHYRONINE, analysis/  
 \*TRIODOOTHYRONINE, REVERSE, analysis

Studies of microhigh-performance liquid chromatography. IV. Application of the micro pre-column method to the analysis of corticosteroids in serum. Ishii D, et al. J Chromatogr 156(1):173-80, 21 Aug 78  
 \*ADRENAL CORTEX HORMONES, blood/  
 ANIMAL/ CHROMATOGRAPHY, HIGH SPEED  
 LIQUID, instrumentation/ \*CHROMATOGRAPHY,  
 HIGH SPEED LIQUID, methods/ EVALUATION



STUDIES/ HORSES/ MICROCHEMISTRY/  
RABBITS

Applications of paired ion high-pressure liquid chromatography to catecholamines and phenylephrine. Ghanekar AG, et al. *J Pharm Sci* 67(9):1247-50, Sep 78

CAPSULES, analysis/ \*CATECHOLAMINES, analysis/ CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ LEVODOPA, analysis/ METHODS/ METHYLDOPA, analysis/ \*PHENYLEPHRINE, analysis/ SOLUTIONS, analysis/ TABLETS, analysis

[Development and evaluation of a method of high pressure liquid chromatography for the determination of the level of degradation of thyroliiberin (TRH) in blood] Aratan S, et al. *C R Acad Sci [D] (Paris)* 286(23):1735-8, 12 Jun 78 (Eng. Abstr.) (Fre)

\*CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ ENGLISH ABSTRACT/ HUMAN/ KINETICS/ \*THYROTROPIN RELEASING HORMONE, blood/ THYROTROPIN RELEASING HORMONE, metabolism

CHROMATOGRAPHY, ION  
EXCHANGE

On the metabolism of two adrenocorticotrophin analogues. Baker JR, et al. *Clin Endocrinol (Oxf)* 5 Suppl:615-72S, 1976

ANIMAL/ AUTORADIOGRAPHY, methods/ CHROMATOGRAPHY, ION EXCHANGE/ \*CORTICOTROPIN, analogs & derivatives/ CORTICOTROPIN, blood/ CORTICOTROPIN, metabolism/ \*COSYNTROPIN, metabolism/ KIDNEY, metabolism/ MALE/ RATS/ TISSUE DISTRIBUTION/ TISSUE EXTRACTS

## CHROMATOGRAPHY, THIN LAYER

Modification of the radioenzymatic assay for the catecholamines. Martin IL, et al. *Biochem Pharmacol* 27(11):1519-20, 1978

CATECHOL METHYLTRANSFERASE, diagnostic use/ \*CATECHOLAMINES, analysis/ CHROMATOGRAPHY, THIN LAYER/ METHODS/ S-ADENOSYLMETHIONINE, diagnostic use/ TRITIUM, diagnostic use

Detection of estrogen-like compounds by thin-layer chromatography. Wortberg B, et al. *J Chromatogr* 156(1):205-10, 21 Aug 78

CHROMATOGRAPHY, THIN LAYER/ DIAZONIUM COMPOUNDS/ ESTRADIOL, analysis/ ESTRADIOL, analysis/ \*ESTROGENS, analysis/ \*ESTROGENS, SYNTHETIC, analysis/ ESTRONE, analysis/ MEAT, analysis/ METHODS/ ZERANOL, analysis

Simultaneous radioimmunoassay of 5alpha-androstane-3alpha, 17beta-diol and 5alpha-androstane-3beta, 17beta-diol unconjugated and conjugated in human serum. Habrioux G, et al. *Steroids* 32(1):61-71, Jul-Aug 78

ADOLESCENCE/ ADULT/ \*ANDROSTANEDIOL, blood/ \*ANDROSTANES, blood/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY, GEL/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ HIRSUTISM, blood/ HUMAN/ HYDROLYSIS/ METHODS/ PREGNANCY/ RADIOIMMUNOASSAY/ STEREOISOMERS

[Determination of aldosterone in urine and plasma (author's transl)] Herkner K, et al. *J Chromatogr* 146(2):273-81, 1 Sep 78 (Eng. Abstr.) (Ger)

\*ALDOSTERONE, analysis/ ALDOSTERONE, blood/ ALDOSTERONE, urine/ CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ HYDROLYSIS/ METHODS/ RADIOIMMUNOASSAY/ STEROIDS, analysis

## METHODS

[Separation of testosterone and epitestosterone on a thin layer of aluminum oxide] Naugofnykh EZ. *Lab Delo* (9):539-42, 1978 (Rus)

\*ALUMINUM OXIDE/ \*ALUMINUM/ CHROMATOGRAPHY, THIN LAYER, methods/

\*EPITESTOSTERONE, isolation & purification/  
\*TESTOSTERONE, isolation & purification

[Method of determining testosterone in the blood on a Tsvet-104 gas chromatograph with a constant recombination rate detector] Bogdarian IuA. *Probl Endokrinol (Mosk)* 24(5):48-52, Sep-Oct 78 (Eng. Abstr.) (Rus)

ADULT/ \*CHROMATOGRAPHY, GAS, instrumentation/ CHROMATOGRAPHY, GAS, methods/ CHROMATOGRAPHY, THIN LAYER, methods/ ENGLISH ABSTRACT/ HUMAN/ MALE/ \*TESTOSTERONE, blood/ VEINS

## COMPARATIVE STUDY

Discrepancies in thyroxine measurement in pregnancy between radioimmunoassay and competitive protein binding (Oxford StaT4). Baird SG, et al. *Ann Clin Biochem* 15(4):208-12, Jul 78

COMPARATIVE STUDY/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ \*PREGNANCY/ RADIOIMMUNOASSAY, methods/ RADIOLOGIC ASSAY/ REAGENT KITS, DIAGNOSTIC/ \*THYROXINE, blood

Scottish Immunoassay Support Service Quality Control scheme for thyroxine, triiodothyronine, and digoxin assays: analysis of first 18 months' experience. Ratcliffe WA, et al. *Ann Clin Biochem* 15(4):203-7, Jul 78

ANIMAL/ CATTLE/ COMPARATIVE STUDY/ CROSS REACTIONS/ \*DIGOXIN, blood/ HUMAN/ QUALITY CONTROL/ RADIOIMMUNOASSAY, methods/ RADIOLOGIC ASSAY/ REAGENT KITS, DIAGNOSTIC/ SCOTLAND/ \*THYROXINE, blood/ \*TRIIODOTHYRONINE, blood

Assays and dynamics of corticotropin-releasing factor activity in rat hypothalamus. Hiroshige T, et al. *Ann NY Acad Sci* 297:436-54, 28 Oct 77

ANIMAL/ \*BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ \*CORTICOTROPIN RELEASING HORMONE, metabolism/ CORTICOTROPIN, secretion/ CYCLOHEXIMIDE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ \*HYPOTHALAMUS, metabolism/ IN VITRO/ METHODS/ PITUITARY GLAND, ANTERIOR, physiology/ RATS

Bioassay of ACTH using isolated cortex cells. Applications: structure activity relationship for ACTH and analogues, assay of corticotropin-releasing factor, and assay of plasma ACTH. Sayers G. *Ann NY Acad Sci* 297:220-41, 28 Oct 77

\*ADRENAL CORTEX, drug effects/ ANIMAL/ \*BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ CORTICOSTERONE, analysis/ CORTICOTROPIN RELEASING HORMONE, pharmacodynamics/ \*CORTICOTROPIN, analysis/ CORTICOTROPIN, blood/ CORTICOTROPIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ IN VITRO/ MALE/ METHODS/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

Direct solid-phase 125I radioimmunoassay of serum cortisol. Brock P, et al. *Clin Chem* 24(9):1595-8, Sep 78

ANILINO NAPHTHALENESULFONATES/ COMPARATIVE STUDY/ CROSS REACTIONS/ HUMAN/ \*HYDROCORTISONE, blood/ IODINE RADIOISOTOPES/ RADIOIMMUNOASSAY, methods

Simple radioimmunoassay of cortisol in diluted samples of human plasma. Connolly TM, et al. *Clin Chem* 24(9):1468-72, Sep 78

COMPARATIVE STUDY/ CROSS REACTIONS/ FEMALE/ HUMAN/ \*HYDROCORTISONE, blood/ MICROCHEMISTRY/ PREGNANCY/ RADIOIMMUNOASSAY, methods

Use of polyethylene glycol in radioimmunoassay of human placental lactogen. Ermshar CL, et al. *Clin Chem* 24(10):1767-0, Oct 78

ANTIBODY SPECIFICITY/ COMPARATIVE STUDY/ HUMAN/ \*PLACENTAL LACTOGEN, analysis/ PLACENTAL LACTOGEN, blood/

\*POLYETHYLENE GLYCOLS/  
RADIOIMMUNOASSAY, methods/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.

Use of the vertical rotor to facilitate estrogen and progesterone  
receptor analysis. Hoffman LF, et al. *Clin Chem*  
24(9):1609-11, Sep 78

\*BREAST NEOPLASMS, analysis/  
CENTRIFUGATION, DENSITY GRADIENT,  
instrumentation/ CENTRIFUGATION, DENSITY  
GRADIENT, methods/ COMPARATIVE STUDY/  
FEMALE/ HUMAN/ \*RECEPTORS, ESTROGEN,  
analysis/ \*RECEPTORS, PROGESTERONE, analysis

Triiodothyronine uptake test in which antibody-coated tubes  
are used compared to two other tests in which precipitation  
separations are used. Szpunar WE, et al. *Clin Chem*  
24(9):1616-7, Sep 78

ANTIBODIES/ COMPARATIVE STUDY/ HUMAN/  
HYPERTHYROIDISM, blood/ HYPOTHYROIDISM,  
blood/ IMMUNOASSAY, methods/ PRECIPITIN  
TESTS/ SERUM GLOBULINS, metabolism/  
\*THYROXINE BINDING PROTEIN, blood/  
\*TRIIODOTHYRONINE, blood

Estrogen-like compounds and progesterone in male and  
female rats before puberty—I. Pattern and origin. Morera  
AM, et al. *J Steroid Biochem* 9(7):623-9, Jul 78

ADRENALECTOMY/ AGING/ ALPHA  
FETOPROTEINS/ ANIMAL/ CASTRATION/  
COMPARATIVE STUDY/ \*ESTRADIOL, blood/  
\*ESTRONE, blood/ FEMALE/ MALE/  
\*PROGESTERONE, blood/ RADIOIMMUNOASSAY,  
methods/ RATS/ SEX FACTORS/ \*SEX  
MATURATION

Nerve growth factor in mouse and rat serum: correlation  
between bioassay and radioimmunoassay determinations.  
Suda K, et al. *Proc Natl Acad Sci USA* 75(8):4042-6, Aug  
78

ANIMAL/ ANTIBODIES/ BINDING SITES,  
ANTIBODY/ \*BIOLOGICAL ASSAY/ BLOOD  
PROTEINS, metabolism/ COMPARATIVE STUDY/  
GANGLIA, SPINAL/ MICE/ \*NERVE GROWTH  
FACTOR, blood/ NERVE GROWTH FACTOR,  
immunology/ \*RADIOIMMUNOASSAY/  
RADIOIMMUNOASSAY, methods/ RATS

Radioimmunoassay of triiodothyronine and thyroxine in  
capillary blood. Ljunggren JG, et al.  
*Scand J Clin Lab Invest* 38(6):593-5, Oct 78

CAPILLARIES/ COMPARATIVE STUDY/  
HUMAN/ HYPERTHYROIDISM, blood/  
HYPOTHYROIDISM, blood/  
\*RADIOIMMUNOASSAY, methods/ \*THYROID  
FUNCTION TESTS, methods/ \*THYROXINE, blood/  
\*TRIIODOTHYRONINE, blood/ VEINS

[Simultaneous determination of plasma androgens in rats by  
mass fragmentography and isotope dilution] Jeannin JF, et  
al. *J Steroid Biochem* 9(7):615-22, Jul 78 (Eng. Abstr.)  
(Fre)

\*ANDROGENS, blood/ ANIMAL/ CARBON  
RADIOISOTOPES/ CHOLESTANES, blood/  
COMPARATIVE STUDY/ ENGLISH ABSTRACT/  
ISOTOPE LABELING, methods/ MALE/ MASS  
FRAGMENTOGRAPHY, methods/  
RADIOIMMUNOASSAY, methods/ RATS/  
TESTOSTERONE, blood

[Experimental and clinical evaluations of T4  
radioimmunoassay kit by a solid phase method—Konsul T4  
RIA] Koizumi K, et al. *Horomon To Rinsho* 26(8):821-4,  
Aug 78 (Jpn)

COMPARATIVE STUDY/ HUMAN/  
\*RADIOIMMUNOASSAY, methods/  
RADIOIMMUNOASSAY, standards/ \*REAGENT  
KITS, DIAGNOSTIC, standards/ \*THYROXINE,  
blood

[Comparative study of 2 different radioimmunoassays in the  
evaluation of plasma LH and FSH: I. Methods of double  
antibody (NIH) II. Serono's commercial kits]  
Fernández-Durango R, et al. *Rev Clin Esp* 150(1-2):25-30,  
Jul 78 (Eng. Abstr.) (Spa)

ANTIBODIES/ BINDING SITES, ANTIBODY,  
analysis/ COMPARATIVE STUDY/ ENGLISH  
ABSTRACT/ \*FSH, blood/ HUMAN/ \*LH, blood/  
RADIOIMMUNOASSAY, methods/ REAGENT KITS,  
DIAGNOSTIC/ UNITED STATES NATIONAL  
INSTITUTES OF HEALTH

## DENSITOMETRY

### METHODS

[Fundamental and clinical studies on the measurement of bone  
mineral content with bone mineral analyzer (author's transl)]  
Kousaka T, et al. *Kaku Igaku* 15(4):533-43, Jun 78 (Eng.  
Abstr.) (Jpn)  
ADOLESCENCE/ ADULT/ AGED/ AMERICIUM/  
\*BONE AND BONES, analysis/ CHILD/  
\*DENSITOMETRY, methods/ ENGLISH  
ABSTRACT/ FEMALE/ HUMAN/ IODINE  
RADIOISOTOPES/ MALE/ MIDDLE AGE/  
\*MINERALS, analysis

## DIALYSIS

Attempts to prepare 'insulin-free plasma' from human  
subjects: effects of serial dilution and insulin recovery studies  
on immunoreactive insulin activity of partially insulin-free  
plasma. Sankaran H, et al. *Acta Diabetol Lat* 15(3-4):133-42,  
May-Aug 78

\*ANTIGENS/ ANTIGENS, analysis/ DIALYSIS/  
FILTRATION/ HUMAN/ INSULIN ANTIBODIES/  
\*INSULIN, blood/ IODINE RADIOISOTOPES,  
diagnostic use/ METHODS/ RADIOIMMUNOASSAY

## FILTRATION

Attempts to prepare 'insulin-free plasma' from human  
subjects: effects of serial dilution and insulin recovery studies  
on immunoreactive insulin activity of partially insulin-free  
plasma. Sankaran H, et al. *Acta Diabetol Lat* 15(3-4):133-42,  
May-Aug 78

\*ANTIGENS/ ANTIGENS, analysis/ DIALYSIS/  
FILTRATION/ HUMAN/ INSULIN ANTIBODIES/  
\*INSULIN, blood/ IODINE RADIOISOTOPES,  
diagnostic use/ METHODS/ RADIOIMMUNOASSAY

## FLUORESCENCE

Fluorescence histochemistry of peptide hormone-producing  
cells: observations on the phenanthrenequinone method for  
the demonstration of arginine residues. Sundler F, et al.  
*Histochemistry* 56(3-4):221-7, 12 Jul 78

ADRENAL GLANDS, cytology/ ANIMAL/  
\*ARGININE, analysis/ CATS/ CATTLE/ DOGS/  
FLUORESCENCE/ GUINEA PIGS/  
\*HISTOCYTOCHEMISTRY, methods/ \*HORMONES,  
analysis/ MICE/ MODELS, CHEMICAL/  
PANCREAS, cytology/ \*PEPTIDES, analysis/  
PHENANTHRENE, diagnostic use/ PITUITARY  
GLAND, ANTERIOR, cytology/ PYLORIC  
ANTRUM, cytology/ RABBITS/ RATS/ SWINE/  
THYROID GLAND, cytology

## HISTOCYTOCHEMISTRY

### METHODS

Fluorescence histochemistry of peptide hormone-producing  
cells: observations on the phenanthrenequinone method for  
the demonstration of arginine residues. Sundler F, et al.  
*Histochemistry* 56(3-4):221-7, 12 Jul 78

ADRENAL GLANDS, cytology/ ANIMAL/  
\*ARGININE, analysis/ CATS/ CATTLE/ DOGS/  
FLUORESCENCE/ GUINEA PIGS/  
\*HISTOCYTOCHEMISTRY, methods/ \*HORMONES,  
analysis/ MICE/ MODELS, CHEMICAL/  
PANCREAS, cytology/ \*PEPTIDES, analysis/  
PHENANTHRENE, diagnostic use/ PITUITARY  
GLAND, ANTERIOR, cytology/ PYLORIC  
ANTRUM, cytology/ RABBITS/ RATS/ SWINE/  
THYROID GLAND, cytology



## IMMUNOASSAY

## METHODS

Triiodothyronine uptake test in which antibody-coated tubes are used compared to two other tests in which precipitation separations are used. Szpunar WE, et al. *Clin Chem* 24(9):1616-7, Sep 78

ANTIBODIES/ COMPARATIVE STUDY/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IMMUNOASSAY, methods/ PRECIPITIN TESTS/ SERUM GLOBULINS, metabolism/ \*THYROXINE BINDING PROTEIN, blood/ \*TRIIODOTHYRONINE, blood

## MASS FRAGMENTOGRAPHY

## METHODS

Quantitation of adrenaline and noradrenaline from human plasma by combined gas chromatography--high-resolution mass fragmentography. Jacob K, et al. *J Chromatogr* 146(2):221-6, 1 Sep 78

\*EPINEPHRINE, blood/ HUMAN/ MASS FRAGMENTOGRAPHY, methods/ METHODS/ \*NOREPINEPHRINE, blood

[Simultaneous determination of plasma androgens in rats by mass fragmentography and isotope dilution] Jeannin JF, et al. *J Steroid Biochem* 9(7):615-22, Jul 78 (Eng. Abstr.) (Fre)

\*ANDROGENS, blood/ ANIMAL/ CARBON RADIOISOTOPES/ CHOLESTANES, blood/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ ISOTOPE LABELING, methods/ MALE/ MASS FRAGMENTOGRAPHY, methods/ RADIOIMMUNOASSAY, methods/ RATS/ TESTOSTERONE, blood

## MICROCHEMISTRY

Simple radioimmunoassay of cortisol in diluted samples of human plasma. Connolly TM, et al. *Clin Chem* 24(9):1468-72, Sep 78

COMPARATIVE STUDY/ CROSS REACTIONS/ FEMALE/ HUMAN/ \*HYDROCORTISONE, blood/ MICROCHEMISTRY/ PREGNANCY/ RADIOIMMUNOASSAY, methods

Adrenal status assessed by direct radioimmunoassay of cortisol in whole saliva or parotid saliva. Walker RF, et al. *Clin Chem* 24(9):1460-3, Sep 78

\*ADRENAL GLANDS, physiology/ FEMALE/ HUMAN/ \*HYDROCORTISONE, analysis/ MALE/ MICROCHEMISTRY/ NORMAL VALUES/ \*PAROTID GLAND, analysis/ RADIOIMMUNOASSAY, methods/ \*SALIVA, analysis

Studies of microhigh-performance liquid chromatography. IV. Application of the micro pre-column method to the analysis of corticosteroids in serum. Ishii D, et al. *J Chromatogr* 156(1):173-80, 21 Aug 78

\*ADRENAL CORTEX HORMONES, blood/ ANIMAL/ CHROMATOGRAPHY, HIGH SPEED LIQUID, instrumentation/ \*CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ EVALUATION STUDIES/ HORSES/ MICROCHEMISTRY/ RABBITS

## POTENTIOMETRY

## INSTRUMENTATION

[A potentiometric determination of iodide in milk by use of the iron--selective electrode (author's transl)] Sucman E, et al. *Z Lebensm Unters Forsch* 167(1):5-6, 18 Aug 78 (Eng. Abstr.) (Ger)

ANIMAL/ CATTLE/ ELECTRODES/ ENGLISH ABSTRACT/ \*IODIDES, analysis/ \*MILK, analysis/ \*POTENTIOMETRY, instrumentation/ POTENTIOMETRY, methods

## METHODS

[A potentiometric determination of iodide in milk by use of the iron--selective electrode (author's transl)] Sucman E, et al. *Z Lebensm Unters Forsch* 167(1):5-6, 18 Aug 78 (Eng. Abstr.) (Ger)

ANIMAL/ CATTLE/ ELECTRODES/ ENGLISH ABSTRACT/ \*IODIDES, analysis/ \*MILK, analysis/ \*POTENTIOMETRY, instrumentation/ POTENTIOMETRY, methods

## PROTEIN BINDING

## DRUG EFFECTS

A sensitive radioimmunoassay for measurements of 3,3'-diiodothyronine in unextracted serum. Laurberg P. *Scand J Clin Lab Invest* 38(6):537-42, Oct 78

ANILINO NAPHTHALENESULFONATES, pharmacodynamics/ ANIMAL/ CROSS REACTIONS/ \*DIIODOTHYRONINES, blood/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MALE/ PROTEIN BINDING, drug effects/ RABBITS/ \*RADIOIMMUNOASSAY, methods/ \*THYRONINES, blood/ TRIIODOTHYRONINE, blood

## RADIOIMMUNOASSAY

Attempts to prepare 'insulin-free plasma' from human subjects: effects of serial dilution and insulin recovery studies on immunoreactive insulin activity of partially insulin-free plasma. Sankaran H, et al. *Acta Diabetol Lat* 15(3-4):133-42, May-Aug 78

\*ANTIGENS, analysis/ DIALYSIS/ FILTRATION/ HUMAN/ INSULIN ANTIBODIES/ \*INSULIN, blood/ IODINE RADIOISOTOPES, diagnostic use/ METHODS/ RADIOIMMUNOASSAY

A practical proposal for arginine-vasopressin radioimmunoassay. Moulin MA, et al. *Clin Chim Acta* 88(2):363-74, 1 Sep 78

ANTIBODY SPECIFICITY/ \*ARGIPRESSIN, analysis/ ARGIPRESSIN, blood/ ARGIPRESSIN, urine/ BRONCHIAL NEOPLASMS, urine/ CHARCOAL/ HUMAN/ IODINE RADIOISOTOPES, diagnostic use/ METHODS/ RADIOIMMUNOASSAY/ TIME FACTORS/ 6-AMINOCAPROIC ACID

Synthesis and biological activity of alpha-azapeptides: alpha-aza-analogues of luteinizing hormone releasing hormone. Dutta AS, et al. *Clin Endocrinol (Oxf)* 5 Suppl:291S-298S, 1976

AMINO ACID SEQUENCE/ \*AZA COMPOUNDS, chemical synthesis/ AZA COMPOUNDS, pharmacodynamics/ FEMALE/ LH, blood/ LH, metabolism/ \*LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, chemical synthesis/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ METHODS/ OVULATION, drug effects/ PITUITARY GLAND, metabolism/ RADIOIMMUNOASSAY/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP

Radioimmunoassay for danazol in human and monkey plasma. Peterson JE, et al. *J Pharm Sci* 67(10):1425-8, Oct 78

ANIMAL/ \*DANAZOL, blood/ FEMALE/ HUMAN/ METHODS/ MONKEYS/ \*PREGNADIENES, blood/ RADIOIMMUNOASSAY/ RADIOISOTOPE DILUTION TECHNIC/ RHESUS MONKEYS

Nerve growth factor in mouse and rat serum: correlation between bioassay and radioimmunoassay determinations. Suda K, et al. *Proc Natl Acad Sci USA* 75(8):4042-6, Aug 78

ANIMAL/ ANTIBODIES/ BINDING SITES, ANTIBODY/ \*BIOLOGICAL ASSAY/ BLOOD PROTEINS, metabolism/ COMPARATIVE STUDY/ GANGLIA, SPINAL/ MICE/ \*NERVE GROWTH FACTOR, blood/ NERVE GROWTH FACTOR, immunology/ \*RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, methods/ RATS

Radioimmunoassays for prostaglandins. II. Measurement of prostaglandin E2 and the 13,14-dihydro-15-keto

metabolites of the E and F series. Description of a reliable technique with a universal applicability. Thomas CM, et al. *Prostaglandins* 15(5):849-55, May 78  
HUMAN/ METHODS/ \*PROSTAGLANDINS E, blood/ \*PROSTAGLANDINS F, blood/ PROSTAGLANDINS, blood/ RADIOIMMUNOASSAY

Radioimmunoassays for prostaglandins. I. Technical validation of prostaglandin F<sub>2</sub>α measurements in human plasma using sephadex G-25 gel filtration. Thomas CM, et al. *Prostaglandins* 15(5):839-47, May 78  
CHROMATOGRAPHY, GEL/ EVALUATION STUDIES/ HUMAN/ METHODS/ \*PROSTAGLANDINS F, blood/ RADIOIMMUNOASSAY

Clinical applications and technical aspects of parathyroid hormone measurements. Bouillon R. *Ric Clin Lab* 8(1-2):75-86, Jan-Jun 78 (65 ref.)  
HUMAN/ \*HYPERPARATHYROIDISM, blood/ HYPOPARATHYROIDISM, blood/ LIVER, metabolism/ METHODS/ \*PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, metabolism/ RADIOIMMUNOASSAY/ REVIEW

Simultaneous radioimmunoassay of 5α-androstane-3α, 17β-diol and 5α-androstane-3β, 17β-diol unconjugated and conjugated in human serum. Habrioux G, et al. *Steroids* 32(1):61-71, Jul-Aug 78  
ADOLESCENCE/ ADULT/ \*ANDROSTANEDIOL, blood/ \*ANDROSTANES, blood/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY, GEL/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ HIRSUTISM, blood/ HUMAN/ HYDROLYSIS/ METHODS/ PREGNANCY/ RADIOIMMUNOASSAY/ STEREOISOMERS

Enzyme immunoassay for cortisol in serum using cortisol 21-amine. Kobayashi Y, et al. *Steroids* 32(1):137-44, Jul-Aug 78  
AMINES/ HUMAN/ \*HYDROCORTISONE, analogs & derivatives/ \*HYDROCORTISONE, blood/ HYDROCORTISONE, chemical synthesis/ HYDROCORTISONE, diagnostic use/ IMMUNOENZYME TECHNIQUES/ METHODS/ RADIOIMMUNOASSAY

[Determination of aldosterone in urine and plasma (author's transl)] Herkner K, et al. *J Chromatogr* 146(2):273-81, 1 Sep 78 (Eng. Abstr.) (Ger)  
\*ALDOSTERONE, analysis/ ALDOSTERONE, blood/ ALDOSTERONE, urine/ CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ HYDROLYSIS/ METHODS/ RADIOIMMUNOASSAY/ STEROIDS, analysis

# METHODS

A heterologous radioimmunoassay for avian prolactin: application to the measurement of prolactin in the turkey. McNeilly AS, et al. *Acta Endocrinol (Copenh)* 89(1):60-9, Sep 78  
ANIMAL/ CHROMATOGRAPHY, GEL/ CROSS REACTIONS/ ESTRADIOL, pharmacodynamics/ FSH, blood/ IMMUNE SERUMS/ LH, blood/ PLACENTAL LACTOGEN, blood/ \*PROLACTIN, blood/ PROLACTIN, immunology/ \*RADIOIMMUNOASSAY, methods/ SOMATOTROPIN, blood/ THYROTROPIN, blood/ \*TURKEYS, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.

Influence of the purity of the iodinated tracer on the specificity of the radioimmunoassay of human luteinizing hormone. Suganami H, et al. *Acta Endocrinol (Copenh)* 89(3):506-20, Nov 78  
BIOLOGICAL ASSAY/ CHROMATOGRAPHY, GEL/ FSH, analysis/ HUMAN/ IMMUNE SERUMS/ IMMUNOENZYME TECHNIQUES/ \*IODINE RADIOISOTOPES, diagnostic use/ ISOTOPE LABELING/ \*LH, analysis/ LH, isolation & purification/ \*RADIOIMMUNOASSAY, methods

Computerized optimization of radioimmunoassays for hCG and estradiol: an experimental evaluation. Yanagishita M, et al. *Anal Biochem* 88(1):1-19, 15 Jul 78  
COMPUTERS/ DOSE-RESPONSE RELATIONSHIP, IMMUNOLOGIC/ \*ESTRADIOL, analysis/ \*GONADOTROPINS, CHORIONIC, analysis/ RADIOIMMUNOASSAY, methods

Discrepancies in thyroxine measurement in pregnancy between radioimmunoassay and competitive protein binding (Oxford StaT4). Baird SG, et al. *Ann Clin Biochem* 15(4):208-12, Jul 78  
COMPARATIVE STUDY/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ \*PREGNANCY/ RADIOIMMUNOASSAY, methods/ RADIOLIGAND ASSAY/ REAGENT KITS, DIAGNOSTIC/ \*THYROXINE, blood

Scottish Immunoassay Support Service Quality Control scheme for thyroxine, triiodothyronine, and digoxin assays: analysis of first 18 months' experience. Ratcliffe WA, et al. *Ann Clin Biochem* 15(4):203-7, Jul 78  
ANIMAL/ CATTLE/ COMPARATIVE STUDY/ CROSS REACTIONS/ \*DIGOXIN, blood/ HUMAN/ QUALITY CONTROL/ RADIOIMMUNOASSAY, methods/ RADIOLIGAND ASSAY/ REAGENT KITS, DIAGNOSTIC/ SCOTLAND/ \*THYROXINE, blood/ \*TRIIODOTHYRONINE, blood

Neonatal thyroxine screening by use of a single-tube solid-phase radioimmunoassay. Bell AB, et al. *Clin Chem* 24(10):1755-8, Oct 78  
BLOOD SPECIMEN COLLECTION/ HUMAN/ \*HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, diagnosis/ INFANT, NEWBORN/ \*INFANT, NEWBORN, DISEASES, diagnosis/ MASS SCREENING/ NEW YORK/ PAPER/ QUEBEC/ RADIOIMMUNOASSAY, methods/ \*THYROXINE, blood

Direct solid-phase 125I radioimmunoassay of serum cortisol. Brock P, et al. *Clin Chem* 24(9):1595-8, Sep 78  
ANILINO NAPHTHALENESULFONATES/ COMPARATIVE STUDY/ CROSS REACTIONS/ HUMAN/ \*HYDROCORTISONE, blood/ IODINE RADIOISOTOPES/ RADIOIMMUNOASSAY, methods

Simple radioimmunoassay of cortisol in diluted samples of human plasma. Connolly TM, et al. *Clin Chem* 24(9):1468-72, Sep 78  
COMPARATIVE STUDY/ CROSS REACTIONS/ FEMALE/ HUMAN/ \*HYDROCORTISONE, blood/ MICROCHEMISTRY/ PREGNANCY/ RADIOIMMUNOASSAY, methods

Use of polyethylene glycol in radioimmunoassay of human placental lactogen. Ermsar CL, et al. *Clin Chem* 24(10):1767-0, Oct 78  
ANTIBODY SPECIFICITY/ COMPARATIVE STUDY/ HUMAN/ \*PLACENTAL LACTOGEN, analysis/ PLACENTAL LACTOGEN, blood/ \*POLYETHYLENE GLYCOLS/ RADIOIMMUNOASSAY, methods/ UNITED STATES GOV'T SUPPORTED, P.H.S.

Direct non-chromatographic radioimmunoassay of aldosterone: validation of a commercially available kit and observations on age-related changes in concentrations in plasma. Tan SY, et al. *Clin Chem* 24(9):1531-3, Sep 78  
ADULT/ AGE FACTORS/ AGED/ \*ALDOSTERONE, blood/ CROSS REACTIONS/ HUMAN/ MIDDLE AGE/ RADIOIMMUNOASSAY, methods/ REAGENT KITS, DIAGNOSTIC

Adrenal status assessed by direct radioimmunoassay of cortisol in whole saliva or parotid saliva. Walker RF, et al. *Clin Chem* 24(9):1460-3, Sep 78  
\*ADRENAL GLANDS, physiology/ FEMALE/ HUMAN/ \*HYDROCORTISONE, analysis/ MALE/ MICROCHEMISTRY/ NORMAL VALUES/ \*PAROTID GLAND, analysis/ RADIOIMMUNOASSAY, methods/ \*SALIVA, analysis

Estrogen-like compounds and progesterone in male and female rats before puberty—I. Pattern and origin. Morera AM, et al. *J Steroid Biochem* 9(7):623-9, Jul 78  
ADRENALECTOMY/ AGING/ ALPHA FETOPROTEINS/ ANIMAL/ CASTRATION/ COMPARATIVE STUDY/ \*ESTRADIOL, blood/ \*ESTRONE, blood/ FEMALE/ MALE/ \*PROGESTERONE, blood/ RADIOIMMUNOASSAY, methods/ RATS/ SEX FACTORS/ \*SEX MATURATION

Nerve growth factor in mouse and rat serum: correlation between bioassay and radioimmunoassay determinations. Suda K, et al. *Proc Natl Acad Sci USA* 75(8):4042-6, Aug



78

ANIMAL/ ANTIBODIES/ BINDING SITES, ANTIBODY/ \*BIOLOGICAL ASSAY/ BLOOD PROTEINS, metabolism/ COMPARATIVE STUDY/ GANGLIA, SPINAL/ MICE/ \*NERVE GROWTH FACTOR, blood/ NERVE GROWTH FACTOR, immunology/ \*RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY, methods/ RATS

Development of a GnRH radioimmunoassay utilizing a superactive synthetic GnRH analog: D-[Lys<sup>6</sup>]-GnRH. Heber D, et al. *Proc Soc Exp Biol Med* 158(4):643-6, Sep 78

ANIMAL/ ANTIBODY SPECIFICITY/ CROSS REACTIONS/ DOGS/ FEMALE/ HUMAN/ MALE/ \*PITUITARY HORMONE RELEASING HORMONES, analysis/ PITUITARY HORMONE RELEASING HORMONES, blood/ PITUITARY HORMONE RELEASING HORMONES, immunology/ \*RADIOIMMUNOASSAY, methods

A specific radio-immunological assay for prednisolone in plasma. Loo JC, et al.

*Res Commun Chem Pathol Pharmacol* 21(3):523-30, Sep 78  
ANTIBODIES, analysis/ ANTIBODY SPECIFICITY/ HUMAN/ \*PREDNISOLONE, blood/ PREDNISOLONE, immunology/ RABBITS, immunology/ RADIOIMMUNOASSAY, methods/ TIME FACTORS

A sensitive radioimmunoassay for measurements of 3,3'-diiodothyronine in unextracted serum. Laurberg P. *Scand J Clin Lab Invest* 38(6):537-42, Oct 78  
ANILINO NAPHTHALENESULFONATES, pharmacodynamics/ ANIMAL/ CROSS REACTIONS/ \*DIIODOTHYRONINES, blood/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MALE/ PROTEIN BINDING, drug effects/ RABBITS/ \*RADIOIMMUNOASSAY, methods/ \*THYRONINES, blood/ TRIIODOTHYRONINE, blood

Radioimmunoassay of triiodothyronine and thyroxine in capillary blood. Ljunggren JG, et al.  
*Scand J Clin Lab Invest* 38(6):593-5, Oct 78  
CAPILLARIES/ COMPARATIVE STUDY/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ \*RADIOIMMUNOASSAY, methods/ \*THYROID FUNCTION TESTS, methods/ \*THYROXINE, blood/ \*TRIODOTHYRONINE, blood/ VEINS

[Simultaneous determination of plasma androgens in rats by mass fragmentography and isotope dilution] Jeannin JF, et al. *J Steroid Biochem* 9(7):615-22, Jul 78 (Eng. Abstr.) (Fre)

\*ANDROGENS, blood/ ANIMAL/ CARBON RADIOISOTOPES/ CHOLESTANES, blood/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ ISOTOPE LABELING, methods/ MALE/ MASS FRAGMENTOGRAPHY, methods/ RADIOIMMUNOASSAY, methods/ RATS/ TESTOSTERONE, blood

[Rapid radioimmunoassay for the determination of serum progesterone levels (author's transl)] Spona J, et al. *Wien Klin Wochenschr* 90(18):654-8, 29 Sep 78 (Eng. Abstr.) (Ger)

CLOMIPHENE, administration & dosage/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ OVULATION, drug effects/ \*PROGESTERONE, blood/ \*RADIOIMMUNOASSAY, methods/ STERILITY, FEMALE, blood

[Radioimmunoassay with a new somatostatin antiserum--experimental studies] Chiba T, et al. *Horumon To Rinsho* 26(6):555-7, Jun 78 (Jpn)  
ANIMAL/ \*IMMUNE SERUMS/ \*RADIOIMMUNOASSAY, methods/ RATS/ \*SOMATOTROPIN RELEASE INHIBITING HORMONE, analysis

[TRI-TAB kit and TETRA-TAB kit] Imazeki K, et al. *Horumon To Rinsho* 26(1):107-13, Jan 78 (Jpn)  
HUMAN/ \*RADIOIMMUNOASSAY, methods/ \*REAGENT KITS, DIAGNOSTIC/ THYROID DISEASES, blood/ \*THYROXINE, blood/ \*TRIODOTHYRONINE, blood

[Experimental evaluation and clinical application of an ACTH radioimmunoassay ki (CEA-IRE-SORIN)] Inada M, et al. *Horumon To Rinsho* 26(8):807-11, Aug 78 (Jpn)

\*CORTICOTROPIN, blood/ HUMAN/  
\*RADIOIMMUNOASSAY, methods/  
RADIOIMMUNOASSAY, standards/ \*REAGENT KITS, DIAGNOSTIC, standards

[Experimental and clinical evaluations of T4 radioimmunoassay kit by a solid phase method--Konsul T4 RIA] Koizumi K, et al. *Horumon To Rinsho* 26(8):821-4, Aug 78 (Jpn)

COMPARATIVE STUDY/ HUMAN/  
\*RADIOIMMUNOASSAY, methods/  
RADIOIMMUNOASSAY, standards/ \*REAGENT KITS, DIAGNOSTIC, standards/ \*THYROXINE, blood

[Experimental and clinical evaluations of the determination of human growth hormone using Phadebas hGH PRIST Kit] Kojima K, et al. *Horumon To Rinsho* 26(8):795-9, Aug 78 (Jpn)

ADULT/ FEMALE/ HUMAN/ MALE/  
\*RADIOIMMUNOASSAY, methods/  
RADIOIMMUNOASSAY, standards/ \*REAGENT KITS, DIAGNOSTIC, standards/ \*SOMATOTROPIN, blood

[Triiodothyronine radioimmunoassay by a solid phase method--an evaluation of Konsul T3 RIA Kit] Mitsuma T, et al. *Horumon To Rinsho* 26(8):817-20, Aug 78 (Jpn)  
HUMAN/ \*RADIOIMMUNOASSAY, methods/  
RADIOIMMUNOASSAY, standards/ \*REAGENT KITS, DIAGNOSTIC, standards/ \*TRIIODOTHYRONINE, blood

[Determination of T4 with Seralute-T4 RIA kit] Sawazaki N, et al. *Horumon To Rinsho* 26(1):101-5, Jan 78 (Jpn)  
HUMAN/ \*RADIOIMMUNOASSAY, methods/  
\*REAGENT KITS, DIAGNOSTIC/ THYROID DISEASES, blood/ \*THYROXINE, blood

[Experimental studies of HGH-RIA kit (S-8540) by a solid phase method] Takeda N, et al. *Horumon To Rinsho* 26(6):623-8, Jun 78 (Jpn)  
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ MALE/ \*RADIOIMMUNOASSAY, methods/  
\*REAGENT KITS, DIAGNOSTIC/  
\*SOMATOTROPIN, blood

[Measurement of 3, 3', 5' triiodothyronine (rT3) in human serum with radioimmunoassay (author's transl)] Mitsuma T. *Kaku Igaku* 15(4):605-11, Jun 78 (Jpn)  
FEMALE/ HUMAN/ PREGNANCY/  
\*RADIOIMMUNOASSAY, methods/  
\*TRIODOTHYRONINE, blood

[Radioimmunoassay for plasma betamethasone and its application for clinical study (author's transl)] Kano T, et al. *Nippon Naibunpi Gakkai Zasshi* 54(5):654-65, 20 May 78 (Eng. Abstr.) (Jpn)  
ADULT/ AGED/ ANIMAL/ ANTIGENIC DETERMINANTS/ \*BETAMETHASONE, blood/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ IMMUNE SERUMS/ LIVER DISEASES, blood/ MALE/ MIDDLE AGE/ RABBITS/  
\*RADIOIMMUNOASSAY, methods

[Comparative study of 2 different radioimmunoassays in the evaluation of plasma LH and FSH: I. Methods of double antibody (NIH) II. Serono's commercial kits] Fernández-Durango R, et al. *Rev Clin Esp* 150(1-2):25-30, Jul 78 (Eng. Abstr.) (Spa)  
ANTIBODIES/ BINDING SITES, ANTIBODY, analysis/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ \*FSH, blood/ HUMAN/ \*LH, blood/ RADIOIMMUNOASSAY, methods/ REAGENT KITS, DIAGNOSTIC/ UNITED STATES NATIONAL INSTITUTES OF HEALTH

[Measurement of prostaglandin F in the plasma of healthy men (author's transl)] Castañeda-Peña G, et al. *Rev Invest Clin* 30(3):283-9, Jul-Sep 78 (Eng. Abstr.) (Spa)

ADULT/ ENGLISH ABSTRACT/ HUMAN/ MALE/  
\*PROSTAGLANDINS F, blood/  
RADIOIMMUNOASSAY, methods/ TESTIS, physiology

## STANDARDS

[Experimental evaluation and clinical application of an ACTH radioimmunoassay ki (CEA-IRE-SORIN)] Inada M, et al.

Horumon To Rinsho 26(8):807-11, Aug 78 (Jpn)  
 \*CORTICOTROPIN, blood/ HUMAN/  
 \*RADIOIMMUNOASSAY, methods/  
 RADIOIMMUNOASSAY, standards/ \*REAGENT  
 KITS, DIAGNOSTIC, standards

[Experimental and clinical evaluations of T4  
 radioimmunoassay kit by a solid phase method—Konsul T4  
 RIA] Koizumi K, et al. Horumon To Rinsho 26(8):821-4,  
 Aug 78 (Jpn)  
 COMPARATIVE STUDY/ HUMAN/  
 \*RADIOIMMUNOASSAY, methods/  
 RADIOIMMUNOASSAY, standards/ \*REAGENT  
 KITS, DIAGNOSTIC, standards/ \*THYROXINE,  
 blood

[Experimental and clinical evaluations of the determination  
 of human growth hormone using Phadebas hGH PRIST  
 Kit] Kojima K, et al. Horumon To Rinsho 26(8):795-9, Aug  
 78 (Jpn)  
 ADULT/ FEMALE/ HUMAN/ MALE/  
 \*RADIOIMMUNOASSAY, methods/  
 RADIOIMMUNOASSAY, standards/ \*REAGENT  
 KITS, DIAGNOSTIC, standards/ \*SOMATOTROPIN,  
 blood

[Triiodothyronine radioimmunoassay by a solid phase  
 method—an evaluation of Konsul T3 RIA Kit] Mitsuma  
 T, et al. Horumon To Rinsho 26(8):817-20, Aug 78 (Jpn)  
 HUMAN/ \*RADIOIMMUNOASSAY, methods/  
 RADIOIMMUNOASSAY, standards/ \*REAGENT  
 KITS, DIAGNOSTIC, standards/  
 \*TRIIODOTHYRONINE, blood

In: Baillie TA, ed. Stable isotopes. Baltimore, Univ Park  
 Press, 1978. QV 20.5 161s 1978.  
 CHROMATOGRAPHY, GAS, methods/  
 DEUTERIUM/ FEMALE/ HUMAN/ \*ISOTOPE  
 LABELING, methods/ MONOGRAPH/  
 \*PREGNANCY TRIMESTER, THIRD/  
 PREGNANCY/ \*PREGNANES, blood/ SPECTRUM  
 ANALYSIS, MASS, methods

## RADIOISOTOPE DILUTION TECHNIC

A simple, rapid, and precise method for calculating the steroid  
 hormone-receptor complex concentration in the presence  
 of saturating levels of hormone by using 'differential  
 dissociation' techniques. Richard-Foy H, et al.

Anal Biochem 88(2):367-81, 1 Aug 78  
 ANIMAL/ CATTLE/ CYTOSOL, analysis/  
 ESTRADIOL, metabolism/ FEMALE/  
 MATHEMATICS/ METHODS/ RADIOISOTOPE  
 DILUTION TECHNIC/ RECEPTORS, ESTROGEN,  
 analysis/ \*RECEPTORS, STEROID, analysis

Radioimmunoassay for danazol in human and monkey plasma.  
 Peterson JE, et al. J Pharm Sci 67(10):1425-8, Oct 78  
 ANIMAL/ \*DANAZOL, blood/ FEMALE/ HUMAN/  
 METHODS/ MONKEYS/ \*PREGNADIENES, blood/  
 RADIOIMMUNOASSAY/ RADIOISOTOPE  
 DILUTION TECHNIC/ RHESUS MONKEYS

## RADIOLIGAND ASSAY

Discrepancies in thyroxine measurement in pregnancy  
 between radioimmunoassay and competitive protein binding  
 (Oxford StaT4). Baird SG, et al. Ann Clin Biochem  
 15(4):208-12, Jul 78

COMPARATIVE STUDY/ EVALUATION  
 STUDIES/ FEMALE/ HUMAN/  
 HYPERTHYROIDISM, blood/ \*PREGNANCY/  
 RADIOIMMUNOASSAY, methods/ RADIOLIGAND  
 ASSAY/ REAGENT KITS, DIAGNOSTIC/  
 \*THYROXINE, blood

Scottish Immunoassay Support Service Quality Control  
 scheme for thyroxine, triiodothyronine, and digoxin assays:  
 analysis of first 18 months' experience. Ratcliffe WA, et  
 al. Ann Clin Biochem 15(4):203-7, Jul 78

ANIMAL/ CATTLE/ COMPARATIVE STUDY/  
 CROSS REACTIONS/ \*DIGOXIN, blood/ HUMAN/  
 QUALITY CONTROL/ RADIOIMMUNOASSAY,  
 methods/ RADIOLIGAND ASSAY/ REAGENT  
 KITS, DIAGNOSTIC/ SCOTLAND/ \*THYROXINE,  
 blood/ \*TRIIODOTHYRONINE, blood

## SPECTRUM ANALYSIS, MASS

### METHODS

Pathways of steroid metabolism in vivo studied by deuterium  
 labelling techniques. pp. 177-88. Baillie TA, et al.



# AUTHOR SECTION

## A

- Arli JA, Thunold S, Heimann P: Thyroiditis in myasthenia gravis. *Acta Neurol Scand* 58(2):121-7, Aug 78  
ADULT/ ANTIBODIES, analysis/ CASE REPORT/  
FEMALE/ HUMAN/ HYPERTHYROIDISM,  
complications/ HYPERTHYROIDISM, pathology/  
MALE/ MIDDLE AGE/ \*MYASTHENIA GRAVIS,  
complications/ MYASTHENIA GRAVIS, etiology/  
MYASTHENIA GRAVIS, pathology/  
THYROGLOBULIN, immunology/ THYROID  
GLAND, pathology/ \*THYROIDITIS, etiology/  
THYROIDITIS, pathology
- Abad Alonso JA: Implicaciones clínicas de los tumores de células Apud. *Rev Clin Esp* 149(4):317-20, 31 May 78 (Spa)  
\*APUD CELLS, metabolism/ \*ENDOCRINE  
DISEASES, metabolism/ ENDOCRINE DISEASES,  
pathology/ ENDOCRINE GLANDS, metabolism/  
HUMAN/ \*NEOPLASMS, metabolism/  
NEOPLASMS, ultrastructure
- Abd-el-Fattah M, Gabrial GN, Shalaby SM, et al: An epidemiological and biochemical study on osteomalacia among pregnant women in Egypt. *Z Ernährungswiss* 17(3):140-4, Sep 78  
ALKALINE PHOSPHATASE, metabolism/  
CALCIFICATION, PHYSIOLOGIC/ CALCIUM,  
blood/ EGYPT/ FEMALE/ HUMAN/  
NUTRITIONAL REQUIREMENTS/  
\*OSTEOMALACIA, metabolism/ PARITY/  
PHOSPHATES, blood/ PREGNANCY  
COMPLICATIONS/ PREGNANCY/  
SOCIOECONOMIC FACTORS
- Abdalla HM, El Ghorory M, Ali SA, et al: Experimentelle Untersuchungen zur therapeutischen Beeinflussbarkeit intestinaler Adhäsionsvorgänge. *Z Exp Chir* 11(3):209-14, 1978 (Eng. Abstr.) (Ger)  
\*ADHESIONS, prevention & control/  
\*ANTI-INFLAMMATORY AGENTS, administration  
& dosage/ CHLORPHENIRAMINE, administration &  
dosage/ CLINICAL RESEARCH/ COMPARATIVE  
STUDY/ ENGLISH ABSTRACT/ HUMAN/ MALE/  
METHYLPREDNISOLONE, administration & dosage/  
\*PEPTIDE HYDROLASES, administration & dosage/  
\*PERITONEUM/ POSTOPERATIVE CARE/  
PREOPERATIVE CARE/ RATS
- Abdel-Magied EM, King AS: The topographical anatomy and blood supply of the carotid body region of the domestic fowl. *J Anat* 126(3):535-46, Aug 78  
ANIMAL/ ARTERIES, anatomy & histology/  
\*CAROTID BODY, anatomy & histology/ CAROTID  
BODY, blood supply/ \*CHICKENS, anatomy &  
histology/ FEMALE/ MALE/ PARATHYROID  
GLANDS, anatomy & histology/  
ULTIMOBRANCHIAL BODY, anatomy & histology
- Abou HM, Ast TM, Cioffi FJ: Semiautomated system for high-pressure liquid chromatographic determination of dissolution rate of fludrocortisone acetate tablets. *J Pharm Sci* 67(10):1397-9, Oct 78  
AUTOANALYSIS/ CHEMISTRY,  
PHARMACEUTICAL, methods/  
CHROMATOGRAPHY, HIGH SPEED LIQUID,  
instrumentation/ \*FLUDROCORTISONE, analysis/  
SOLUBILITY/ TABLETS
- Abu H, Kato J: [Somatostatin of the human CSF and rat hypothalamus] *Horumon To Rinsho* 26(6):537-40, Jun 78 (Jpn)  
ANIMAL/ HUMAN/ \*HYPOTHALAMUS, analysis/  
MALE/ RADIOIMMUNOASSAY/ RATS/  
\*SOMATOTROPIN RELEASE INHIBITING  
HORMONE, analysis/ SOMATOTROPIN RELEASE  
INHIBITING HORMONE, cerebrospinal fluid
- Abu K: [Ectopic hormone-producing tumor—current concepts] *Nippon Rinsho Suppl*:1516-7, May 78 (Jpn)  
\*HORMONES, ECTOPIC, biosynthesis/ HUMAN/  
\*NEOPLASTIC ENDOCRINE-LIKE SYNDROMES,  
metabolism
- Abu K: [Hypercalcemia caused by malignant tumor—emergency treatment] *Nippon Rinsho Suppl*:1602-3, May 78 (Jpn)  
CALCITONIN, therapeutic use/ HUMAN/  
HYPERCALCEMIA, etiology/ \*HYPERCALCEMIA,  
therapy/ INFUSIONS, PARENTERAL/  
\*NEOPLASMS, complications
- Abel MH, Bass FG, Krane EJ, et al: Pituitary stalk-section and some of its effects on endocrine function in the fetal lamb. *Q J Exp Physiol* 63(3):211-9, Jul 78  
ANIMAL/ FEMALE/ \*FETUS, physiology/  
GESTATIONAL AGE/ HYDROCORTISONE,  
pharmacodynamics/ LABOR, INDUCED/  
METHODS/ PITUITARY GLAND, POSTERIOR,  
anatomy & histology/ \*PITUITARY GLAND,  
POSTERIOR, physiology/ PITUITARY GLAND,  
POSTERIOR, secretion/ PITUITARY GLAND,  
POSTERIOR, surgery/ PREGNANCY/  
PROLACTIN, secretion/ \*SHEEP, physiology/  
THYROID GLAND, secretion/ THYROXINE, blood
- Abendroth K: Akute Leukose und Schwangerschaft. *Z Gesamte Inn Med* 33(13):441-4, 1 Jul 78 (Eng. Abstr.) (Ger)  
ADULT/ ANEMIA, etiology/ CASE REPORT/  
ENGLISH ABSTRACT/ FEMALE/ HUMAN/  
\*LEUKEMIA, LYMPHOBLASTIC/ LEUKEMIA,  
LYMPHOBLASTIC, drug therapy/  
PREDNISOLONE, therapeutic use/ \*PREGNANCY  
COMPLICATIONS, HEMATOLOGIC/  
PREGNANCY TRIMESTER, SECOND/  
PREGNANCY/ PUERPERIUM/ RECURRENCE
- Abou-Sabe' M, Reilly T: Insulin action on Escherichia coli. Regulation of the adenylate cyclase and phosphotransferase enzymes. *Biochim Biophys Acta* 542(3):442-55, 6 Sep 78  
\*ADENYL CYCLASE, metabolism/ BIOLOGICAL  
TRANSPORT, drug effects/ \*ESCHERICHIA COLI,  
drug effects/ ESCHERICHIA COLI, enzymology/  
GLUCAGON, pharmacodynamics/ HEXOSES/  
\*INSULIN, pharmacodynamics/ KINETICS/  
METHYLGLUCOSIDES, metabolism/  
\*MULTIENZYME COMPLEXES, metabolism/  
PHOSPHOENOLPYRUVATE/  
\*PHOSPHOTRANSFERASES, metabolism/  
SOMATOTROPIN, pharmacodynamics/  
TRYPTOPHANASE, biosynthesis/ VASOPRESSINS,  
pharmacodynamics
- Abrahams C: The 'Scrip' technique—a method for the rapid diagnosis of surgical pathology specimens. *Histopathology* 2(4):255-66, Jul 78  
BREAST DISEASES, diagnosis/ \*BREAST  
NEOPLASMS, diagnosis/ \*CYTODIAGNOSIS,  
methods/ DIAGNOSIS, DIFFERENTIAL/ HUMAN/  
SKIN NEOPLASMS, diagnosis/ THYROID  
DISEASES, diagnosis/ \*THYROID NEOPLASMS,  
diagnosis
- Abrams LS, Weintraub HS, Patrick JE, et al: Comparative bioavailability of a lipophilic steroid. *J Pharm Sci* 67(9):1287-90, Sep 78  
\*ABORTIFACIENT AGENTS, metabolism/  
ABORTIFACIENT AGENTS, STEROIDAL,  
administration & dosage/ \*ABORTIFACIENT  
AGENTS, STEROIDAL, metabolism/  
ABSORPTION/ ADMINISTRATION, ORAL/  
ADULT/ ANDROSTANES, administration & dosage/  
\*ANDROSTANES, metabolism/ ANIMAL/  
BIOLOGICAL AVAILABILITY/ COMPARATIVE  
STUDY/ FEMALE/ HUMAN/ OXIMES,  
administration & dosage/ OXIMES, metabolism/  
RATS/ SOLUTIONS/ SUSPENSIONS
- Abrams RM, Kalra PS, Wilcox CJ: Vaginal blood flow during the menstrual cycle. *Am J Obstet Gynecol* 132(4):396-400, 15 Oct 78  
ADULT/ BLOOD PRESSURE/ \*BODY  
TEMPERATURE/ ESTRADIOL, blood/ FEMALE/  
FSH, blood/ HUMAN/ LH, blood/  
\*MENSTRUATION/ \*OVULATION DETECTION,  
methods/ PROGESTERONE, blood/ REGIONAL  
BLOOD FLOW/ \*VAGINA, blood supply
- Abul-Hajj YJ: Stimulation by estradiol benzoate of hepatic beta-hydroxy-beta-methylglutaryl coenzyme A reductase in normal and ovariectomized rats. *Steroids* 31(6):841-7, Jun 78  
ANIMAL/ BODY WEIGHT/ CASTRATION/  
CHOLESTEROL, blood/ \*ESTRADIOL,  
pharmacodynamics/ FEMALE/  
\*HYDROXYMETHYLGLUTARYL COA  
REDUCTASES, metabolism/ \*LIVER, enzymology/  
MICROSOMES, LIVER, enzymology/ \*OVARY,  
physiology/ RATS/ STIMULATION, CHEMICAL

# AUTHOR SECTION

17. Ackerly JA, Blumberg AL, Brooker G, et al: Angiotensin II on the release of DbetaH and atrial cyclic AMP concentrations. *Am J Physiol* 235(3):H281-8, Sep 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ \*ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ \*DOPAMINE BETA-HYDROXYLASE, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HEART ATRIUM/ IN VITRO/ MALE/ MYOCARDIUM, enzymology/ \*MYOCARDIUM, metabolism/ PROPRANOLOL, pharmacodynamics/ RABBITS/ \*SYMPATHETIC NERVOUS SYSTEM, physiology/ TYRAMINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
18. Adami HO, Rimsten A: Adipose tissue and aetiology of breast cancer [letter] *Lancet* 2(8091):677-8, 23 Sep 78  
\*ADIPOSE TISSUE, metabolism/ AGED/ BODY WEIGHT/ \*BREAST NEOPLASMS, etiology/ ESTRONE, biosynthesis/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE
19. Adams AF, Haslam RJ: Factors affecting the activity of guanylate cyclase in lysates of human blood platelets. *Biochem J* 174(1):23-35, 15 Jul 78  
\*BLOOD PLATELETS, enzymology/ BLOOD PLATELETS, ultrastructure/ DETERGENTS, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ FATTY ACIDS, pharmacodynamics/ GUANYL CYCLASE, antagonists & inhibitors/ \*GUANYL CYCLASE, blood/ HUMAN/ IN VITRO/ SODIUM NITRITE, pharmacodynamics/ SUBCELLULAR FRACTIONS, enzymology
20. Adams BK, Naidoo PM: Cystinosis with Fanconi's syndrome. A case report. *S Afr Med J* 53(18):719-21, 6 May 78  
ACIDOSIS, RENAL TUBULAR, complications/ ADULT/ CASE REPORT/ \*CYSTINOSIS, complications/ CYSTINOSIS, drug therapy/ FANCONI SYNDROME, blood/ \*FANCONI SYNDROME, complications/ FANCONI SYNDROME, urine/ FEMALE/ HUMAN/ HYPOKALEMIA, complications/ LIGHT
21. Adams DB, Gold AR, Burt AD: Rise in female-initiated sexual activity at ovulation and its suppression by oral contraceptives. *N Engl J Med* 299(21):1145-50, 23 Nov 78  
ADULT/ COITUS, drug effects/ COMPARATIVE STUDY/ CONTRACEPTIVE DEVICES/ \*CONTRACEPTIVES, ORAL, pharmacodynamics/ \*CONTRACEPTIVES, ORAL, COMBINED, pharmacodynamics/ \*CONTRACEPTIVES, ORAL, SYNTHETIC, pharmacodynamics/ FANTASY, drug effects/ FEMALE/ HUMAN/ MALE/ MASTURBATION, drug effects/ MENSTRUATION/ \*OVULATION/ OVULATION, drug effects/ SEX BEHAVIOR, drug effects/ \*SEX BEHAVIOR, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
22. Adams JB, Archibald L, Clarke C: Adrenal dehydroepiandrosterone and human mammary cancer. *Cancer Res* 38(11 Pt 2):4036-40, Nov 78  
\*ADRENAL GLANDS, physiopathology/ ANIMAL/ BINDING, COMPETITIVE/ \*BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, metabolism/ CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ DEHYDROEPIANDROSTERONE, pharmacodynamics/ \*DEHYDROEPIANDROSTERONE, physiology/ ESTRONE/ HUMAN/ IN VITRO/ MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ RATS/ RECEPTORS, ESTROGEN, drug effects/ RECEPTORS, ESTROGEN, metabolism/ SULFURTRANSFERASES, metabolism/ 5-ANDROSTENE-3,17-DIOL, metabolism
23. Adams NR: Sexual behaviour responses of the ovariectomized ewe to oestradiol benzoate, and their persistent reduction after exposure to phyto-oestrogens. *J Reprod Fertil* 53(2):203-8, Jul 78  
ANIMAL/ CASTRATION/ \*ESTRADIOL, pharmacodynamics/ \*ESTROGENS/ FEMALE/ \*PLANTS/ \*SEX BEHAVIOR, ANIMAL, drug effects/ SHEEP
24. Adinolfi M, Haddad SA, Seller MJ: X chromosome complement and serum levels of IgM in man and mouse. *J Immunogenet* 5(3):149-56, Jun 78  
ANIMAL/ CHROMOSOME DELETION/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ IGG, genetics/ \*IGM, genetics/ MALE/ MICE/ INBRED STRAINS/ MICE, MUTANT STRA/ SEX CHROMOSOME ABNORMALITIES/ \*CHROMOSOMES/ TRISOMY/ TURNER'S SYNDROME, familial & genetic/ \*X CHROM
25. Al-Adra AR, Pilarski LM: Antigen-specific suppressor cytotoxic T cell responses in mice. I. Suppressor T not cytotoxic cells. *Eur J Immunol* 8(7):504-11, Jul 78  
ANIMAL/ \*ANTIGENIC DETERMINANTS/ ANTIGENS/ CELLS, CULTURED/ \*CYTOTOXICITY, IMMUNOLOGIC/ CYTOTOXICITY, IMMUNOLOGIC, drug effects/ FEMALE/ HYDROCORTISONE, pharmacodynamics/ KINETICS/ LEUKOCYTES, CULTURE TEST, MIXED/ MALE/ MICE/ INBRED BALB C/ MICE, INBRED CBA/ INBRED C3H/ MICE, INBRED C57BL/ MICE, INBRED DBA/ T-LYMPHOCYTES, drug effects/ T-LYMPHOCYTES, immunology/ X-RAYS
26. Agarwal GD, Dharker SR, Chatterji AK, et al: Serum concentration of the cerebrospinal fluid in CNS tumours. *Indian J Med Res* 68:116-20, Jul 78  
\*BRAIN NEOPLASMS, cerebrospinal fluid/ COMPARATIVE STUDY/ HUMAN/ \*SEMPERONIN, cerebrospinal fluid/ \*SPINAL NEOPLASMS, cerebrospinal fluid
27. Agarwal MK: Endotoxin-glucocorticoid interactions: hormone specific receptors in the rat. *Toxicol Suppl* (1):857-68, 1978  
ANIMAL/ CARBON TETRACHLORIDE, pharmacodynamics/ CORTICOSTERONE, metabolism/ \*ENDOTOXINS, pharmacodynamics/ \*GLUCOCORTICOIDS, metabolism/ IN VITRO/ LIVER, drug effects/ LIVER, metabolism/ MICE/ RATS/ \*RECEPTORS, GLUCOCORTICOID, effects/ RECEPTORS, GLUCOCORTICOID, metabolism/ \*RECEPTORS, STEROID, drug effects/ SPLEEN, metabolism/ TRIAMCINOLONE ACETONIDE, metabolism
28. Agarwal MK, Philippe M, Couprie F: Tissue dependent binding of 9alpha fluorohydrocortisone. *Biochem Biophys Res Commun* 83(1):1-6, 14 Jul 78  
ANIMAL/ CYTOSOL, metabolism/ \*FLUDROCORTISONE, metabolism/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ MYOCARDIUM, metabolism/ RATS/ RECEPTORS, GLUCOCORTICOID, isolation & purification/ \*RECEPTORS, GLUCOCORTICOID, metabolism/ \*RECEPTORS, STEROID, metabolism/ TISSUE DISTRIBUTION
29. Agarwal MK, Philippe M: Thermal activation of steroid principle in commercial bovine serum albumin. *FEBS Lett* 93(1):129-32, 1 Sep 78  
ADRENAL CORTX HORMONES, metabolism/ ANIMAL/ HEAT/ HYDROCORTISONE, metabolism/ KINETICS/ LIGANDS/ PROTEIN BINDING/ RATS/ \*SERUM ALBUMIN, metabolism/ \*SERUM ALBUMIN, BOVINE, metabolism/ TRANSCORTIN, metabolism
30. Agarwal SP, Agarwal VK, Ahmad A: Response of exogenous blood leucocytes and cholesterol in castrated and uncastrated male buffaloes. *Indian J Physiol Pharmacol* 22(2):105-11, Apr-Jun 78  
ANIMAL/ BUFFALOES, blood/ \*BUFFALOES, physiology/ \*CASTRATION/ \*CHOLESTEROL, blood/ \*EXERTION/ LEUKOCYTE COUNT/ \*LEUKOCYTES
31. Agrup G, Lassus A, Liden S, et al: Klassifikasjon av kortikosteroidpreparater for dermatologisk bruk. *Tidsskr Nor Laegeforen* 98(25):1203-4, 10 Sep 78  
Abstr.)  
ADMINISTRATION, TOPICAL/ ADRENAL CORTX HORMONES, administration & dosage/ \*ADRENAL CORTX HORMONES, classification/ ENGLISH ABSTRACT/ \*SKIN DISEASES, therapy
32. Aguilera G, Catt KJ: Regulation of aldosterone secretion by the renin-angiotensin system during sodium restriction in rats. *Proc Natl Acad Sci USA* 75(8):4057-61, Aug 78  
ADRENAL GLANDS, physiology/ \*ALDOSTERONE, secretion/ \*ANGIOTENSIN, physiology/ ANIMAL/ CORTICOSTERONE, metabolism/ \*DIET, SALT-FREE/ KININ



## AUTHOR SECTION

- antagonists & inhibitors/ MALE/ MITOCHONDRIA, metabolism/ PREGNENOLONE, metabolism/ RATS/ RECEPTORS, ANGIOTENSIN/ \*RENIN, physiology
- Ahn HS, Makman MH: Serotonin sensitive adenylate cyclase activity in monkey anterior limbic cortex: antagonism by molindone and other antipsychotic drugs. *Life Sci* 23(5):507-11, 7 Aug 78
- \*ADENYL CYCLASE, antagonists & inhibitors/ ANIMAL/ DOPAMINE, pharmacodynamics/ FEMALE/ IN VITRO/ \*INDOLES, pharmacodynamics/ LIMBIC SYSTEM, drug effects/ \*LIMBIC SYSTEM, enzymology/ MALE/ \*MOLINDONE, pharmacodynamics/ MONKEYS/ RHESUS MONKEYS/ SEROTONIN ANTAGONISTS, pharmacodynamics/ SEROTONIN, pharmacodynamics/ \*SEROTONIN, physiology/ \*TRANQUILIZING AGENTS, MAJOR, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Ahn HS, Makman MH: Stimulation of adenylate cyclase activity in monkey anterior limbic cortex by serotonin. *Brain Res* 153(3):636-40, 29 Sep 78
- ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ \*ADENYL CYCLASE, metabolism/ ANIMAL/ DOPAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION, drug effects/ FRONTAL LOBE, enzymology/ \*LIMBIC SYSTEM, enzymology/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MONKEYS/ \*SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Ahumada Padilla M, Kamino Hirokawa H, Barabá Stark F: Ensayo clínico con 17 butirato de hidrocortisona en dermatitis reaccionales de cara y mucosas. *Alergia* 25(1):23-31, Jan 78 (Eng. Abstr.) (Spa)
- ADOLESCENCE/ ADULT/ CHILD/ PRESCHOOL/ CLINICAL RESEARCH/ ENGLISH ABSTRACT/ \*FACIAL DERMATOSES, drug therapy/ FEMALE/ HUMAN/ \*HYDROCORTISONE, analogs & derivatives/ \*HYDROCORTISONE, TOPICAL, therapeutic use/ INFANT/ MALE/ PREGNENES, adverse effects
- Aiache JM, Ducroux P: Evaluation de la disponibilité topique de l'acétate d'hydrocortisone. *Pharm Acta Helv* 53(3-4):110-20, 1978 (Fre)
- ANIMAL/ BIOLOGICAL AVAILABILITY/ GUINEA PIGS/ \*HYDROCORTISONE, TOPICAL, metabolism
- Aikawa JK: Biochemistry and physiology of magnesium. *World Rev Nutr Diet* 28:112-42, 1978 (141 ref.)
- ANIMAL/ BONE AND BONES, metabolism/ DNA, metabolism/ FEMALE/ HOMEOSTASIS/ HUMAN/ INFANT/ INFANT, NEWBORN/ INTESTINAL ABSORPTION/ MAGNESIUM DEFICIENCY, metabolism/ MAGNESIUM, metabolism/ \*MAGNESIUM, physiology/ MALE/ OXIDATIVE PHOSPHORYLATION/ PHOTOSYNTHESIS/ PREGNANCY/ REVIEW/ SUBCELLULAR FRACTIONS, metabolism/ TISSUE DISTRIBUTION
- Aiman J, Hemsell DL, MacDonald PC: Production and origin of estrogen in two true hermaphrodites. *Am J Obstet Gynecol* 132(4):401-9, 15 Oct 78
- ADOLESCENCE/ ADULT/ ANDROSTENEDIONE, blood/ CASE REPORT/ \*ESTRADIOL, metabolism/ \*ESTRONE, metabolism/ FEMALE/ FSH, blood/ \*HERMAPHRODITISM, metabolism/ HUMAN/ LH, blood/ OVARY, metabolism/ TESTIS, metabolism/ TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Akatsuka J: [Effect of anabolic steroid-corticosteroid therapy of aplastic anemia in children (author's transl)] *Rinsho Ketsueki* 19(7):995-1001, Jul 78 (Eng. Abstr.) (Jpn)
- ADOLESCENCE/ ANEMIA, APLASTIC, congenital/ \*ANEMIA, APLASTIC, drug therapy/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ MALE/ \*OXYMETHOLONE, administration & dosage/ OXYMETHOLONE, therapeutic use/ \*PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use
- Alkerman KE: Effect of pH and Ca<sup>2+</sup> on the retention of Ca<sup>2+</sup> by rat liver mitochondria. *Arch Biochem Biophys* 189(2):256-62, Aug 78
- ANIMAL/ \*CALCIUM, metabolism/ EGTA, pharmacodynamics/ HYDROCHLORIC ACID, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ INTRACELLULAR MEMBRANES, metabolism/ LANTHANUM, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ MALE/ MEMBRANE POTENTIALS, drug effects/ \*MITOCHONDRIA, LIVER, metabolism/ PHOSPHATES, pharmacodynamics/ RATS/ RUTHENIUM RED, pharmacodynamics
41. Akeson R, Hsu WC: Identification of a high molecular weight nervous system specific cell surface glycoprotein on murine neuroblastoma cells. *Exp Cell Res* 115(2):367-77, Sep 78
- ADRENAL GLANDS, analysis/ BRAIN CHEMISTRY/ CELL LINE/ \*GLYCOPROTEINS, analysis/ LIVER, analysis/ LUNG, analysis/ \*MEMBRANE PROTEINS, analysis/ MOLECULAR WEIGHT/ MYOCARDIUM, analysis/ \*NEURONS, analysis/ SPLEEN, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
42. Akgun S, Ertel NH: Hyperparathyroidism and coexisting diabetes mellitus. Altered carbohydrate metabolism. *Arch Intern Med* 138(10):1500-2, Oct 78
- AGED/ \*CARBOHYDRATES, metabolism/ CASE REPORT/ \*DIABETES MELLITUS, complications/ DIABETES MELLITUS, metabolism/ HUMAN/ HYPERCALCEMIA, complications/ \*HYPERPARATHYROIDISM, complications/ HYPERPARATHYROIDISM, metabolism/ INSULIN, administration & dosage/ MALE/ MIDDLE AGE
43. Akhram AA, Sviridov OV, Strel'chenok OA: Obratimye konformatsionnye izmeneniia komponentov kompleksa transkortin--steroid. *Dokl Akad Nauk SSSR* 241(5):1207-9, 11 Aug 78 (Rus)
- CIRCULAR DICHROISM/ \*HYDROCORTISONE/ MOLECULAR CONFORMATION/ \*TRANSCORTIN
44. Akhrem AA, Barai VN, Zinchenko AI, et al: Analiz vzaimodeistviia retseptora gliukokortikoidnykh gormonov iz pecheni krys s DNK v dvukhfaznoi sisteme dekstran--polietilenglikol'. *Biokhimiia* 43(7):1184-9, Jul 78 (Eng. Abstr.) (Rus)
- ANIMAL/ CYTOSOL, metabolism/ DEXTRANS/ \*DNA, metabolism/ ENGLISH ABSTRACT/ LIVER, metabolism/ POLYETHYLENE GLYCOLS/ RATS/ \*RECEPTORS, GLUCOCORTICOID, metabolism/ \*RECEPTORS, STEROID, metabolism
45. Akhtar M, Singh SJ, Krishnamurti S: Cardiovascular manifestations in thyroid disorders. *Indian Heart J* 30(4):203-7, Jul-Aug 78
- ADULT/ \*CARDIOVASCULAR DISEASES, etiology/ FEMALE/ HUMAN/ \*HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, drug therapy/ \*HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, drug therapy/ MALE/ MIDDLE AGE
46. Akmaev IG, Popov AP: Vliianie dlitel'nogo podavleniia i dlitel'noi stimulatsii sekretsii AKTG na ul'trastrukturu tanitsitov. *Tsitologii* 20(7):742-7, Jul 78 (Eng. Abstr.) (Rus)
- ADRENALECTOMY/ ANIMAL/ CELLULAR INCLUSIONS, ultrastructure/ COMPARATIVE STUDY/ \*CORTICOTROPIN, physiology/ DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ \*EPENDYMA, cytology/ EPENDYMA, metabolism/ EPENDYMA, ultrastructure/ LIPIDS, metabolism/ MALE/ ORGANOIDS, ultrastructure/ RATS
47. Aksenova VM: Katekholaminy nadpochechnikov, serdtsa, skeletnykh myshts pri narushenii innervatsii pecheni. *Patol Fiziol Eksp Ter* (4):67-9, Jul-Aug 78 (Eng. Abstr.) (Rus)
- \*ADRENAL GLANDS, analysis/ ANIMAL/ \*CATECHOLAMINES, analysis/ DENERVATION/ ENGLISH ABSTRACT/ \*LIVER, innervation/ \*MUSCLES, analysis/ \*MYOCARDIUM, analysis/ RATS
48. Alarcón Zurita A, Ladefoged J: Tratamiento del fracaso renal agudo aparecido en los primeros momentos de la evolución



## AUTHOR SECTION

- de un trasplante de este órgano. Rev Clin Esp 149(5):489-94, 15 Jun 78 (Eng. Abstr.) (Spa)  
 COMPARATIVE STUDY/ ENGLISH ABSTRACT/ GRAFT REJECTION/ HEMODIALYSIS/ HUMAN/ \*KIDNEY FAILURE, ACUTE, etiology/ \*KIDNEY FAILURE, ACUTE, therapy/ \*KIDNEY TUBULAR NECROSIS, ACUTE, therapy/ \*KIDNEY, transplantation/ PREDNISOLONE, therapeutic use/ \*TRANSPLANTATION, HOMOLOGOUS, adverse effects
49. Alhanese AA, Lorenze EJ Jr, Wein EH: Osteoporosis: effects of calcium. Am Fam Physician 18(4):160-7, Oct 78  
 ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGE FACTORS/ AGED/ \*CALCIUM, DIETARY, administration & dosage/ CHILD/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ \*OSTEOPOROSIS, diet therapy/ \*OSTEOPOROSIS, diagnosis/ \*OSTEOPOROSIS, etiology/ PREMARIN, therapeutic use/ SEX FACTORS
  50. Albert DJ, Brayley KN, Milner JA: Medial hypothalamic electrical stimulation is ineffective in suppressing septal lesion induced hyperreactivity. Physiol Behav 21(1):135-9, Jul 78  
 ANIMAL/ BRAIN MAPPING/ ELECTRIC STIMULATION/ \*HYPOTHALAMUS, physiology/ \*HYPOTHALAMUS, MEDIAL, physiology/ MALE/ \*MOTOR ACTIVITY, physiology/ RATS/ \*SEPTUM PELLUCIDUM, physiology
  51. Alhu I, Georgia R, Vincez J, et al: Some interrelations between the density of the Haversian canals and the area occupied by these in the diaphyseal compact bone in man. Morphol Embryol (Bucur) 24(3):191-5, Jul-Sep 78  
 \*BONE AND BONES, anatomy & histology/ FEMUR, anatomy & histology/ FIBULA, anatomy & histology/ \*HAVERSIAN SYSTEM, anatomy & histology/ HUMAN/ HUMERUS, anatomy & histology/ MALE/ RADIUS, anatomy & histology/ TIBIA, anatomy & histology/ ULNA, anatomy & histology
  52. Aldridge WN, Clothier B, Froshaw P, et al: The effect of DDT and the pyrethroids cismethrin and decamethrin on the acetyl choline and cyclic nucleotide content of rat brain. Biochem Pharmacol 27(12):1703-6, 1978  
 \*ACETYLCHOLINE, metabolism/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BRAIN, drug effects/ \*BRAIN, metabolism/ CEREBELLUM, drug effects/ CEREBELLUM, metabolism/ \*DDT, poisoning/ FEMALE/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ \*NUCLEOTIDES, CYCLIC, metabolism/ \*PYRETHRINS, poisoning/ RATS
  53. Aleck KA, Shapiro LJ: Genetic-metabolic considerations in the sick neonate. Pediatr Clin North Am 25(3):431-51, Aug 78 (124 ref.)  
 AMINO ACIDS, metabolism/ CARBOHYDRATES, metabolism/ DIAGNOSIS, DIFFERENTIAL/ ELECTROLYTES, metabolism/ ENDOCRINE DISEASES, familial & genetic/ HUMAN/ INFANT, NEWBORN/ \*INFANT, NEWBORN, DISEASES, diagnosis/ \*METABOLISM, INBORN ERRORS, classification/ \*METABOLISM, INBORN ERRORS, diagnosis/ METALS, metabolism/ REVIEW/ UREA, metabolism
  54. Aleksandrov NN, Pantiushenko TA, Gutman ZM: Voprosy diagnostiki i lecheniia raka molochnoi zhelezy. (Rus)  
 Vopr Onkol 24(8):3-8, 1978  
 BREAST NEOPLASMS, diagnosis/ BREAST NEOPLASMS, surgery/ \*BREAST NEOPLASMS, therapy/ COMPARATIVE STUDY/ FEMALE/ HORMONES, therapeutic use/ HUMAN/ MAMMOGRAPHY/ MASS SCREENING/ METHODS/ NEOPLASM METASTASIS/ THERMOGRAPHY
  55. Alexander NM, Nishimoto M: Thyroid hormone contamination in crystalline diiodotyrosine. Clin Chem 24(10):1738-9, Oct 78  
 \*DIODOTYROSINE/ \*DRUG CONTAMINATION/ \*THYROXINE/ THYROXINE, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  56. Alexandre C: Analyse de 13 cas d'infertilité masculine apparemment idiopathique traitée avec succès par l'association HMG/HCG. Sem Hop Paris 54(17-20):633-6, Jun 78 (Eng. Abstr.)  
 ADULT/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ \*GONADOTROPINS CHORIONIC, therapeutic use/ HUMAN/ HYPOGONADISM, drug therapy/ MALE/ \*MENOTROPINS, therapeutic use/ OLIGOSPERMIA, drug therapy/ \*STERILITY MALE, drug therapy
  57. Alexandrová M: Mechanismus účinku glukokortikoidů. Cesk Fysiol 27(4):317-31, 1978  
 ANIMAL/ \*GLUCOCORTICOIDS, pharmacodynamics/ IN VITRO/ RATS/ RECEPTORS, GLUCOCORTICOID, drug effects/ \*RECEPTORS, GLUCOCORTICOID, physiology/ \*RECEPTORS, STEROID, physiology
  58. Alford BA, Peoples WM, Resnick JS, et al: Pulmonary complications associated with the prune-belly syndrome. Radiology 129(2):401-7, Nov 78  
 ABDOMEN, radiography/ \*ABDOMINAL WALL, abnormalities/ \*ABNORMALITIES, MULTIPLE/ ATELECTASIS, complications/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ CRYPTORCHIDISM, complications/ HUMAN/ INFANT/ INFANT, NEWBORN/ \*LUNG DISEASES, complications/ \*LUNG, abnormalities/ MALE/ PNEUMONIA, complications/ SYNDROME/ THORACIC RADIOGRAPHY/ URINARY TRACT, abnormalities
  59. Algard FT, Montessori GA, van Netten JP, et al: Is there a high-affinity estrogen binder in human serum? (letter). Clin Chem 24(10):1848-9, Oct 78  
 ADULT/ \*CARRIER PROTEINS, blood/ \*ESTROGENS, blood/ FEMALE/ HUMAN/ RECEPTORS, ESTROGEN, blood
  60. Alipov VI: Teplovodenie v akusherstve i ginekologii. Akush Ginekol (Mosk) (8):4-7, Aug 78 (30 ref.)  
 BREAST, physiology/ FEMALE/ GENITAL DISEASES, FEMALE, diagnosis/ GENITAL NEOPLASMS, FEMALE, diagnosis/ \*GYNECOLOGY, methods/ HUMAN/ INFRARED RAYS, diagnostic use/ MENSTRUATION DISORDERS, diagnosis/ \*OBSTETRICS, methods/ PLACENTA, physiology/ PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY, PREMENSTRUAL TENSION, diagnosis/ PRENATAL DIAGNOSIS, methods/ REVIEW/ SKIN TEMPERATURE/ \*THERMOGRAPHY
  61. Allegra JC, Lippman ME, Thompson EB, et al: Association between steroid hormone receptors and response to cytotoxic chemotherapy in metastatic breast cancer. Cancer Treat Rep 62(9):1281-6, Sep 78  
 ADULT/ \*BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, metabolism/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS/ RECEPTORS, ANDROGEN, metabolism/ RECEPTORS, ESTROGEN, metabolism/ RECEPTORS, GLUCOCORTICOID, metabolism/ RECEPTORS, PROGESTERONE, metabolism/ \*RECEPTORS, STEROID, metabolism/ RETROSPECTIVE STUDIES
  62. Allegra JC, Lippman ME: Growth of a human breast cell line in serum-free hormone-supplemented media. Cancer Res 38(11 Pt 1):3823-9, Nov 78  
 \*BREAST NEOPLASMS, pathology/ \*CARCINOMA, DUCTAL, pathology/ CELL DIVISION, drug effects/ CELL LINE/ CELL SURVIVAL, drug effects/ CULTURE MEDIA/ DEXAMETHASONE, administration & dosage/ DOSE-RESPONSE RELATIONSHIP, DRUGS/ ESTRADIOL, administration & dosage/ HUMAN/ INSULIN, administration & dosage/ NEOPLASMS, EXPERIMENTAL, pathology/ \*NEOPLASMS, HORMONE-DEPENDENT, pathology/ TAMOXIFEN, pharmacodynamics/ TRANSFERRIN, administration & dosage/ TRIIODOTHYRONINE, administration & dosage
  63. Allegra JC, Lippman ME, Thompson EB, et al: Association between steroid hormone receptors and response to chemotherapy in patients with metastatic breast cancer. Cancer Res 38(11 Pt 2):4299-304, Nov 78  
 ADULT/ \*ANTINEOPLASTIC AGENTS, therapeutic use/ \*BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, metabolism/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS, drug therapy/ \*NEOPLASMS



# AUTHOR SECTION

- HORMONE-DEPENDENT, drug therapy/  
NEOPLASMS, HORMONE-DEPENDENT,  
metabolism/ RECEPTORS, ANDROGEN/  
RECEPTORS, ESTROGEN/ RECEPTORS,  
GLUCOCORTICOID/ RECEPTORS,  
PROGESTERONE/ \*RECEPTORS, STEROID/  
REMISSION
4. Allen BR: Telangiectasia macularis perstans. Br J Dermatol 99(Suppl 16):28-9, Jul 78  
AGED/ BONE AND BONES, pathology/ BONE  
MARROW, pathology/ CASE REPORT/ HUMAN/  
MALE/ SKIN, pathology/ \*URTICARIA  
PIGMENTOSA, pathology
5. Allen IV, Millar JH, Hutchinson MJ: General disease in 120 necropsy-proven cases of multiple sclerosis. Neuropathol Appl Neurobiol 4(4):279-84, Jul-Aug 78  
ADOLESCENCE/ ADULT/ ATROPHY,  
complications/ CEREBRAL HEMORRHAGE,  
complications/ CEREBRAL INFARCTION,  
complications/ CEREBROVASCULAR DISORDERS,  
complications/ CHILD/ FEMALE/  
HEMOSIDEROSIS, complications/ HUMAN/  
MALE/ MIDDLE AGE/ \*MULTIPLE SCLEROSIS,  
complications/ MYOCARDIAL INFARCTION,  
complications/ NEOPLASMS, complications/  
THYROID GLAND, pathology
6. Allen JC: Regulation of calcium by vascular smooth muscle cellular components. pp. 157-71. In: Weiss GB, ed. Calcium in drug action. New York, Plenum Press, 1978. QV 276 S989c 1977. (35 ref.)  
ANIMAL/ BLOOD VESSELS, metabolism/ \*BLOOD  
VESSELS, physiology/ BLOOD VESSELS,  
ultrastructure/ \*CALCIUM, metabolism/ IN VITRO/  
MITOCHONDRIA, MUSCLE, metabolism/  
MITOCHONDRIA, MUSCLE, physiology/  
MONOGRAPH/ MUSCLE CONTRACTION/  
MUSCLE PROTEINS, physiology/ MUSCLE,  
SMOOTH, metabolism/ \*MUSCLE, SMOOTH,  
physiology/ MUSCLE, SMOOTH, ultrastructure/  
REVIEW/ SARCOLEMMMA, metabolism/  
SARCOLEMMMA, physiology/ SARCOPLASMIC  
RETICULUM, metabolism/ SARCOPLASMIC  
RETICULUM, physiology/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
- Allen WE, Clarke AR: Absorption of sodium benzylpenicillin from the equine uterus after local Lugol's iodine treatment, compared with absorption after intramuscular injection. Equine Vet J 10(3):174-5, Jul 78  
ANIMAL/ COMPARATIVE STUDY/ FEMALE/  
\*HORSES, blood/ INJECTIONS/ INJECTIONS,  
INTRAMUSCULAR/ \*IODINE, pharmacodynamics/  
PENICILLIN G, administration & dosage/  
\*PENICILLIN G, blood/ UTERUS, drug effects/  
\*UTERUS, metabolism
- Alluchon-Gérard MJ, Mellinger J: Observation de 'cellules de thyroïdectomie' au microscope électronique dans le lobe ventral de l'hypophyse d'un poisson Chondrichthys, la Roussette Scyllium canalicula Cuv. C R Acad Sci [D] (Paris) 286(21):1511-4, 29 May 78 (Eng. Abstr.) (Fre)  
ANIMAL/ DOGFISH/ ENGLISH ABSTRACT/  
MICROSCOPY, ELECTRON/ \*PITUITARY  
GLAND, ANTERIOR, cytology/ PITUITARY  
GLAND, ANTERIOR, ultrastructure/  
\*THYROIDECTOMY
- Almay BG, Johansson F, Von Knorring L, et al: Endorphins in chronic pain. I. Differences in CSF endorphin levels between organic and psychogenic pain syndromes. Pain 5(2):153-62, Aug 78  
ADULT/ CHRONIC DISEASE/ \*ENDORPHINS,  
cerebrospinal fluid/ FEMALE/ HUMAN/ MALE/  
MIDDLE AGE/ \*PAIN, cerebrospinal fluid/ PAIN,  
diagnosis/ PAIN, etiology/ \*PSYCHOPHYSIOLOGIC  
DISORDERS, cerebrospinal fluid
- Alonso G, Balmeffréz M, Assenmacher I: Etude de l'innervation monoaminergique et peptidergique de l'émence médiane du rat par une combinaison, sur le même hypothalamus, des techniques d'histofluorescence, d'immunocytochimie et de radioautographie. C R Soc Biol (Paris) 172(1):138-48, 1978 (Eng. Abstr.) (Fre)  
\*AMINES, physiology/ ANIMAL/  
AUTORADIOGRAPHY/ COMPARATIVE STUDY/  
ENGLISH ABSTRACT/ FLUORESCENT
- ANTIBODY TECHNIC/  
\*HYPOTHALAMO-HYPOPHYSEAL SYSTEM,  
physiology/ \*HYPOTHALAMUS, physiology/  
\*LH-FSH RELEASING HORMONE, physiology/  
MALE/ \*MEDIAN EMINENCE, physiology/  
MICROSCOPY, FLUORESCENCE, methods/ RATS/  
\*SOMATOTROPIN RELEASE INHIBITING  
HORMONE, physiology
71. Alpert W: Human alpha-fetoprotein (AFP) developmental and biological characteristics. UCLA Forum Med Sci 20:19-26, 1978 (47 ref.)  
ADULT/ ALPHA FETOPROTEINS, analysis/  
ALPHA FETOPROTEINS, biosynthesis/ \*ALPHA  
FETOPROTEINS, physiology/ ANIMAL/ CHILD/  
COMPARATIVE STUDY/ ESTROGENS,  
metabolism/ FEMALE/ FETUS, metabolism/  
GROWTH SUBSTANCES/ HUMAN/ IMMUNITY/  
INFANT, NEWBORN/ LIVER DISEASES, blood/  
LIVER REGENERATION/ MAMMALS/  
PREGNANCY/ REVIEW/ SERUM ALBUMIN/  
SPECIES SPECIFICITY/ TRYPSIN INHIBITORS
72. Altenbrunn HJ: Nuklearmedizinische Therapie maligner Tumoren. Z Gesamte Inn Med 33(14):475-84, 15 Jul 78 (Eng. Abstr.) (Ger)  
AGED/ CASE REPORT/ ENGLISH ABSTRACT/  
GOLD RADIOISOTOPES, therapeutic use/ HUMAN/  
INJECTIONS, INTRATHECAL/ IODINE  
RADIOISOTOPES, therapeutic use/ MALE/  
\*NEOPLASMS, radiotherapy/ PHOSPHORUS  
RADIOISOTOPES, therapeutic use/ PLEURAL  
NEOPLASMS, radiotherapy/ POLYCYTHEMIA  
VERA, radiotherapy/ RADIOISOTOPES,  
administration & dosage/ \*RADIOISOTOPES,  
therapeutic use/ THYROID NEOPLASMS,  
radiotherapy
73. Altschuler P, Klahr S, Rosenbaum R, et al: Effects of inhibitors of prostaglandin synthesis on renal sodium excretion in normal dogs and dogs with decreased renal mass. Am J Physiol 235(4):F338-44, Oct 78  
ADMINISTRATION, ORAL/ ANIMAL/  
\*ANTHRANILIC ACIDS, pharmacodynamics/  
DIURESIS/ DOGS/ FEMALE/ INDOMETHACIN,  
administration & dosage/ \*INDOMETHACIN,  
pharmacodynamics/ \*MECLOFENAMIC ACID,  
pharmacodynamics/ \*NATRIURESIS, drug effects/  
NEPHRECTOMY/ \*PROSTAGLANDINS,  
biosynthesis/ RENAL ARTERY OBSTRUCTION,  
physiopathology/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ VEHICLES,  
pharmacodynamics
74. Alumets J, Håkanson R, Sundler F, et al: Leu-enkephalin-like material in nerves and enterochromaffin cells in the gut. An immunohistochemical study. Histochemistry 56(3-4):187-96, 12 Jul 78  
ANIMAL/ CATS/ CHICKENS/ \*CHROMAFFIN  
SYSTEM, analysis/ CYTOPLASMIC GRANULES,  
analysis/ DUODENUM, cytology/ \*ENDORPHINS,  
analysis/ \*ENKEPHALINS, analysis/  
\*ENTEROCHROMAFFIN CELLS, analysis/  
GUINEA PIGS/ HISTOCYTOCHEMISTRY/  
HUMAN/ IMMUNOCHEMISTRY/ \*INTESTINES,  
cytology/ INTESTINES, innervation/ MICE/  
MONKEYS/ MYENTERIC PLEXUS, analysis/  
\*NERVE FIBERS, analysis/ PANCREAS, cytology/  
RABBITS/ RATS/ SPECIES SPECIFICITY/ SWINE
75. Alvarez F, Robertson DN, Montes de Oca V, et al: Comparative clinical trial of the progestins R-2323 and levonorgestrel administered by subdermal implants. Contraception 18(2):151-62, Aug 78  
ADOLESCENCE/ ADULT/ ALANINE  
AMINOTRANSFERASE, blood/ ASPARTATE  
AMINOTRANSFERASE, blood/ COMPARATIVE  
STUDY/ FEMALE/ HEMATOCRIT/ HUMAN/  
NORGESTREL, administration & dosage/  
NORGESTREL, adverse effects/ \*NORGESTREL,  
therapeutic use/ \*NORPREGNATRIENES, therapeutic  
use/ PREGNANCY/ R 2323, administration & dosage/  
R 2323, adverse effects/ \*R 2323, therapeutic use/ TIME  
FACTORS/ UTERINE HEMORRHAGE, etiology
76. Amato JJ, Rheinlander HF, Cleveland RJ: Post-traumatic adult respiratory distress syndrome. Orthop Clin North Am 9(3):693-713, Jul 78  
ADOLESCENCE/ ADRENAL CORTEX  
HORMONES, therapeutic use/ ANALGESICS,

## AUTHOR SECTION

- therapeutic use/ CARBON DIOXIDE, blood/  
FEMALE/ HEMODYNAMICS/ HEPARIN,  
therapeutic use/ HUMAN/ HYPNOTICS AND  
SEDATIVES, therapeutic use/ INTUBATION,  
INTRATRACHEAL/ LUNG VOLUME  
MEASUREMENTS/ OXYGEN, blood/  
OXYGENATORS, MEMBRANE/ PULMONARY  
CIRCULATION/ RESPIRATION, ARTIFICIAL/  
\*RESPIRATORY DISTRESS SYNDROME,  
ADULT/ RESPIRATORY DISTRESS SYNDROME,  
ADULT, etiology/ RESPIRATORY DISTRESS  
SYNDROME, ADULT, physiopathology/  
RESPIRATORY DISTRESS SYNDROME, ADULT,  
radiography/ RESPIRATORY DISTRESS  
SYNDROME, ADULT, therapy/ \*WOUNDS AND  
INJURIES, complications
77. Ambach G, Kivovics P, Palkovits M: The arterial and venous blood supply of the preoptic region in the rat. *Acta Microbiol Acad Sci Hung* 25(2):21-41, 1978  
ANIMAL/ ARTERIES, anatomy & histology/  
CEREBRAL ARTERIES, anatomy & histology/  
CEREBRAL VENTRICLES, blood supply/  
\*HYPOTHALAMUS, blood supply/ \*PREOPTIC  
AREA, blood supply/ RATS/ VEINS, anatomy &  
histology
  78. Amino N: [Transient postpartum hypothyroidism] (Jpn)  
Nippon Rinsho Suppl:1562-3, May 78  
FEMALE/ HUMAN/ \*HYPOTHYROIDISM/  
INFANT/ MALE/ PREGNANCY/ \*PUERPERAL  
DISORDERS
  79. Aminoff MJ, Ehsanullah RS, Turner P: Uptake of dopamine and 5-hydroxytryptamine by platelets of patients with Parkinsonism. *J Neurol Neurosurg Psychiatry* 41(7):589-92, Jul 78  
ADULT/ AGED/ BLOOD CELL COUNT/ \*BLOOD  
PLATELETS, metabolism/ \*DOPAMINE,  
metabolism/ FEMALE/ HUMAN/ KINETICS/  
MALE/ MIDDLE AGE/ \*PARKINSON DISEASE,  
metabolism/ \*SEROTONIN, metabolism
  80. Amma MK, Singh J, Sareen P, et al: Changes in rat plasma hydroxyproline during estrus & estrogen treatment. *Indian J Exp Biol* 16(7):806-8, Jul 78  
ANIMAL/ \*ESTRADIOL, pharmacodynamics/  
\*ESTRUS/ FEMALE/ \*HYDROXYPROLINE,  
blood/ LIVER, enzymology/ PREGNANCY/  
\*PREGNANCY, ANIMAL/ PROLINE  
HYDROXYLASE, metabolism/ RATS/ UTERUS,  
enzymology
  81. Ammon J, Karstens JH, Rübben H: Unterstützung einer am TNM-System orientierten Bestrahlungsplanung urologischer Tumoren durch die Computertomographie. ROEFO 129(2):253-9, Aug 78 (Eng. Abstr.) (Ger)  
ADENOCARCINOMA, radiography/ BLADDER  
NEOPLASMS, radiography/ COBALT  
RADIOISOTOPES, therapeutic use/  
DYSGERMINOMA, radiotherapy/ ENGLISH  
ABSTRACT/ HUMAN/ KIDNEY NEOPLASMS,  
radiography/ MALE/ NEOPLASM RECURRENCE,  
LOCAL/ PROSTATIC NEOPLASMS, radiography/  
RADIOISOTOPE TELETHERAPY/ TESTICULAR  
NEOPLASMS, radiotherapy/ TOMOGRAPHY,  
COMPUTERIZED AXIAL/ UROGENITAL  
NEOPLASMS, classification/ UROGENITAL  
NEOPLASMS, radiography/ \*UROGENITAL  
NEOPLASMS, radiotherapy
  82. Amory C, Mainard F, Bousquet B: Approche du mécanisme d'induction de la tyrosine transaminase de foie de Rat par des dérivés phénothiaziniques et chimiquement apparentés. *C R Acad Sci [D] (Paris)* 287(3):173-6, 17 Jul 78 (Eng. Abstr.) (Fre)  
ADRENAL GLANDS, physiology/  
ADRENALECTOMY/ ANIMAL/  
CHLORPROMAZINE, pharmacodynamics/  
DACTINOMYCIN, pharmacodynamics/ DRUG  
COMBINATIONS/ DRUG SYNERGISM/ ENGLISH  
ABSTRACT/ ENZYME INDUCTION, drug effects/  
HYDROCORTISONE, pharmacodynamics/ \*LIVER,  
enzymology/ \*PHENOTHIAZINES,  
pharmacodynamics/ PROMETHAZINE,  
pharmacodynamics/ RATS/ TYROSINE  
AMINOTRANSFERASE, antagonists & inhibitors/  
\*TYROSINE AMINOTRANSFERASE, biosynthesis
  83. Amstutz HE: Management of salmonellosis in neonatal calves. *J Am Vet Med Assoc* 173(5 Pt 2):608-9, 1 Sep 78
  - ADRENAL CORTEX HORMONES, therapeutic use/  
ANIMAL FEED/ ANIMAL/ \*ANIMALS,  
NEWBORN/ ANTIBIOTICS, therapeutic use/  
CATTLE DISEASES, drug therapy/ CATTLE  
DISEASES, prevention & control/ \*CATTLE  
DISEASES, therapy/ CATTLE/ COLOSTRUM/  
DEHYDRATION, veterinary/ HOUSING, ANIMAL  
MILK/ PARENTERAL FEEDING/ SALMONELLA  
INFECTIONS, ANIMAL, drug therapy/  
SALMONELLA INFECTIONS, ANIMAL, prevention  
& control/ \*SALMONELLA INFECTIONS,  
ANIMAL, therapy
  84. Anacletio A, Conti G, Moras ML, et al: Effect of immunomodulators on thymocyte suppressive activity in mice. *Eur J Cancer* 14(8):829-35, Aug 78  
ADRENALECTOMY/ ANIMAL/ \*BCG,  
immunology/ DOSE-RESPONSE RELATIONSH  
IMMUNOLOGIC/ GRAFT VS HOST REACTIO  
drug effects/ IMMUNOSUPPRESSION/ KINETIC  
MICE/ MICE, INBRED C3H/ \*MYCOBACTERI  
BOVIS, immunology/ \*POLYMERS,  
pharmacodynamics/ \*PROPIONIBACTERIUM  
ACNES, immunology/ PYRAN COPOLYMER,  
immunology/ \*PYRAN COPOLYMER,  
pharmacodynamics/ \*T-LYMPHOCYTES,  
immunology/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
  85. Andersen R: Cognitive changes after amygdalotomy. *Neuropsychologia* 16(4):439-51, 1978  
ADOLESCENCE/ ADULT/ \*AMYGDALOID  
BODY, physiology/ AMYGDALOID BODY, surg  
ATTENTION, physiology/ \*COGNITION,  
physiology/ DOMINANCE, CEREBRAL, physi  
EPILEPSY, TEMPORAL LOBE, surgery/ FEMA  
HUMAN/ INTELLIGENCE/ MALE/ MEMOR  
SHORT-TERM, physiology/ MIDDLE AGE/  
PAIRED-ASSOCIATE LEARNING, physiology/  
PSYCHOLOGICAL TESTS/ RECALL, physiolo  
VERBAL BEHAVIOR, physiology/ VISUAL  
PERCEPTION, physiology
  86. Andersen SR, Geertinger P, Larsen HW, et al: Deletion syndromet. Airdi, urogenital misdannelse og åndssvaghed. *Ugeskr Laeger* 140(35):2112, 28 Aug 78  
CASE REPORT/ \*CHROMOSOME DELETION/  
\*CHROMOSOMES, HUMAN, 6-12/ DIAGNOS  
DIFFERENTIAL/ \*DYSGERMINOMA, familia  
genetic/ \*GENITALIA, abnormalities/ HUMAN,  
\*IRIS, abnormalities/ \*KIDNEY NEOPLASMS,  
familial & genetic/ \*MENTAL RETARDATION  
familial & genetic/ \*NEPHROBLASTOMA, fami  
genetic/ SYNDROME
  87. Anderson CH: Time of neuron origin in the anterior hypothalamus of the rat. *Brain Res* 154(1):119-22, 6 Oct 78  
ANIMAL/ ANIMALS, NEWBORN/  
AUTORADIOGRAPHY/ \*CELL  
DIFFERENTIATION/ CELL DIVISION/ CEL  
MOVEMENT/ FEMALE/ \*HYPOTHALAMUS,  
cytology/ \*HYPOTHALAMUS, ANTERIOR,  
cytology/ NEURONS, cytology/  
PARAVENTRICULAR NUCLEUS, cytology/  
PREGNANCY/ PREOPTIC AREA, cytology/  
RATS/ SPECIES SPECIFICITY/ UNITED STA  
GOV'T SUPPORTED, P.H.S.
  88. Anderson JA: Malignant pyoderma. *Br J Dermatol* 99(2):211-2, Aug 78  
CASE REPORT/ DAPSONE, therapeutic use/  
FEMALE/ HUMAN/ MIDDLE AGE/ PYODER  
complications/ PYODERMA, drug therapy/  
\*PYODERMA, pathology/ SKIN ULCER, etiolo  
SKIN, pathology/ TRIAMCINOLONE, therapeut
  89. Anderson RJ, Pluss RG, Berns AS, et al: Mechanism of hypoxia on renal water excretion. *J Clin Invest* 62(4):769-77, Oct 78  
ANIMAL/ \*ANOXIA, physiopathology/ CARO  
BODY, physiopathology/ \*DIURESIS/ DIURE  
drug effects/ DOGS/ FEMALE/ KIDNEY,  
innervation/ \*KIDNEY, physiopathology/ MAL  
OSMOLAR CONCENTRATION/ PITUITARY  
GLAND, POSTERIOR, physiopathology/ UNIT  
STATES GOV'T SUPPORTED, P.H.S./  
VASOPRESSINS, pharmacodynamics/ UN  
WATER-ELECTROLYTE BALANCE
  90. Anderson WB, Jaworski CJ, Gallo M, et al: Adenylate cyclase in a fibroblast mutant defective in glycolipid and glycoprotein metabolism. *J Biol Chem* 253(1):1-5, 1978



## AUTHOR SECTION

- synthesis. *Nature* 275(5677):223-4, 21 Sep 78  
 \*ACETYLTRANSFERASES, deficiency/ \*ADENYL  
 CYCLASE, metabolism/ CELL LINE/ CELL  
 MEMBRANE, metabolism/ CELL  
 TRANSFORMATION, NEOPLASTIC, metabolism/  
 \*CHOLERA TOXIN, pharmacodynamics/ ENZYME  
 ACTIVATION/ \*GANGLIOSIDES, metabolism/  
 GLUCOSAMINE/ GLYCOPROTEINS, biosynthesis/  
 RECEPTORS, DRUG, drug effects/ RECEPTORS,  
 DRUG, metabolism
1. Andersson KH: The cellular control of growth in cultures of  
*Tetrahymena* 2 In fluence of Fe medium and aeration on  
 culture growth and cellular exchange of Ca. *Cytobios*  
 19(74):119-41, 1977  
 \*AIR/ ANIMAL/ \*CALCIUM, metabolism/  
 COMPARATIVE STUDY/ CULTURE MEDIA/  
 \*IRON, metabolism/ PROTEINS, biosynthesis/  
 \*TETRAHYMENA PYRIFORMIS, growth &  
 development/ TETRAHYMENA PYRIFORMIS,  
 metabolism
2. Andler W, Havers W, Stambolis C, et al: Renal cell carcinoma  
 following radiation therapy for an adrenal cortical carcinoma.  
*J Pediatr* 93(4):634-6, Oct 78  
 \*ADENOCARCINOMA, etiology/  
 ADENOCARCINOMA, pathology/ ADRENAL  
 CORTEX NEOPLASMS, pathology/ \*ADRENAL  
 CORTEX NEOPLASMS, radiotherapy/ BIOPSY/  
 CARCINOMA, pathology/ \*CARCINOMA,  
 radiotherapy/ CASE REPORT/ CHILD/ FEMALE/  
 HUMAN/ INFANT/ \*KIDNEY NEOPLASMS,  
 etiology/ KIDNEY NEOPLASMS, pathology/  
 \*NEOPLASMS, RADIATION-INDUCED, etiology/  
 \*RADIOTHERAPY, adverse effects
3. Andre J, Raynaud A, Rochefort H: Characterization of the  
 estradiol receptor extracted from nuclei by micrococcal  
 nuclease. *Biochemistry* 17(17):3619-26, 22 Aug 78  
 ANIMAL/ \*CELL NUCLEUS, metabolism/  
 CYTOSOL, metabolism/ ENDOMETRIUM,  
 metabolism/ \*ESTRADIOL, metabolism/ FEMALE/  
 \*MICROCOCAL NUCLEASE/ MOLECULAR  
 WEIGHT/ PROTEIN CONFORMATION/  
 \*RECEPTORS, ESTROGEN/ RECEPTORS,  
 ESTROGEN, isolation & purification/ RECEPTORS,  
 ESTROGEN, metabolism/ SHEEP/ UTERUS,  
 metabolism
4. Andrei V, Luchian I, Serban G: Efectul disociat al tratamentului  
 cu ACTH asupra sechelelor paralizei faciale Bell.  
*Rev Med Interna [Neurol Psihiatr]* 23(2):117-22, Apr-Jun  
 78 (Rum)  
 ADOLESCENCE/ ADULT/  
 ANTI-INFLAMMATORY AGENTS, therapeutic use/  
 \*CORTICOTROPIN, therapeutic use/ DRUG  
 THERAPY, COMBINATION/ \*FACIAL  
 PARALYSIS, drug therapy/ FEMALE/ HUMAN/  
 MALE/ MIDDLE AGE/ PREDNISOLONE,  
 therapeutic use/ VASODILATOR AGENTS,  
 therapeutic use
5. Andrews WW, Ojeda SR: Control of luteinizing hormone  
 release in prepubertal female rats: evidence for an enhanced  
 ability of the hypothalamus to release luteinizing hormone  
 releasing hormone as the pituitary responsiveness to  
 luteinizing hormone releasing hormone declines.  
*J Endocrinol* 78(2):281-2, Aug 78  
 ANIMAL/ FEMALE/  
 \*HYPOTHALAMO-HYPOPHYSAL SYSTEM,  
 secretion/ LH, blood/ \*LH, secretion/ \*LH-FSH  
 RELEASING HORMONE, pharmacodynamics/  
 PROTAGLANDINS E, pharmacodynamics/ RATS/  
 SECRETORY RATE, drug effects/ SEX  
 MATURATION/ UNITED STATES GOV'T  
 SUPPORTED, P.H.S.
6. Andrianov VV, Zakharov ND, Fadeev IuA: Osobennosti  
 khemochnykh sostoyaniy korykorykh neironov v usloviakh  
 svobodnogo povedeniia zhivotnogo.  
*Zh Vyssh Nerv Deiat* 28(4):827-9, Jul-Aug 78 (Rus)  
 \*ACETYLCHOLINE, pharmacodynamics/ ANIMAL/  
 CATS/ COMPARATIVE STUDY/ \*FEEDING  
 BEHAVIOR, physiology/ IONTOPHORESIS/  
 NEURONS, drug effects/ \*NOREPINEPHRINE,  
 pharmacodynamics/ RESTRAINT, PHYSICAL/  
 \*SEROTONIN, pharmacodynamics/  
 \*SOMATOSENSORY CORTEX, cytology/  
 SOMATOSENSORY CORTEX, physiology
7. Anczak K, Ando R, Shima K, et al: [Effects of diazepam on  
 evoked potential recorded from basal medial amygdaloid  
 nucleus, lateral hypothalamus and midbrain reticular  
 formation (author's transl)] *Nippon Yakurigaku Zasshi*  
 74(4):491-8, May 78 (Eng. Abstr.) (Jpn)  
 AMYGDALOID BODY, drug effects/ ANIMAL/  
 \*BRAIN, drug effects/ CATS/ DEPRESSION,  
 CHEMICAL/ \*DIAZEPAM, pharmacodynamics/  
 ELECTRIC STIMULATION/ ENGLISH  
 ABSTRACT/ EVOKED POTENTIALS, drug effects/  
 FEMALE/ HYPOTHALAMUS, drug effects/ MALE/  
 RETICULAR FORMATION, drug effects
98. Angielski S, Szczepanska M: Restoration of the phosphaturic  
 effect of parathyroid hormone in lithium-treated rats.  
*Curr Probl Clin Biochem* 8:463-71, 23-26 Oct 77  
 ACIDOSIS, metabolism/ ACIDOSIS,  
 RESPIRATORY, metabolism/ ANIMAL/  
 BICARBONATES, metabolism/ CARBON DIOXIDE,  
 blood/ CITRATES, blood/ KETOGLUTARIC  
 ACIDS, metabolism/ LACTATES, urine/ \*LITHIUM,  
 pharmacodynamics/ MALE/ \*PARATHYROID  
 HORMONE, pharmacodynamics/ \*PHOSPHATES,  
 metabolism/ PYRUVATES, metabolism/ RATS
99. Anhut H, Bernauer W, Peskar BA: Pharmacological  
 modification of thromboxane and prostaglandin release in  
 cardiac anaphylaxis. *Prostaglandins* 15(5):889-900, May 78  
 \*ANAPHYLAXIS, metabolism/ ANAPHYLAXIS,  
 physiopathology/ ANIMAL/ CORONARY  
 CIRCULATION, drug effects/ GUINEA PIGS/  
 IMIDAZOLES, pharmacodynamics/ IN VITRO/  
 ISOPROTERENOL, pharmacodynamics/  
 \*MYOCARDIUM, metabolism/ PROTAGLANDINS  
 D, pharmacodynamics/ \*PROTAGLANDINS,  
 metabolism/ \*THROMBOXANE B2, metabolism/  
 \*THROMBOXANES, metabolism
100. Anisimov VN, Mokshin VE, Dil'man VM: Vozrastnoe  
 povyschenie poroga chuvstvitel'nosti tonicheskoi oblasti  
 polovogo tsentra gipotalamusa k tormozheniiu estradiolom  
 u samok krys. *Biull Eksp Biol Med* 86(8):228-30, Aug 78  
 (Eng. Abstr.) (Rus)  
 AGE FACTORS/ ANIMAL/ COMPARATIVE  
 STUDY/ DEPRESSION, CHEMICAL/ ENGLISH  
 ABSTRACT/ \*ESTRADIOL, pharmacodynamics/  
 FEMALE/ \*HYPOTHALAMUS, drug effects/  
 HYPOTHALAMUS, secretion/ \*LH-FSH  
 RELEASING HORMONE, secretion/ RATS
101. Anisimov VN: Vliianie tsentral'nykh m-i n-kholinergicheskikh  
 sredstv na kompensatornuiu gipertrofiiu iaichnika u krys.  
*Probl. Endokrinol (Mosk)* 24(5):85-7, Sep-Oct 78 (Eng.  
 Abstr.) (Rus)  
 ADAPTATION, PHYSIOLOGICAL, drug effects/  
 ANIMAL/ CASTRATION/ DRUG  
 INTERACTIONS/ ENGLISH ABSTRACT/  
 FEMALE/ HYPERTROPHY/ \*OVARY, drug effects/  
 \*PARASYMPATHOLYTICS, pharmacodynamics/  
 \*PARASYMPATHOMIMETICS, pharmacodynamics/  
 RATS/ TIME FACTORS
102. Anke M, Schneider HJ, Partschfeld M, et al: Der Einfluss  
 einer kalziumarmen, phosphat- oder  
 ammoniumchloridreichen Ernährung auf die Entwicklung  
 und den Mineralstoffhaushalt wachsender Zwergrschweine.  
*Z Urol Nephrol* 71(7):463-72, Jul 78 (Eng. Abstr.) (Ger)  
 \*AMMONIA, administration & dosage/ AMMONIA,  
 metabolism/ ANIMAL NUTRITION/ ANIMAL/  
 BODY WEIGHT/ BRAIN, metabolism/ CALCIUM,  
 metabolism/ \*CALCIUM, DIETARY, administration &  
 dosage/ COPPER, metabolism/ ENGLISH  
 ABSTRACT/ LIVER, metabolism/ MANGANESE,  
 metabolism/ \*NUTRITION/ \*PHOSPHATES,  
 administration & dosage/ PHOSPHATES, metabolism/  
 SPECIES SPECIFICITY/ \*SWINE, growth &  
 development/ ZINC, metabolism
103. Anné T, Derom F: Peroperative identificatie van de  
 parathyroiden na methyleenblauwkleuring. *Acta Chir Belg*  
 77(5):375-9, Sep-Oct 78 (Eng. Abstr.) (Dut)  
 ADENOMA, surgery/ ENGLISH ABSTRACT/  
 HUMAN/ \*HYPERPARATHYROIDISM, surgery/  
 \*METHYLENE BLUE/ \*PARATHYROID  
 GLANDS/ PARATHYROID GLANDS, surgery/  
 PARATHYROID NEOPLASMS, surgery/  
 PREOPERATIVE CARE
104. Anniko M, Hirsch A: Bilateral reversible sudden deafness. A  
 case report. *Arch Otorhinolaryngol* 221(1):1-5, 31 Aug 78  
 AUDITORY THRESHOLD/ \*DEAFNESS,  
 SUDDEN, etiology/ HUMAN/ LARYNGITIS,

# AUTHOR SECTION

- complications/ MALE/ PREDNISOLONE, therapeutic use/ REFLEX/ RHINITIS, complications/ SPEECH DISCRIMINATION TESTS/ STAPEDIUS/ TINNITUS, etiology
105. Annunziato LA, Wuerthele SM, Moore KE: Comparative effects of penfluridol on circling behavior and striatal DOPAC and serum prolactin concentrations in the rat. Eur J Pharmacol 50(3):187-92, 1 Aug 78  
ANIMAL/ APOMORPHINE, pharmacodynamics/ \*BEHAVIOR, drug effects/ COMPARATIVE STUDY/ CORPUS STRIATUM, drug effects/ \*CORPUS STRIATUM, metabolism/ DRUG INTERACTIONS/ MALE/ \*PENFLURIDOL, pharmacodynamics/ \*PHENYLACETATES, metabolism/ \*PIPERIDINES, pharmacodynamics/ \*PROLACTIN, blood/ RATS/ \*STEREOTYPED BEHAVIOR, drug effects/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*3,4-DIHYDROXYPHENYLACETIC ACID, metabolism
  106. Anoussakis C, Alexiou D, Liakakos D, et al: hCG stimulation test in prepubertal boys with cryptorchidism. J Pediatr 93(4):630-2, Oct 78  
CHILD/ CHILD, PRESCHOOL/ \*CRYPTORCHISM, physiopathology/ \*GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ MALE/ \*PUBERTY/ \*TESTIS, physiopathology/ TESTOSTERONE, blood/ \*TESTOSTERONE, secretion/ TIME FACTORS
  107. Anselmo J: Bromocriptina en el tratamiento de las amenorreas con hiperprolactinemia. Rev Chil Obstet Ginecol 42(4):248-55, 1977 (Spa)  
ADULT/ \*AMENORRHEA, drug therapy/ CASE REPORT/ FEMALE/ HUMAN/ \*PITUITARY DISEASES, drug therapy/ PROLACTIN, blood/ \*PROLACTIN, secretion/ \*STERILITY, FEMALE, drug therapy/ \*2-BROMOERGOCRYPTINE, therapeutic use
  108. Antar MA, Spencer RP: Effects of therapy on major organ function and imaging. pp. 53-81. In: Spencer RP, ed. Therapy in nuclear medicine. New York, Grune & Stratton, 1978. WN 450 T398 1977. (143 ref.)  
ADOLESCENCE/ ADULT/ AGED/ BONE DISEASES, etiology/ BONE MARROW DISEASES, etiology/ BRAIN DISEASES, etiology/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GASTROINTESTINAL DISEASES, etiology/ HUMAN/ IODINE RADIOISOTOPES, adverse effects/ LIVER DISEASES, etiology/ LUNG DISEASES, etiology/ MALE/ MIDDLE AGE/ MONOGRAPH/ \*NEOPLASMS, RADIATION-INDUCED/ \*RADIATION INJURIES/ RADIOACTIVE FALLOUT/ \*RADIOGRAPHY, adverse effects/ \*RADIOTHERAPY, adverse effects/ REVIEW/ SPLENIC DISEASES, etiology/ THYROID NEOPLASMS, etiology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UROLOGIC DISEASES, etiology
  109. Anthony TR, Anthony SL, Anthony DJ: On temporal structure of human hiccups: ethology and chronobiology. Int J Chronobiol 5(3):477-92, 1978  
ADULT/ CHILD/ CONTRACEPTIVES, ORAL/ FEMALE/ \*HICCUP, physiopathology/ HUMAN/ MALE/ MENSTRUATION/ ONTOGENY/ PERIODICITY/ PREGNANCY/ WAKEFULNESS
  110. Antonov VV: Sposobnost' k obucheniiu u krolikov, prenatal'no razvivavshikhsia v usloviakh snizhennogo matochno-platsentarnogo krovoobrashcheniia. Zh Vyssh Nerv Deiat 28(4):830-2, Jul-Aug 78 (Rus)  
ABNORMALITIES, etiology/ ANIMAL/ FEMALE/ FETAL ANOXIA, complications/ \*LEARNING DISORDERS, etiology/ \*PLACENTA DISORDERS, complications/ \*PLACENTA, blood supply/ PREGNANCY/ RABBITS
  111. Antunes JL, Zimmerman EA: The hypothalamic magnocellular system of the rhesus monkey: an immunocytochemical study. J Comp Neurol 181(3):539-65, 1 Oct 78  
ANIMAL/ COMPARATIVE STUDY/ FEMALE/ \*HYPOTHALAMUS, anatomy & histology/ HYPOTHALAMUS, metabolism/ IMMUNOENZYME TECHNIQUES/ MONKEYS/ NEUROPHYSINS, metabolism/ OXYTOCIN, metabolism/ PARAVENTRICULAR NUCLEUS, anatomy & histology/ RHESUS MONKEYS/ SUPRAOPTIC NUCLEUS, anatomy & histology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOPRESSIN metabolism
  112. Anwar AR, Kay B: Enhancement of human eosinophil complement receptors by pharmacologic mediators. J Immunol 121(4):1245-50, Oct 78  
BINDING SITES/ BRADYKININ, pharmacodynamics/ COMPLEMENT 3/ \*COMPLEMENT/ DOSE-RESPONSE RELATIONSHIP, IMMUNOLOGIC/ \*EOSINOPHILS, immunology/ \*HISTAMINE, pharmacodynamics/ HUMAN/ \*OLIGOPEPTIDES, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ ROSETTE FORMATION/ SEROTONIN, pharmacodynamics/ TIME FACTORS
  113. Anylian GH, Dom J, Swerdlow J: The manifestations, etiology and assessment of ethanol-induced hangover. S Afr Med J 54(5):193-8, 29 Jul 78 (44 ref.)  
ALCOHOL DRINKING/ ALCOHOLIC INTOXICATION, classification/ ALCOHOLIC INTOXICATION, drug therapy/ \*ALCOHOLIC INTOXICATION, metabolism/ ALDOSTERONE, blood/ CLINICAL RESEARCH/ HUMAN/ HYDROCORTISONE, blood/ MALE/ RENIN blood/ REVIEW/ STATISTICS/ TESTOSTERONE
  114. Aoki A, Fawcett DW: Is there a local feedback from seminiferous tubules affecting activity of the Leydig cell? Biol Reprod 19(1):144-58, Aug 78  
ANIMAL/ CYPROTERONE, pharmacodynamics/ FEEDBACK/ LEYDIG CELLS, drug effects/ \*LEYDIG CELLS, physiology/ LEYDIG CELL ultrastructure/ MALE/ RATS/ \*SEMINIFEROUS TUBULES, physiology/ SPERMATOGENESIS effects/ \*TESTIS, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  115. Aoki A, Metz J, Forssmann WG: Studies on the ultrastructure and permeability of the hemotrichorial placenta. II. capillaries and tracer administration into the fetal blood circulation. Cell Tissue Res 192(3):409-22, 26 Sep 78  
ANIMAL/ CAPILLARIES, ultrastructure/ FETUS, ultrastructure/ HORSE RADISH PEROXIDASE/ INTERCELLULAR JUNCTIONS, ultrastructure/ LANTHANUM/ \*MATERNAL-FETAL EXCHANGE/ PERMEABILITY/ \*PLACENTA, physiology/ PLACENTA, ultrastructure/ PREGNANCY/ RATS
  116. Aono T: [Hyperprolactinemia] Nippon Rinsho Suppl:1:1, May 78  
FEMALE/ HUMAN/ MALE/ \*PROLACTIN, secretion
  117. Aono T, Yasuda M, Shioji T, et al: Absence of inhibitory effect of hyperprolactinemia on ovarian response to exogenous gonadotrophin. Acta Endocrinol (Copenh) 89(1):142-5, 1978  
ADULT/ ESTRADIOL, blood/ \*ESTROGEN secretion/ FEMALE/ FSH, blood/ HUMAN/ blood/ \*MENOTROPINS, diagnostic use/ \*OVARIAN SECRETION/ \*PROLACTIN, blood/ RADIOIMMUNOASSAY
  118. Aparisi T, Arborgh B, Ericsson JL, et al: Contribution to knowledge of the fine structure of chondrosarcoma. With a note on the localization of alkaline phosphatase 'ATPase'. Acta Pathol Microbiol Scand [A] 86(2):121-3, Mar 78  
\*ADENOSINE TRIPHOSPHATASE, metabolism/ ADULT/ AGED/ \*ALKALINE PHOSPHATASE, metabolism/ BONE AND BONES, enzymology/ AND BONES, ultrastructure/ BONE NEOPLASMS, ultrastructure/ \*BONE NEOPLASMS, ultrastructure/ CASE REPORT/ CELL MEMBRANE, enzymology/ CELL MEMBRANE, ultrastructure/ CELL NUCLEUS, ultrastructure/ CHONDROSARCOMA, enzymology/ \*CHONDROSARCOMA, ultrastructure/ CYTOPLASM, ultrastructure/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE
  119. Apfelbaum M: Adaptation to changes in caloric intake. Prog Food Nutr Sci 2(11-12):543-59, 1978  
\*ADAPTATION, PHYSIOLOGICAL/ ADIPOSE TISSUE, metabolism/ BIOLOGICAL CLOCK/ \*CALORIC INTAKE/ \*DIET/ ENERGY



# AUTHOR SECTION

- METABOLISM/ EXERTION/ HOMEOSTASIS/  
HORMONES, physiology/ HUMAN/ STARVATION
120. Appell R, Tsangaris N, Spiegel J: Radioiodine treated hyperthyroidism and thyroid carcinoma. *Am Surg* 44(8):537-40, Aug 78  
ADENOCARCINOMA, PAPILLARY, etiology/  
ADENOCARCINOMA, PAPILLARY, pathology/  
CASE REPORT/ FEMALE/ HUMAN/  
HYPERTHYROIDISM, complications/  
\*HYPERTHYROIDISM, radiotherapy/  
HYPERTHYROIDISM, surgery/ \*IODINE  
RADIOISOTOPES, adverse effects/ IODINE  
RADIOISOTOPES, therapeutic use/ MIDDLE AGE/  
\*NEOPLASMS, RADIATION-INDUCED, etiology/  
\*THYROID NEOPLASMS, etiology/ THYROID  
NEOPLASMS, pathology
  121. Arakawa K, Mizoguchi H: [Low renin hypertension] *Nippon Rinsho Suppl*:2022-3, May 78 (Jpn)  
HUMAN/ \*HYPERTENSION, blood/  
HYPERTENSION, etiology/ \*RENIN, blood
  122. Arakelians AB, Bakuleva LP: Osobennosti gormonal'nogo balansa u bol'nykh miomoi matki. *Sov Med* (8):140-4, Aug 78 (Rus)  
ADULT/ FEMALE/ \*FSH, metabolism/ HUMAN/  
\*LEIOMYOMA, metabolism/ \*LH, metabolism/  
\*UTERINE NEOPLASMS, metabolism
  123. Arashima S: [Progeria syndrome and Werner's syndrome] *Nippon Rinsho Suppl*:1472-3, May 78 (Jpn)  
ADOLESCENCE/ ADULT/ HUMAN/ INFANT/  
INFANT, NEWBORN/ \*PROGERIA/ \*WERNER'S  
SYNDROME
  124. Araszkiewicz Z, Gawlik Z, Tomaszewska L: Morfometryczna ocena tkanki kostnej szczurów po podaniu hydrazidu, etionamidu i streptomycyny. *Pol Arch Med Wewn* 59(6):597-601, Jun 78 (Eng. Abstr.) (Pol)  
ANIMAL/ \*ANTITUBERCULAR AGENTS,  
pharmacodynamics/ \*BONE AND BONES, drug  
effects/ BONE AND BONES, metabolism/ CALCIUM,  
metabolism/ ENGLISH ABSTRACT/  
ETHIONAMIDE, pharmacodynamics/ ISONIAZID,  
pharmacodynamics/ MALE/ RATS/  
STREPTOMYCIN, pharmacodynamics
  125. Araszkiewicz Z, Styszewska H: Zmiany zawartości wapnia w kości szczurów pod wpływem podawania hydrazidu i rifampicyny. *Pneumonol Pol* 46(9):675-9, Sep 78 (Eng. Abstr.) (Pol)  
ANIMAL/ \*BONE AND BONES, analysis/  
\*CALCIUM, analysis/ ENGLISH ABSTRACT/  
\*HYDRAZINES, pharmacodynamics/ MALE/ RATS/  
\*RIFAMPIN, pharmacodynamics
  126. Aratan S, Czernichow P: Développement et évaluation d'une méthode par chromatographie liquid à haute pression pour la détermination du taux de dégradation de la thyroïdolibérine (TRH) par le plasma. *C R Acad Sci [D] (Paris)* 286(23):1735-8, 12 Jun 78 (Eng. Abstr.) (Fre)  
\*CHROMATOGRAPHY, HIGH SPEED LIQUID,  
methods/ ENGLISH ABSTRACT/ HUMAN/  
KINETICS/ \*THYROTROPIN RELEASING  
HORMONE, blood/ THYROTROPIN RELEASING  
HORMONE, metabolism
  127. Argenzio RA: Physiology of diarrhea—large intestine. *J Am Vet Med Assoc* 173(5 Pt 2):667-72, 1 Sep 78 (42 ref.)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ANIMAL/ BICARBONATES,  
metabolism/ BIOLOGICAL TRANSPORT/ CELL  
MEMBRANE PERMEABILITY/ COLON,  
metabolism/ COLON, physiopathology/ DIARRHEA,  
physiopathology/ \*DIARRHEA, veterinary/  
DYSENTERY, veterinary/ ESCHERICHIA COLI  
INFECTIONS, veterinary/ GASTROENTERITIS,  
TRANSMISSIBLE, OF SWINE, physiopathology/  
GASTROINTESTINAL MOTILITY/ HORSES/  
INTESTINAL ABSORPTION/ INTESTINAL  
SECRETIONS/ INTESTINE, LARGE, microbiology/  
\*INTESTINE, LARGE, physiopathology/ RABBITS/  
RATS/ REVIEW/ SALMONELLA INFECTIONS,  
ANIMAL, physiopathology/ SODIUM, metabolism/  
SWINE DISEASES, physiopathology/ WATER,  
metabolism
  128. Arievidh AM, Ostapenko NN, Kapankina LP, et al: K patogenezu perioral'nogo dermatita. *Vestn Dermatol Venerol* (9):62-6, Sep 78 (Eng. Abstr.) (Rus)
  - ADOLESCENCE/ ADRENAL CORTEX  
HORMONES, adverse effects/ ADULT/ AGED/  
DERMATITIS MEDICAMENTOSA, etiology/  
DERMATITIS, drug therapy/ DERMATITIS,  
pathology/ DRUG COMBINATIONS/ ENGLISH  
ABSTRACT/ \*FACIAL DERMATOSES, etiology/  
FEMALE/ FLUORIDES, TOPICAL, adverse effects/  
HUMAN/ MALE/ MIDDLE AGE/ OINTMENTS/  
TIME FACTORS
  129. Arimura A: In vivo methods for studying the action of hypothalamic hormones with special reference to their antisera as tools for investigation. *Curr Top Mol Endocrinol* 3:387-96, 1976 (25 ref.)  
ANIMAL/ CASTRATION/ DACTINOMYCIN,  
pharmacodynamics/ ESTRUS, drug effects/ FEMALE/  
FSH, secretion/ HYPOTHALAMUS, physiology/  
IMMUNE SERUMS, pharmacodynamics/ LH,  
secretion/ LH-FSH RELEASING HORMONE,  
antagonists & inhibitors/ \*LH-FSH RELEASING  
HORMONE, pharmacodynamics/ LH-FSH  
RELEASING HORMONE, physiology/ MALE/  
NIDATION, drug effects/ OVULATION, drug effects/  
PITUITARY GLAND, drug effects/ PREGNANCY/  
REVIEW/ SOMATOTROPIN RELEASE  
INHIBITING HORMONE, antagonists & inhibitors/  
\*SOMATOTROPIN RELEASE INHIBITING  
HORMONE, pharmacodynamics/ SOMATOTROPIN  
RELEASE INHIBITING HORMONE, physiology/  
SOMATOTROPIN, secretion
  130. Arlart IP, Rosenthal J, Wagner H, et al: Effects of saralasin on blood pressure, renin and renal blood flow in unilateral renovascular hypertension. *Contrib Nephrol* 11:170-4, 1978  
\*ANGIOTENSIN II, analogs & derivatives/  
ARTERIOSCLEROSIS, complications/ \*BLOOD  
PRESSURE, drug effects/ FEMALE/ HUMAN/  
\*HYPERTENSION, RENAL, physiopathology/  
HYPERTENSION, RENOVASCULAR,  
complications/ HYPERTENSION,  
RENOVASCULAR, enzymology/  
\*HYPERTENSION, RENOVASCULAR,  
physiopathology/ \*KIDNEY, blood supply/ MALE/  
REGIONAL BLOOD FLOW, drug effects/ RENAL  
ARTERY STENOSIS, complications/ RENAL  
ARTERY/ RENAL VEINS/ \*RENIN, blood/  
\*SARALASIN, pharmacodynamics
  131. Armstrong EG Jr, Bashirelahi N: Determination of the binding properties of estradiol-17beta within the cytoplasmic and nuclear fractions of rat ventral prostate. *J Steroid Biochem* 9(6):507-13, Jun 78  
ANIMAL/ \*CELL NUCLEUS, metabolism/  
CHLOROMERCURIBENZOATES,  
pharmacodynamics/ COMPARATIVE STUDY/  
\*CYTOSOL, metabolism/ DIETHYLSTILBESTROL,  
metabolism/ \*ESTRADIOL, metabolism/ ESTRIOL,  
metabolism/ ESTRONE, metabolism/  
ETHYLMALIMIDE, pharmacodynamics/ IN  
VITRO/ MALE/ \*PROSTATE, metabolism/ RATS/  
\*RECEPTORS, ESTROGEN, metabolism/  
TEMPERATURE
  132. Armstrong RN, Kaiser ET: Sulfhydryl group reactivity of adenosine 3',5'-monophosphate dependent protein kinase from bovine heart: a probe of holoenzyme structure. *Biochemistry* 17(14):2840-5, 11 Jul 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
pharmacodynamics/ ANIMAL/ CATTLE/  
DITHIONITROBENZOIC ACID/ KINETICS/  
MACROMOLECULAR SYSTEMS/  
\*MYOCARDIUM, enzymology/ \*PROTEIN  
KINASE/ PROTEIN KINASE, metabolism/  
SULFHYDRYL COMPOUNDS/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
  133. Arnaud CD: Calcium homeostasis: regulatory elements and their integration. *Fed Proc* 37(12):2557-60, Oct 78  
BONE AND BONES, metabolism/ \*CALCITONIN,  
physiology/ \*CALCIUM, metabolism/ FEEDBACK/  
HOMEOSTASIS/  
HYDROXYCHOLECALCIFEROLS, physiology/  
HYPERPARATHYROIDISM, metabolism/  
INTESTINES, metabolism/ KIDNEY, metabolism/  
MODELS, BIOLOGICAL/ \*PARATHYROID  
HORMONE, physiology/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
  134. Arnehorn P, Palmblad J: Drug-induced neutropenia in the Stockholm region 1973-75: frequency and causes.

# AUTHOR SECTION

- Acta Med Scand 204(4):283-6, 1978  
 \*AGRANULOCYTOSIS, chemically induced/  
 ANTIBIOTICS, adverse effects/ ANTINEOPLASTIC  
 AGENTS, adverse effects/ DIURETICS, adverse  
 effects/ \*DRUG THERAPY, adverse effects/  
 HISTAMINE H1 RECEPTOR BLOCKADERS,  
 adverse effects/ HUMAN/ INFECTION, etiology/  
 \*NEUTROPENIA, chemically induced/  
 NEUTROPENIA, occurrence/ PHENOTHIAZINES,  
 adverse effects/ SULFONAMIDES, adverse effects/  
 SWEDEN/ THYROID ANTAGONISTS, adverse  
 effects
135. Arrondo JL, Sancho MJ, Macarulla JM: Effect of acute  
 administration of triiodothyronine in chicken. Liver glycogen  
 depletion and amino acid incorporation to proteins.  
 Experientia 34(8):1099-1100, 15 Aug 78  
 ANIMAL/ \*CHICKENS, metabolism/  
 CYCLOHEXIMIDE, pharmacodynamics/  
 DACTINOMYCIN, pharmacodynamics/ KINETICS/  
 LEUCINE, metabolism/ \*LIVER GLYCOGEN,  
 metabolism/ \*PROTEINS, biosynthesis/  
 \*TRIIODOTHYRONINE, pharmacodynamics
136. Arroyo Carreras JL, Medina Enriquez J, Carrascosa Moreno  
 F, et al: Anestesia-analgesia secuencial: asociación  
 sulfentanil-buprenorfina. Rev Esp Anestesiología Reanim  
 25(2):149-57, Mar 78 (Eng. Abstr.) (Spa)  
 ADULT/ \*ANALGESIA, methods/ \*ANESTHESIA,  
 methods/ ANESTHESIA, INTRAVENOUS/ BLOOD  
 SUGAR, analysis/ BUPRENORPHINE, administration  
 & dosage/ \*BUPRENORPHINE, pharmacodynamics/  
 CREATINE, blood/ ELECTROLYTES, blood/  
 ENGLISH ABSTRACT/ \*FENTANYL, analogs &  
 derivatives/ FENTANYL, administration & dosage/  
 FENTANYL, pharmacodynamics/ \*HORMONES,  
 blood/ HUMAN/ MIDDLE AGE/ \*MORPHINANS,  
 pharmacodynamics
137. Artner J: Menstruationszyklus und Sport. Med Klin  
 73(37):1257-67, 15 Sep 78 (Ger)  
 CONTRACEPTIVES, ORAL, HORMONAL/  
 ENERGY METABOLISM/ \*MENSTRUATION/  
 \*SPORTS
138. Aryeetey ME, Piekarski G: Diaplazentärer Übergang von  
 Sarcocystis-Antikörpern bei Mensch und Ratten.  
 Z Parasitenkd 56(3):211-8, 7 Aug 78 (Eng. Abstr.) (Ger)  
 AGE FACTORS/ ANIMAL/ \*ANTIBODIES,  
 analysis/ ENGLISH ABSTRACT/ FEMALE/  
 HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/  
 \*MATERNAL-FETAL EXCHANGE/  
 \*PLACENTA, physiology/ PREGNANCY/ RATS/  
 \*SARCOSPORIDIA, immunology
139. Aschoff J: Problems of re-entrainment of circadian rhythms:  
 asymmetry effect, dissociation and partition. pp. 185-95.  
 In: Assemmacher I, Farner DS, ed. Environmental  
 endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 ANIMAL/ BIRDS/ BODY TEMPERATURE/  
 \*CIRCADIAN RHYTHM/ CORTICOSTERONE,  
 blood/ FLIGHT, ANIMAL/ LIGHT/  
 MONOGRAPH/ QUAIL/ SPECIES SPECIFICITY
140. Ascoli M, Puett D: Inhibition of the degradation of  
 receptor-bound human choriogonadotropin by  
 lysosomotropic agents, protease inhibitors, and metabolic  
 inhibitors. J Biol Chem 253(21):7832-8, 10 Nov 78  
 AMMONIUM CHLORIDE, pharmacodynamics/  
 ANIMAL/ CHLOROQUINE, pharmacodynamics/  
 \*GONADOTROPINS, CHORIONIC, metabolism/  
 GONADOTROPINS, CHORIONIC,  
 pharmacodynamics/ KINETICS/ LEYDIG CELL  
 TUMOR, metabolism/ MALE/ MICE/ PROTEASE  
 INHIBITORS, pharmacodynamics/ RECEPTORS,  
 HORMONE, drug effects/ \*RECEPTORS,  
 HORMONE, metabolism/ STEROIDS, biosynthesis/  
 TRYPSIN INHIBITORS, pharmacodynamics/  
 UNITED STATES GOV'T SUPPORTED, P.H.S.
141. Ascoli M: Demonstration of a direct effect of inhibitors of the  
 degradation of receptor-bound human choriogonadotropin  
 on the steroidogenic pathway. J Biol Chem 253(21):7839-43,  
 10 Nov 78  
 \*AMMONIUM CHLORIDE, pharmacodynamics/  
 ANIMAL/ \*CHLOROQUINE, pharmacodynamics/  
 \*CYANIDES, pharmacodynamics/ \*DEOXY  
 SUGARS, pharmacodynamics/ \*DEOXYGLUCOSE,  
 pharmacodynamics/ \*GONADOTROPINS,  
 CHORIONIC, metabolism/ KINETICS/ LEYDIG  
 CELL TUMOR, metabolism/ MALE/ MICE/
- \*PROTEASE INHIBITORS, pharmacodynamics/  
 RECEPTORS, HORMONE, drug effects/  
 \*RECEPTORS, HORMONE, metabolism/  
 \*STEROIDS, biosynthesis/ UNITED STATES GOV'T  
 SUPPORTED, P.H.S.
142. Ashburner M, Lawrence P: Drosophila genetics at Szeged  
 [news] Nature 275(5680):481-2, 12 Oct 78  
 ANIMAL/ CELL DIVISION/ CELL SURVIVAL/  
 CHROMOSOMES, metabolism/ CHROMOSOME  
 ultrastructure/ DROSOPHILA, cytology/  
 \*DROSOPHILA, genetics/ ECDYSONE,  
 pharmacodynamics/ GENES, STRUCTURAL/ S  
 DETERMINATION/ TRANSCRIPTION,  
 GENETIC, drug effects
143. Asikin J, Dibjosubroto S, Pallencaoe AH, et al: A study  
 of hypothyroidism in a school for the mentally retarded  
 Bandung. Paediatr Indones 18(5-6):141-50, May-Jun 78  
 ADOLESCENCE/ CHILD/ FEMALE/ HUMAN  
 \*HYPOTHYROIDISM, complications/ INDONESIA  
 MALE/ \*MENTAL RETARDATION, complications
144. Askew EW, Hecker AL, Coppes VG, et al: Cyclic AMP  
 metabolism in adipose tissue of exercise-trained rats.  
 J Lipid Res 19(6):729-36, Aug 78  
 \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE  
 metabolism/ ADENYL CYCLASE, metabolism/  
 \*ADIPOSE TISSUE, metabolism/ ANIMAL/ BODY  
 WEIGHT/ CELL MEMBRANE, enzymology/  
 COMPARATIVE STUDY/ \*EXERCISE, MALE  
 NOREPINEPHRINE, pharmacodynamics/ RATS  
 3',5'-CYCLIC AMP PHOSPHODIESTERASE,  
 metabolism
145. Assaf SY, Miller JJ: The role of a raphe serotonin system  
 in the control of septal unit activity and hippocampal  
 desynchronization. Neuroscience 3(6):539-50, 1978  
 P-CHLOROPHENYLALANINE, pharmacodynamics/  
 ANIMAL/ BRAIN MAPPING/ \*BRAIN STEM  
 physiology/ ELECTRIC STIMULATION/  
 ELECTROPHYSIOLOGY/ HIPPOCAMPUS, drug  
 effects/ \*HIPPOCAMPUS, physiology/ MALE/  
 NEURAL PATHWAYS, physiology/ \*RAPHE  
 NUCLEI, physiology/ RATS/ SEPTUM  
 PELLUCIDUM, drug effects/ \*SEPTUM  
 PELLUCIDUM, physiology/ \*SEROTONIN,  
 physiology
146. Assemmacher I, Farner DS: What is environmental  
 endocrinology? pp. 1-2.  
 In: Assemmacher I, Farner DS, ed. Environmental  
 endocrinology. Berlin, Springer, 1978. WK 102.3 E61  
 ADAPTATION, PHYSIOLOGICAL/ ANIMAL  
 \*ANIMALS, physiology/ \*ENVIRONMENT/  
 EVOLUTION/ \*HORMONES, physiology/  
 MONOGRAPH
147. Assemmacher I, Jallageas M: Annual endocrine cycles  
 in birds with special reference to male quail.  
 pp. 52-60.  
 In: Assemmacher I, Farner DS, ed. Environmental  
 endocrinology. Berlin, Springer, 1978. WK 102.3 E61  
 (33 ref.)  
 ANIMAL/ \*BIRDS, physiology/ \*DUCKS,  
 physiology/ \*HORMONES, physiology/ LH, blood  
 MALE/ MONOGRAPH/ \*PERIODICITY/  
 REPRODUCTION/ REVIEW/ SEASONS/ TESTOSTERONE  
 physiology/ TESTOSTERONE, blood/ THYROID  
 GLAND, physiology
148. Atiia MA, Ivanova LA: Farmakokineticheskoe izucheniye  
 glaznykh mazel gidrokortizona atsetata v sochetanii s  
 sul'fapiridazinom natriia. Farmatsiia 27(5):28-30, Sep-Oct  
 (Eng. Abstr.)  
 ANIMAL/ BIOPHARMACEUTICS/ DRUG  
 COMBINATIONS/ ENGLISH ABSTRACT/ E  
 metabolism/ \*HYDROCORTISONE, TOPICAL  
 metabolism/ KINETICS/ OINTMENTS/  
 OPHTHALMIC SOLUTIONS/ RABBITS/  
 \*SULFAMETHOXYPIRIDAZINE, metabolism/  
 TIME FACTORS
149. Atkins HL: Treatment of hyperthyroidism: use of 131I  
 125I. pp. 85-99.  
 In: Spencer RP, ed. Therapy in nuclear medicine.  
 York, Grune & Stratton, 1978. WN 450 T398 1977  
 ADULT/ HUMAN/ \*HYPERTHYROIDISM,  
 radiotherapy/ HYPOTHYROIDISM, etiology/  
 HYPOTHYROIDISM, prevention & control/ IODINE  
 RADIOISOTOPES, administration & dosage/ IODINE



# AUTHOR SECTION

- RADIOISOTOPES, adverse effects/ \*IODINE  
RADIOISOTOPES, therapeutic use/ MONOGRAPH/  
RADIOTHERAPY DOSAGE/ UNITED STATES  
GOV'T SUPPORTED
0. Atkins L, Potsaid MS: Roentgenographic identification of human remains. JAMA 240(21):2307-8, 17 Nov 78  
ADULT/ ARM, radiography/ \*BONE AND BONES, radiography/ CASE REPORT/ FOREARM, radiography/ \*FORENSIC MEDICINE/ HUMAN/ MALE/ SKULL, radiography
1. Atrat P, Deppmeyer V, Hörhold C, et al: Steroidumwandelnde Enzyme aus Mikro-organismen—VIII. Einfluss organischer Lösungsmittel unterschiedlicher Hydrophobizität auf die Bindung an der Affinitätsmatrix—Affinitätschromatographie einer 4-en-3-oxo-Steroid: (Akzeptor)—I-en-Oxidoreduktase aus *Nocardia opaca*. J Steroid Biochem 9(7):691-4, Jul 78 (Eng. Abstr.) (Ger)  
ANDROSTENEDIONE/ BINDING SITES/ CHROMATOGRAPHY, AFFINITY/ ENGLISH ABSTRACT/ KETOSTEROIDS/ KINETICS/ LIGANDS/ \*NOCARDIA, enzymology/ \*OXIDOREDUCTASES, isolation & purification/ OXIDOREDUCTASES, metabolism/ PROTEIN BINDING/ TESTOSTERONE
2. Atrat P, Deppmeyer V, Hörhold C: Steroidumwandelnde Enzyme aus Mikroorganismen—VII. Untersuchungen zur Natur der biospezifischen Bindung an der Affinitätsmatrix—Affinitätschromatographie einer 4-en-3-oxo-steroid: (Akzeptor)—I-en-oxidoreduktase aus *Nocardia opaca*. J Steroid Biochem 9(6):579-82, Jun 78 (Eng. Abstr.) (Ger)  
CHROMATOGRAPHY, AFFINITY/ DIAMINES/ ENGLISH ABSTRACT/ KETOSTEROIDS/ LIGANDS/ \*NOCARDIA, enzymology/ \*OXIDOREDUCTASES, isolation & purification/ TESTOSTERONE
3. Attia MA: A modified tetrachrome staining technique for the adenohypophysis of dogs, rats and rabbits. Arch Toxicol (Berl) 40(4):295-301, 9 Aug 78  
ANIMAL/ DOGS/ FEMALE/ \*PITUITARY GLAND, ANTERIOR, anatomy & histology/ PITUITARY GLAND, ANTERIOR, cytology/ RABBITS/ RATS/ SPECIES SPECIFICITY/ STAINS AND STAINING
4. Attie JN, Wise L, Mir R, et al: The rationale against routine subtotal parathyroidectomy for primary hyperparathyroidism. Am J Surg 136(4):437-44, Oct 78  
ADOLESCENCE/ ADULT/ AGED/ CALCIUM, blood/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, pathology/ \*HYPERPARATHYROIDISM, surgery/ MALE/ METHODS/ MIDDLE AGE/ PARATHYROID GLANDS, pathology/ \*PARATHYROID GLANDS, surgery/ PARATHYROID HORMONE, blood/ RECURRENCE
5. Au KS: An endogenous inhibitor of erythrocyte membrane (Ca<sup>2+</sup> + Mg<sup>2+</sup>)-ATPase. Int J Biochem 9(7):477-80, 1978  
\*ADENOSINE TRIPHOSPHATASE, CALCIUM, antagonists & inhibitors/ ADENYL CYCLASE, antagonists & inhibitors/ ANIMAL/ DRUG STABILITY/ ENZYME ACTIVATION/ ENZYME INHIBITORS, blood/ \*ERYTHROCYTE MEMBRANE, enzymology/ \*ERYTHROCYTES, enzymology/ HEMOLYSIS/ MAGNESIUM, pharmacodynamics/ MOLECULAR WEIGHT/ PHOSPHODIESTERASE INHIBITORS, blood/ SWINE
6. Audi L, Morera AM, Bertrand J, et al: Estrogen-like compounds and progesterone in male and female rats before puberty—II. Effects of administration of ACTH, steroidogenesis inhibitors, dexamethasone and hCG. J Steroid Biochem 9(7):631-5, Jul 78  
ADRENAL GLANDS, metabolism/ \*AMINOGLUTETHIMIDE, pharmacodynamics/ ANIMAL/ COMPARATIVE STUDY/ \*CORTICOTROPIN, pharmacodynamics/ \*CYCLOHEXIMIDE, pharmacodynamics/ \*DEXAMETHASONE, pharmacodynamics/ \*ESTRADIOL, metabolism/ \*ESTRONE, metabolism/ FEMALE/ \*GONADOTROPINS, CHORIONIC, pharmacodynamics/ MALE/ OVARY, metabolism/ \*PROGESTERONE, metabolism/ RATS/ SEX FACTORS/ \*SEX MATURATION/ TESTIS, metabolism
157. Audrain M, Beraud G, Lescoat G, et al: Influence du cycle estrien, de l'ovariectomie et de la lactation sur les variations de la corticostéronémie basale ou après agression chez la ratte. C R Soc Biol (Paris) 172(1):33-7, 1978 (Eng. Abstr.) (Fre)  
\*AGGRESSION/ ANIMAL/ \*CASTRATION/ \*CORTICOSTERONE, blood/ DIESTRUS/ ENGLISH ABSTRACT/ \*ESTRUS/ FEMALE/ \*LACTATION/ METESTRUS/ PROESTRUS/ RATS/ STRESS, blood
158. Aughey E, Orr PS: An unusual abnormality of human spermatozoa. J Reprod Fertil 53(2):341-2, Jul 78  
ADULT/ CASE REPORT/ HUMAN/ MALE/ \*SPERMATOZOA, ultrastructure/ \*STERILITY, MALE, pathology/ TESTIS, pathology
159. Augur NA Jr: Drug therapy reviews: chronic hepatitis. Am J Hosp Pharm 35(10):1222-6, Oct 78 (39 ref.)  
AZATHIOPRINE, therapeutic use/ CHRONIC DISEASE/ DRUG THERAPY, COMBINATION/ HEPATITIS B SURFACE ANTIGEN, analysis/ HEPATITIS, classification/ \*HEPATITIS, drug therapy/ HEPATITIS, etiology/ HEPATITIS, immunology/ HEPATITIS, physiopathology/ HEPATITIS, VIRAL, HUMAN, etiology/ HUMAN/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ REVIEW
160. Aumüller G, Schiller A: Fine structure of Sertoli cells in the rat testis after hypophysectomy, testosterone treatment and re-involution. Cytobiologie 17(2):453-63, Aug 78  
ANDROGENS/ ANIMAL/ BLOOD-TESTIS BARRIER/ CARRIER PROTEINS, analysis/ CYTOSOL, analysis/ EPIDIDYMIS, analysis/ HYPOPHYSECTOMY/ INTERCELLULAR JUNCTIONS, ultrastructure/ MALE/ \*PITUITARY HORMONES, physiology/ RATS/ \*SERTOLI CELLS, ultrastructure/ SPERMATOGENESIS/ \*TESTIS, cytology/ TESTIS, physiology/ \*TESTOSTERONE, pharmacodynamics
161. Aumüller G, Wagner R, Gräf KJ: Fine structure of rat prolactin cells after treatment with a long acting depot contraceptive. Acta Endocrinol (Copenh) 89(2):251-62, Oct 78  
ANIMAL/ CELL DIVISION, drug effects/ CELL NUCLEUS, ultrastructure/ CYTOPLASMIC GRANULES, ultrastructure/ DELAYED-ACTION PREPARATIONS/ DNA, metabolism/ ENDOPLASMIC RETICULUM, ultrastructure/ \*ESTRADIOL, pharmacodynamics/ FEMALE/ GOLGI APPARATUS, ultrastructure/ MAMMAE, cytology/ MAMMAE, drug effects/ MAMMAE, metabolism/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, ultrastructure/ \*NORETHINDRONE, pharmacodynamics/ \*PITUITARY GLAND, ANTERIOR, drug effects/ PITUITARY GLAND, ANTERIOR, ultrastructure/ PROGESTERONE, blood/ \*PROLACTIN/ PROLACTIN, blood/ RATS/ TIME FACTORS/ \*2-BROMOERGOCRYPTINE, pharmacodynamics
162. Aungst CW: Benign liver tumors and oral contraceptives. NY State J Med 78(12):1933-4, Oct 78  
ADULT/ CASE REPORT/ \*CONTRACEPTIVES, ORAL, adverse effects/ \*CONTRACEPTIVES, ORAL, SYNTHETIC, adverse effects/ FEMALE/ \*HEPATOMA, chemically induced/ HUMAN/ HYPERPLASIA/ \*LIVER NEOPLASMS, chemically induced/ LIVER, pathology/ MIDDLE AGE
163. Aupetit B, Aubry-Marais F, Duchier J, et al: Antialdostérone et enzymes de la surrénale. Arch Mal Coeur 71 Spec No:53-9, Jul 78 (Eng. Abstr.) (Fre)  
ADRENAL CORTEX HORMONES, biosynthesis/ \*ADRENAL GLANDS, enzymology/ ADRENAL GLANDS, metabolism/ \*ALDOSTERONE ANTAGONISTS, pharmacodynamics/ ALDOSTERONE ANTAGONISTS, therapeutic use/ ANIMAL/ CANRENONE, pharmacodynamics/ DUCKS/ ENGLISH ABSTRACT/ HUMAN/ HYDROXYLATION/ MITOCHONDRIA, enzymology/ SPIRONOLACTONE, pharmacodynamics
164. Aurell M, Delin K, Granerus G: Observations on the use and limitations of renal vein renins in hypertensive patients. Contrib Nephrol 11:146-9, 1978  
HUMAN/ \*HYPERTENSION, RENAL, enzymology/

## AUTHOR SECTION

- \*HYPERTENSION, RENOVASCULAR, enzymology/ HYPERTENSION, RENOVASCULAR, etiology/ HYPERTENSION, RENOVASCULAR, surgery/ RENAL ARTERY STENOSIS, complications/ RENAL ARTERY STENOSIS, enzymology/ RENAL VEINS/ \*RENIN, blood
165. Auriac A, Azam-Traves J, Dumas JC, et al: Recherches sur l'influence de sympathomimétiques (isoprénaline et noradrénaline) sur le métabolisme hydrique du rat. Arch Pharmacol Toxicol 4(1):31-4, Apr 78 (Fre)  
ANIMAL/ COMPARATIVE STUDY/ DIABETES INSIPIDUS, familial & genetic/ DIABETES INSIPIDUS, metabolism/ \*DIURESIS, drug effects/ \*ISOPROTERENOL, pharmacodynamics/ LIVER, metabolism/ MALE/ \*NOREPINEPHRINE, pharmacodynamics/ RATS/ WATER, metabolism
  166. Aussel C, Masseyeff R: Rat alpha-fetoprotein-estrogen interaction. J Steroid Biochem 9(6):547-51, Jun 78  
\*ALPHA FETOPROTEINS, metabolism/ ANDROGENS, pharmacodynamics/ ANIMAL/ BINDING SITES/ CHLOROMERCURIBENZOATES, pharmacodynamics/ ESTRADIOL, metabolism/ \*ESTROGENS, metabolism/ ESTRONE, metabolism/ HYDROGEN-ION CONCENTRATION/ OSMOLAR CONCENTRATION/ PROTEIN BINDING/ RATS/ THERMODYNAMICS
  167. Austin CR: Bisexuality and the problem of its social acceptance. J Med Ethics 4(3):132-7, Sep 78  
ANIMAL/ HERMAPHRODITISM/ HOMOSEXUALITY/ HUMAN/ RELIGION AND MEDICINE/ \*SEX BEHAVIOR/ SEX BEHAVIOR, ANIMAL/ SEX DIFFERENTIATION/ \*SOCIAL PERCEPTION/ TESTICULAR FEMINIZATION
  168. Aver'ianova SG: Morfofunktional'nye osobennosti platsenty na rannikh etapakh ontogeneza pri anemicheskoi gipoksii. Akush Ginekol (Mosk) (9):8-11, Sep 78 (Eng. Abstr.) (Rus)  
ADULT/ \*ANEMIA, physiopathology/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ ERYTHROPOIESIS/ FEMALE/ \*FETAL ANOXIA, physiopathology/ HEMATOPOIESIS/ HUMAN/ \*ONTOGENY/ \*PLACENTA, physiopathology/ \*PREGNANCY COMPLICATIONS, HEMATOLOGIC, physiopathology/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY
  169. Avioli LV: Controversies regarding uremia and acquired defects in vitamin D3 metabolism. Kidney Int [Suppl] (8):S36-8, Jun 78  
DIHYDROXYCHOLECALCIFEROLS, metabolism/ HUMAN/ \*HYDROXYCHOLECALCIFEROLS, metabolism/ \*KIDNEY, metabolism/ \*UREMIA, metabolism/ \*VITAMIN D, metabolism
  170. Axelrod J: Catecholamines: effects of ACTH and adrenal corticoids. Ann NY Acad Sci 297:275-83, 28 Oct 77  
\*ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ADRENALECTOMY/ ANIMAL/ \*CATECHOLAMINES, biosynthesis/ CHROMAFFIN SYSTEM, metabolism/ CORTICOTROPIN, metabolism/ \*CORTICOTROPIN, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ DOPAMINE BETA-HYDROXYLASE, metabolism/ DOPAMINE, metabolism/ \*GLUCOCORTICOIDS, pharmacodynamics/ HEART, drug effects/ HYPOPHYSECTOMY/ NOREPINEPHRINE, metabolism/ PHENETHANOLAMINE N-METHYLTRANSFERASE, metabolism/ RATS/ TYROSINE HYDROXYLASE, metabolism
  171. Axelsson O, Nilsson BA, Johansson ED: Assessment of placental function in uncomplicated and complicated late pregnancy by estimation of unconjugated oestrogens in plasma after an intravenous injection of dehydroepiandrosterone sulphate. Acta Endocrinol (Copenh) 89(2):359-71, Oct 78  
DEHYDROEPIANDROSTERONE, administration & dosage/ \*DEHYDROEPIANDROSTERONE, diagnostic use/ ESTRADIOL, blood/ ESTRADIOL, blood/ \*ESTROGENS, blood/ ESTROGENS, urine/ ESTRONE, blood/ FEMALE/ FETAL GROWTH RETARDATION, physiopathology/ HUMAN/ INJECTIONS, INTRAVENOUS/ \*PLACENTA, physiopathology/ PLACENTAL INSUFFICIENCY, diagnosis/ PRE-ECLAMPSIA, physiopathology/ PREGNANCY IN DIABETES, physiopathology/ \*PREGNANCY COMPLICATIONS, physiopathology/ PREGNANCY
  172. Ayisi K, Schütte B, Wagner M, et al: Alternveränderung DNA-Gehaltes (sowie von Gewicht und Wasserhaushalt) des Gehirnes von Mensch und Ratte, sowie DNA-Anteil von Testes und Ovarien der Ratte. Aktuel Geron 8(8):427-39, Aug 78 (Eng. Abstr.)  
ADULT/ AGED/ \*AGING/ ANIMAL/ \*BRAIN, CHEMISTRY/ BRAIN, anatomy & histology/ COMPARATIVE STUDY/ \*DNA, analysis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ ORGAN WEIGHT/ OVARY, anatomy & histology/ \*OVARY, anatomy & histology/ RATS/ RATS, INBRED STRAINS/ TESTIS, anatomy & histology/ \*TESTIS, analysis
  173. Azagra ER: Protección pulpar con pastas antibiótico-corticoide-hidroxido calcico. Rev Esp Estomatol 25(6):409-18, Nov-Dec 77  
\*CALCIUM HYDROXIDE, therapeutic use/ \*DENTAL PULP CAPPING/ HUMAN/ PREDNISOLONE, TOPICAL, therapeutic use/ TETRACYCLINES, therapeutic use
  174. Azarashvili TS, Luk'ianenko AI, Evtodienkh IuV: Vychleneniye glikoproteinov iz mitokondrii i preparatov H+-ATPazy izuchenie ikh sposobnosti induitsirovat' izbiratel'nyi Ca2+ cherez bimolekuliarnye lipidnye menbrany. Biokhimiia 43(7):1139-42, Jul 78 (Eng. Abstr.)  
ADENOSINE TRIPHOSPHATASE, isolation & purification/ \*ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT/ \*CALCIUM, metabolism/ ENGLISH ABSTRACT/ GLYCOPROTEINS, isolation & purification/ \*GLYCOPROTEINS, metabolism/ HYDROGEN/ MEMBRANES, ARTIFICIAL/ \*MITOCHONDRIA, LIVER, analysis/ RATS
  175. Azhar S, Fitzpatrick P, Menon KM: Role of ganglionic gonadotropin and cholera enterotoxin stimulated steroidogenesis in isolated rat ovarian cells. Biochem Biophys Res Commun 83(2):493-500, 28 Sep 78  
ANIMAL/ \*CHOLERA TOXIN, pharmacodynamics/ FEMALE/ \*GANGLIOSIDES, pharmacodynamics/ \*GONADOTROPINS, CHORIONIC, pharmacodynamics/ KINETICS/ OVARY, drug effects/ \*OVARY, metabolism/ \*PROGESTERONE, biosynthesis/ RATS/ UNITED STATES GOVERNMENT, SUPPORTED, P.H.S.
  176. Azzoni P, Dal Negro R, Turco P: 6-metilprednisolone (6-MPA). Un'alternativa terapeutica in oncologia. Minerva Med 69(42):2861-7, 15 Sep 78  
AGED/ \*ANTINEOPLASTIC AGENTS, therapeutic use/ BREAST NEOPLASMS, drug therapy/ CERVICAL NEOPLASMS, drug therapy/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ LEUKEMIA, MYELOCYTIC, drug therapy/ NEOPLASMS, drug therapy/ LYMPHOMA, drug therapy/ MALE/ \*METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ MULTIPLE MYELOMA, drug therapy/ \*NEOPLASMS, drug therapy/ SIGMOID NEOPLASMS, drug therapy

## B

177. Baba N, von Haam E: Tumours of the vagina, uterus, and oviduct. IARC Sci Publ (6):161-88, 1976 (11)  
ADENOCARCINOMA, pathology/ ADENOCARCINOMA, pathology/ ANIMAL/ CARCINOGENS/ CARCINOMA, EPIDERMAL, pathology/ CHORIOCARCINOMA, pathology/ COMPARATIVE STUDY/ \*FALLOPIAN TUBE, NEOPLASMS, pathology/ FEMALE/ GENITAL NEOPLASMS, FEMALE, etiology/ HEMANGIOENDOTHELIOMA, pathology/ HEMANGIOMA, pathology/ LEIOMYOMA, pathology/ NEOPLASM METASTASIS/ NEOPLASMS, EXPERIMENTAL, pathology/ NEOPLASMS, HORMONE-DEPENDENT, pathology/ PAPILLOMA, pathology/ \*PLACENTAL DISORDERS, pathology/ PRECANCEROUS CONDITIONS, pathology/ PREGNANCY/ REVIEW/ \*UTERINE NEOPLASMS, pathology/ \*VAGINAL NEOPLASMS, pathology



## AUTHOR SECTION

- Babichev VN, Samsonova VM: Soderzhanie LH-RH v raznykh otdelakh gipotalamusa i krovi kry's pri izmenenii urovnia tireoidnykh gormonov. Probl Endokrinol (Mosk) 24(5):59-63, Sep-Oct 78 (Eng. Abstr.) (Rus)  
ANIMAL/ ENGLISH ABSTRACT/ ESTRUS/ FEMALE/ \*HYPOTHALAMUS, metabolism/ LH-FSH RELEASING HORMONE, biosynthesis/ \*LH-FSH RELEASING HORMONE, metabolism/ LH-FSH RELEASING HORMONE, secretion/ RATS/ \*THYROID HORMONES, physiology/ THYROIDECTOMY/ TIME FACTORS
- Baca GM, Palmer GC: Presence of hormonally-sensitive adenylate cyclase receptors in capillary-enriched fractions from rat cerebral cortex. Blood Vessels 15(5):286-98, 1978  
\*ADENYL CYCLASE, metabolism/ ANIMAL/ \*CAPILLARIES, enzymology/ \*CEREBRAL CORTEX, blood supply/ CEREBRAL CORTEX, enzymology/ DOPAMINE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ HISTAMINE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ MALE/ NOREPINEPHRINE, pharmacodynamics/ NORSYNEPHRINE, pharmacodynamics/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ RECEPTORS, CHOLINERGIC, drug effects/ RECEPTORS, DOPAMINE, drug effects/ SEROTONIN, pharmacodynamics/ SODIUM FLUORIDE, pharmacodynamics/ SYMPATHOLYTICS, pharmacodynamics/ \*SYNAPTIC RECEPTORS/ SYNAPTIC RECEPTORS, drug effects
- Bach G, Geiger B: Human placental N-acetyl-beta-D-hexosaminidase isozymes. Activity toward native hyaluronic acid. Arch Biochem Biophys 189(1):37-43, Jul 78  
CATALYSIS/ COMPARATIVE STUDY/ FEMALE/ \*HEXOSAMINIDASES/ HUMAN/ \*HYALURONIC ACID/ HYDROGEN-ION CONCENTRATION/ \*ISOENZYMES/ \*PLACENTA, enzymology/ PREGNANCY
- Bach JF: The mode of action of immunosuppressive agents. Front Biol 41:1-374, 1975  
ALKYLATING AGENTS, metabolism/ ALKYLATING AGENTS, pharmacodynamics/ ANIMAL/ ANTI-INFLAMMATORY AGENTS/ ANTILYMPHOCYTE SERUM, pharmacodynamics/ AZATHIOPRINE, metabolism/ AZATHIOPRINE, pharmacodynamics/ CELL SURVIVAL, drug effects/ CYCLOPHOSPHAMIDE, pharmacodynamics/ GLUCOCORTICOIDS, metabolism/ GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ IMMUNITY, drug effects/ IMMUNITY, CELLULAR, drug effects/ IMMUNOLOGIC DISEASES, drug therapy/ IMMUNOSUPPRESSIVE AGENTS, administration & dosage/ \*IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ IN VITRO/ MERCAPTOPYRINE, metabolism/ MERCAPTOPYRINE, pharmacodynamics/ METABOLISM, drug effects/ THIOGUANINE, pharmacodynamics
- Back DJ, Bates MW, Breckenridge AM, et al: Ethynylestradiol and norethindrone metabolism by everted sacs of rat ileum. Contraception 18(2):127-35, Aug 78  
ANIMAL/ BUFFERS/ CHROMATOGRAPHY, THIN LAYER/ \*ESTRADIOL, metabolism/ FEMALE/ \*ILEUM, metabolism/ \*NORETHINDRONE, metabolism/ RATS
- Back DJ, Breckenridge AM: Drug interactions with oral contraceptives. IPPF Med Bull 12(4):1-2, Aug 78  
ANTIBIOTICS, pharmacodynamics/ ANTICOAGULANTS/ ANTICONVULSANTS, pharmacodynamics/ ANTIHYPERTENSIVE AGENTS/ ANTITUBERCULAR AGENTS, pharmacodynamics/ \*CONTRACEPTIVES, ORAL, pharmacodynamics/ DRUG INTERACTIONS/ FEMALE/ HUMAN/ HYPOGLYCEMIC AGENTS
- Badawy S, Abdul-Karim R: Effect of oestrogen on fetal survival in the rabbit. J Reprod Fertil 53(2):237-9, Jul 78  
ANIMAL/ CORPUS LUTEUM, drug effects/ \*ESTRADIOL, pharmacodynamics/ FEMALE/ \*FETAL VIABILITY, drug effects/ ORGAN WEIGHT, drug effects/ PREGNANCY/ PROGESTERONE, blood/ RABBITS
185. Baekgaard W, Nyborg H, Nielsen J: Neuroticism and extraversion in Turner's syndrome. J Abnorm Psychol 87(5):583-6, Oct 78  
ADOLESCENCE/ ADULT/ \*EXTRAVERSION (PSYCHOLOGY)/ FEMALE/ HUMAN/ \*NEUROSES, psychology/ \*PERSONALITY INVENTORY/ \*TURNER'S SYNDROME, psychology
186. Bagrov IaIu, Manusova NB: Vlianie atsetilkholina na vyzvannyi pituitrinom osmoticheskii tok vody cherez stenku mochevogo puzyria liagushki. Biull Eksp Biol Med 86(9):321-4, Sep 78 (Eng. Abstr.) (Rus)  
\*ACETYLCHOLINE, pharmacodynamics/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, antagonists & inhibitors/ ANIMAL/ \*BLADDER, drug effects/ BLADDER, metabolism/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FROGS/ PARASYMPATHOMIMETICS, pharmacodynamics/ \*PITUITARY HORMONES, POSTERIOR, antagonists & inhibitors/ \*PITUITRIN, antagonists & inhibitors/ THEOPHYLLINE, antagonists & inhibitors/ \*WATER, metabolism
187. Baillie TA, Anderson RA, Axelson M, et al: Pathways of steroid metabolism in vivo studied by deuterium labelling techniques. pp. 177-88.  
In: Baillie TA, ed. Stable isotopes. Baltimore, Univ Park Press, 1978. QV 20.5 I61s 1978.  
CHROMATOGRAPHY, GAS, methods/ DEUTERIUM/ FEMALE/ HUMAN/ \*ISOTOPE LABELING, methods/ MONOGRAPH/ \*PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ \*PREGNANES, blood/ SPECTRUM ANALYSIS, MASS, methods
188. Bailly A, Savouret JF, Sallais N, et al: Factors modifying equilibrium between activated and non-activated forms of steroid-receptor complexes. Eur J Biochem 88(2):623-32, 1 Aug 78  
ADRENALECTOMY/ ANIMAL/ \*CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ CYTOSOL, physiology/ DEXAMETHASONE, metabolism/ HYDROGEN-ION CONCENTRATION/ KINETICS/ MALE/ OSMOLAR CONCENTRATION/ RATS/ \*RECEPTORS, GLUCOCORTICOID, metabolism/ \*RECEPTORS, STEROID, metabolism/ TEMPERATURE/ TRIAMCINOLONE ACETONIDE, metabolism
189. Bain J, Walfish PG: The assessment of thyroid function and structure. Otolaryngol Clin North Am 11(2):419-43, Jun 78 (27 ref.)  
BIOPSY, NEEDLE/ CARRIER PROTEINS/ GOITER, diagnosis/ GOITER, pathology/ GOITER, radionuclide imaging/ GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ HYPERTHYROIDISM, physiopathology/ HYPOTHYROIDISM, physiopathology/ PAIN, etiology/ REVIEW/ \*THYROID DISEASES, physiopathology/ THYROID FUNCTION TESTS/ THYROID GLAND, pathology/ \*THYROID GLAND, physiopathology/ THYROID GLAND, radionuclide imaging/ THYROID NEOPLASMS, diagnosis/ THYROIDITIS, diagnosis/ THYROTROPIN RELEASING HORMONE, physiology/ THYROTROPIN, physiology/ THYROXINE, blood/ TRIIODOTHYRONINE, blood/ ULTRASONICS, diagnostic use
190. Baird SG, Thomson JE, Thomson JA, et al: Discrepancies in thyroxine measurement in pregnancy between radioimmunoassay and competitive protein binding (Oxford StaT4). Ann Clin Biochem 15(4):208-12, Jul 78  
COMPARATIVE STUDY/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ \*PREGNANCY/ RADIOIMMUNOASSAY, methods/ RADIOLIGAND ASSAY/ REAGENT KITS, DIAGNOSTIC/ \*THYROXINE, blood
191. Baisset A, Montastruc P: L'hypertension par défreination chez le chien surrénalectomisé, hypophysectomisé, thyroïdectomisé, splanchnicectomisé ou atteint de diabète insipide. C R Soc Biol (Paris) 172(1):196-9, 1978 (Eng. Abstr.) (Fre)  
ADRENALECTOMY/ ANIMAL/ \*DENERVATION/ \*DIABETES INSIPIDUS, physiopathology/ DOGS/ ENGLISH ABSTRACT/ \*HYPERTENSION, physiopathology/

## AUTHOR SECTION

- HYPOPHYSECTOMY/ PARATHYROID GLANDS, physiology/ \*PERIPHERAL NERVES, physiopathology/ SPLANCHNIC NERVES, physiology/ THYROIDECTOMY
192. Bajaj P: Clinical uses of prostaglandins in human reproduction. *Nurs J India* 69(9):197-9, Sep 78  
 \*ABORTION, INDUCED/ FEMALE/  
 \*HEMORRHAGE, POSTPARTUM, drug therapy/  
 HUMAN/ \*LABOR, INDUCED/  
 \*MENSTRUATION DISORDERS, drug therapy/  
 PREGNANCY/ \*PROSTAGLANDINS, therapeutic use
  193. Bajorek JG, Chesarek W, Felmer M, et al: Effects of met5-enkephalin and naloxone on spontaneous seizures in the Mongolian gerbil. *Proc West Pharmacol Soc* 21:365-70, 1978  
 ANIMAL/ BEHAVIOR, ANIMAL, drug effects/  
 ELECTROENCEPHALOGRAPHY/  
 \*ENDORPHINS, pharmacodynamics/  
 \*ENKEPHALINS, pharmacodynamics/ FEMALE/  
 GERBILS/ MALE/ \*NALOXONE, pharmacodynamics/  
 \*SEIZURES, physiopathology/  
 UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  194. Baker BL, Gross DS: Cytology and distribution of secretory cell types in the mouse hypophysis as demonstrated with immunocytochemistry. *Am J Anat* 153(2):193-215, Oct 78  
 ANIMAL/ FEMALE/ IMMUNE SERUMS/  
 \*IMMUNOENZYME TECHNIQUES/ IMMUNOLOGIC TECHNIQUES/ MALE/ MICE/ \*PITUITARY GLAND, cytology/ PITUITARY GLAND, secretion/  
 PITUITARY HORMONES, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  195. Baker JR, Bennett HP, Hudson AM, et al: On the metabolism of two adrenocorticotrophin analogues. *Clin Endocrinol (Oxf)* 5 Suppl:61S-72S, 1976  
 ANIMAL/ AUTORADIOGRAPHY, methods/  
 CHROMATOGRAPHY, ION EXCHANGE/  
 \*CORTICOTROPIN, analogs & derivatives/  
 CORTICOTROPIN, blood/ CORTICOTROPIN, metabolism/ \*COSYNTROPIN, metabolism/ KIDNEY, metabolism/ MALE/ RATS/ TISSUE DISTRIBUTION/ TISSUE EXTRACTS
  196. Baker PF: The regulation of intracellular calcium in giant axons of *Loligo* and *Myxicola*. *Ann NY Acad Sci* 307:250-68, 28 Apr 78 (50 ref.)  
 ADENOSINE TRIPHOSPHATE, pharmacodynamics/  
 AEQUORIN/ ANIMAL/ \*AXONS, metabolism/  
 BINDING SITES/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ \*CALCIUM, metabolism/  
 CALCIUM, pharmacodynamics/ CELL MEMBRANE, metabolism/ DIALYSIS/ ELECTRIC STIMULATION/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ KINETICS/ LIGHT/ MEMBRANE POTENTIALS/ MODELS, BIOLOGICAL/ PHOSPHATES, pharmacodynamics/  
 POLYCHAETA/ REVIEW/ SODIUM, pharmacodynamics/ SQUID/ SUBCELLULAR FRACTIONS, metabolism
  197. Baker SJ, Common RH: Steroid estrogen conjugates in hens' urine II. Identifications of some minor conversion products of intramuscularly injected [4-(14C)]estrone. *Steroids* 32(1):95-107, Jul-Aug 78  
 ANIMAL/ BIOTRANSFORMATION/ CHICKENS/  
 CHROMATOGRAPHY, ION EXCHANGE/  
 ESTRONE, administration & dosage/ \*ESTRONE, urine/ FEMALE/ INJECTIONS, INTRAMUSCULAR
  198. Bakken AH, McClanahan M: Patterns of RNA synthesis in early meiotic prophase oocytes from fetal mouse ovaries. *Chromosoma* 67(1):21-40, 23 Jun 78  
 ANIMAL/ CELL NUCLEOLUS, ultrastructure/  
 CELL NUCLEUS, ultrastructure/ CHROMATIN, ultrastructure/ CHROMOSOMES, metabolism/  
 FEMALE/ \*MEIOSIS/ MICE/ \*OOCYTES, metabolism/ \*OOGENESIS/ OVARY, embryology/  
 \*OVUM, metabolism/ \*RNA, biosynthesis/ UNITED STATES GOV'T SUPPORTED
  199. Baklavadzian OG: Neironnye mekhanizmy gipotalamicheskogo kontrolia aktivnosti simpatscheskoi nervnoi sistemy. *Fiziol Zh* 24(5):602-8, Sep-Oct 78 (Eng. Abstr.)  
 ANIMAL/ BRAIN MAPPING/ CATS/ ENGLISH
  - ABSTRACT/ \*HYPOTHALAMUS, physiology/  
 \*SYMPATHETIC NERVOUS SYSTEM, physiology
  200. Baklavadzian OG, Adamyan FA, Avetisyan EA: Spontaneous and evoked hypothalamic unit activity in kittens during development. *Neurosci Behav Physiol* 8(1):33-9, Jan 77  
 ANIMAL/ ANIMALS, NEWBORN, physiology/  
 BRAIN MAPPING/ CATS/ CEREBRAL CORTICOTROPIN, physiology/ ELECTROPHYSIOLOGY/ EVOKED POTENTIALS/ \*HYPOTHALAMUS, growth & development/ HYPOTHALAMUS, physiology/  
 ONTOGENY/ REACTION TIME/ \*SENSATION, physiology
  201. Baksi SN, Kenny AD, Galli-Gallardo SM, et al: Vitamin D metabolism in bullfrogs and Japanese quail: effects of estradiol and prolactin. *Gen Comp Endocrinol* 35(3):77-81, Jul 78  
 ANIMAL/ CALCIUM, blood/ \*COTURNIX, metabolism/ DOSE-RESPONSE RELATIONSHIP/ DRUG/ \*ESTRADIOL, pharmacodynamics/  
 FEMALE/ FROGS/  
 HYDROXYCHOLECALCIFEROLS, metabolism/  
 KIDNEY, metabolism/ MALE/ \*PROLACTIN, pharmacodynamics/ \*QUAIL, metabolism/  
 \*RABBIT, metabolism/ CATESBEIANA, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*VITAMIN D, metabolism
  202. Baksi SN, Kenny AD: Effect of lead ingestion on vitamin D metabolism in Japanese quail. *Res Commun Chem Pathol Pharmacol* 21(2):375-8, 1978  
 ANIMAL/ \*CHOLECALCIFEROLS, metabolism/  
 COTURNIX/ FEMALE/ HYDROXYLATION/  
 KIDNEY, metabolism/ \*LEAD, pharmacodynamics/  
 UNITED STATES GOV'T SUPPORTED, P.H.S.
  203. Balachandran S, Sayle BA: Discordant thyroid nodules with pertechnetate at 30 minutes and 3 hours. *Clin Nucl Med* 3(8):340, Aug 78  
 CASE REPORT/ FEMALE/ HUMAN/ MIBI/ AGE/ \*TECHNETIUM, diagnostic use/ \*THYROID GLAND, radionuclide imaging/ TIME FACTORS
  204. Baldwin KM, Hooker AM, Campbell PJ, et al: Enzyme activity in neonatal skeletal muscle: effect of thyroid deficiency. *Am J Physiol* 235(3):C97-102, Sep 78  
 \*ADENOSINE TRIPHOSPHATASE, metabolism/  
 AGING/ ANIMAL/ \*ANIMALS, NEWBORN, physiology/  
 CITRATE SYNTHASE, metabolism/  
 CYTOCHROME C, metabolism/ FEMALE/ \*MUSCLES, enzymology/  
 PHOSPHOFRUCTOKINASE, metabolism/  
 PREGNANCY/ PROPYLTHIOURACIL, administration & dosage/ RATS/ THYROID GLAND, drug effects/ \*THYROID GLAND, physiology/ THYROID GLAND, pharmacodynamics
  205. Ball PJ: The relationship of age and stage of gestation to the incidence of embryo death in dairy cattle. *Res Vet Med* 25(1):120-2, Jul 78  
 \*AGE FACTORS/ ANIMAL/ \*CATTLE, diseases, occurrence/ CATTLE/ FEMALE/ FETAL DEATH, occurrence/ \*FETAL DEATH, occurrence/ \*GESTATIONAL AGE/ INSEMINATION, ARTIFICIAL, veterinary analysis/ PREGNANCY/ PROGESTERONE
  206. Ballard KW: Functional characteristics of the microvasculature in white adipose tissue. *Microvasc Res* 16(1):1-18, Jan 78  
 \*ADIPOSE TISSUE, blood supply/ ADIPOGENESIS, physiology/ ADIPOSE TISSUE, embryology/ ADIPOSE TISSUE, embryology/ ANIMAL/ CAPILLARY PERMEABILITY/ HORMONES, pharmacodynamics/ LIPID MOBILIZATION, drug effects/  
 MICROCIRCULATION, drug effects/  
 MICROCIRCULATION, innervation/ REGULATION OF BLOOD FLOW/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  207. Ballard PL, Gluckman PD, Brehier A, et al: Failure of surfactant production in fetal sheep and rabbits: an effect of prolactin on pulmonary surfactant and steroid levels. *J Clin Invest* 62(2):200-10, Oct 78  
 \*ADRENAL CORTIX HORMONES, blood/ ANIMAL/ FEMALE/ GESTATIONAL AGE/ LUNG, embryology/ PREGNANCY/ \*PROLACTIN, pharmacodynamics/ \*PULMONARY SURFACTANT, biosynthesis/ RABBITS/ SHEEP/ UNITED STATES GOV'T SUPPORTED, P.H.S.



# AUTHOR SECTION

GOV'T SUPPORTED, P.H.S.

Balter S, Sones FM Jr, Brancato R: Radiation exposure to the operator performing cardiac angiography with U-arm systems. *Circulation* 58(5):925-32, Nov 78

\*ANGIOGRAPHY, adverse effects/  
ANGIOGRAPHY, instrumentation/ \*CORONARY  
VESSELS, radiography/ EYE, radiation effects/  
HAND, radiation effects/ HUMAN/ LEG, radiation  
effects/ MAXIMUM PERMISSIBLE EXPOSURE  
LEVEL/ RADIATION DOSAGE/ RADIATION  
PROTECTION, instrumentation/ \*RADIATION  
PROTECTION, methods/ RADIATION  
PROTECTION, standards/  
THERMOLUMINESCENT DOSIMETRY/  
THYROID GLAND, radiation effects/ TIME  
FACTORS

Bandler R, Fatouris D: Centrally elicited attack behavior in cats: post-stimulus excitability and midbrain-hypothalamic inter-relationships. *Brain Res* 153(2):427-33, 22 Sep 78

\*AGGRESSION, physiology/ ANIMAL/ CATS/  
ELECTRIC STIMULATION/ \*HYPOTHALAMUS,  
physiology/ MEDIAN FOREBRAIN BUNDLE,  
physiology/ NEURONS, physiology/ REACTION  
TIME, physiology/ \*TEGMENTUM  
MESENCEPHALI, physiology

Bangham DR, Robertson I, Robertson JI, et al: An international collaborative study of renin assay: establishment of the international reference preparation of human renin.

*Clin Sci Mol Med* 48 Suppl 2:135a-159s, Jun 78  
ANGIOTENSIN I, blood/ ANGIOTENSIN II, blood/  
ANGIOTENSINOGEN, blood/ \*ANGIOTENSINS,  
blood/ BIOLOGICAL ASSAY/ COMPARATIVE  
STUDY/ HUMAN/ HYDROGEN-ION  
CONCENTRATION/ NORMAL VALUES/  
RADIOIMMUNOASSAY/ \*RENIN, blood/ RENIN,  
standards

Banicevic M, Joksimovic I, Nedeljkovic V, et al:

Beckwith-Wiedemann-ov sindrom. *Srp Arh Celok Lek* 105(12):1095-1102, Dec 77 (Eng. Abstr.) (Sec)

CASE REPORT/ ENGLISH ABSTRACT/  
FEMALE/ \*GIGANTISM/ HUMAN/ INFANT/  
INFANT, NEWBORN/ \*MACROGLOSSIA/  
MALE/ \*RESPIRATORY INSUFFICIENCY/  
SYNDROME

Bank N, Lief PD, Piczon O: Use of diuretics in treatment of hypertension secondary to renal disease. *Arch Intern Med* 138(10):1524-9, Oct 78

ADULT/ ALDOSTERONE, urine/  
ANTIHYPERTENSIVE AGENTS, therapeutic use/  
CREATININE, blood/ FEMALE/ \*FUROSEMIDE,  
therapeutic use/ HUMAN/  
\*HYDROCHLOROTHAZIDE, therapeutic use/  
\*HYPERTENSION, drug therapy/ HYPERTENSION,  
etiology/ \*KIDNEY FAILURE, CHRONIC,  
complications/ MALE/ MIDDLE AGE/  
POTASSIUM, blood/ RENIN, blood/ SODIUM, urine/  
URIC ACID, blood

Bánki CM: Szerotoninkoncentráció és monoaminooxidáz aktivitás endogén pszichotikus betegek vérében *Orv Hetil* 119(37):2245-8, 10 Sep 78 (Hun)

CHRONIC DISEASE/ FEMALE/ HUMAN/  
MONOAMINE OXIDASE, blood/ \*PSYCHOSES,  
MANIC-DEPRESSIVE, blood/ \*SCHIZOPHRENIA,  
blood/ SEROTONIN, blood

Banki CM, Vojnik M: Differential changes of blood and urinary indoleamines following intravenous ethanol administration in alcoholic and non-drinker women. *J Neural Transm* 43(1):19-25, 1978

ADULT/ \*ALCOHOL, ETHYL, pharmacodynamics/  
ALCOHOLISM, blood/ \*ALCOHOLISM, metabolism/  
ALCOHOLISM, urine/ FEMALE/ HUMAN/  
HYDROXYINDOLEACETIC ACID, blood/  
\*HYDROXYINDOLEACETIC ACID, metabolism/  
HYDROXYINDOLEACETIC ACID, urine/  
HYDROXYTRYPTOPHOL, blood/  
\*HYDROXYTRYPTOPHOL, metabolism/  
HYDROXYTRYPTOPHOL, urine/ \*INDOLES,  
metabolism/ MIDDLE AGE/ SEROTONIN, blood/  
\*SEROTONIN, metabolism/ SEROTONIN, urine

Bannikov GA, Tchipyseva TA: Ligandin in steroidogenically active cells of rat gonads. *Br J Cancer* 38(2):350-4, Aug 78

ANIMAL/ FEMALE/ FLUORESCENT ANTIBODY  
TECHNIC/ \*GLUTATHIONE TRANSFERASES,

analysis/ MALE/ \*OVARY, enzymology/  
PREGNANCY/ RATS/ \*TESTIS, enzymology

216. Bannò S, Doldi SB: La regolazione ormonale della attività duodeno-pancreatica. *Arch De Vecchi Anat Patol* 135(3):317-26, Jul-Sep 78 (Eng. Abstr.) (Ita)

ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ADENOSINE  
CYCLIC-3',5'-MONOPHOSPHATE, physiology/  
CHOLECYSTOKININ, physiology/ \*DUODENUM,  
physiology/ ENGLISH ABSTRACT/ GASTRINS,  
physiology/ \*GASTROINTESTINAL HORMONES,  
physiology/ HUMAN/ \*PANCREAS, physiology/  
\*PANCREATIC HORMONES, physiology/  
PROTAGLANDINS, physiology/ SECRETIN,  
physiology

217. Báños C, Takó J, Földes J, et al: Pajzsmirigyhormonok képződése és perifériás átalakulása subacute thyroiditisben. *Orv Hetil* 119(41):2495-8, 8 Oct 78 (Hun)

ACUTE DISEASE/ HUMAN/ \*THYROID  
HORMONES, biosynthesis/ THYROID HORMONES,  
metabolism/ \*THYROIDITIS, metabolism/  
THYROTROPIN RELEASING HORMONE,  
diagnostic use/ THYROXINE BINDING PROTEIN,  
metabolism

218. Barabanov VM, Nikolova-Kitova DB: Tkanepetsificheski antigen kaudal'noi doli adenogipofiza kur. *Biull Eksp Biol Med* 86(8):209-11, Aug 78 (Eng. Abstr.) (Rus)

AGE FACTORS/ ANIMAL/ ANTIGENIC  
DETERMINANTS/ \*ANTIGENS/ ANTIGENS,  
analysis/ CHICK EMBRYO/ \*CHICKENS,  
immunology/ COMPARATIVE STUDY/ ENGLISH  
ABSTRACT/ FLUORESCENT ANTIBODY  
TECHNIC/ GEL DIFFUSION TESTS/  
IMMUNOELECTROPHORESIS/ ORGAN  
SPECIFICITY/ \*PITUITARY GLAND, ANTERIOR,  
immunology

219. Barale F, Boillot A, Neidhardt A, et al: Phéochromocytome et réanimation d'urgence. A propos de deux cas de phéochromocytomes révélés par une insuffisance circulatoire aiguë et un oedème pulmonaire et accompagnés d'une hypoglycémie. *Anesth Analg (Paris)* 35(2):233-40, Mar-Apr 78 (Fre)

\*ADRENAL GLAND NEOPLASMS, complications/  
ADRENAL GLAND NEOPLASMS, pathology/  
ADULT/ AUTOPSY/ CASE REPORT/ FEMALE/  
HEART ARREST/ HUMAN/ \*HYPOGLYCEMIA,  
etiology/ MIDDLE AGE/  
\*PHEOCHROMOCYTOMA, complications/  
PHEOCHROMOCYTOMA, pathology/  
\*PULMONARY EDEMA, etiology/  
RESUSCITATION/ \*SHOCK, etiology

220. Barale F, Schwager JC, Dumont C, et al: Hyperthyroïdies : bilan de cinq années. *Anesth Analg (Paris)* 35(2):351-6, Mar-Apr 78 (Fre)

ADULT/ AGED/ ANESTHESIA/ CASE REPORT/  
FEMALE/ FRANCE/ \*GOITER,  
EXOPHTHALMIC, surgery/ \*GOITER, NODULAR,  
surgery/ HUMAN/ \*HYPERTHYROIDISM, surgery/  
MALE/ MIDDLE AGE/ POSTOPERATIVE CARE/  
POSTOPERATIVE COMPLICATIONS, occurrence/  
RETROSPECTIVE STUDIES

221. Baranowska B, Stopińska-Gluszak U, Niewiadomska A: Wyniki leczenia hirsutyizmu octanem cyproteronu. *Pol Tyg Lek* 33(30):1181-4, 24 Jul 78 (Eng. Abstr.) (Pol)

ADULT/ \*CYPROTERONE, therapeutic use/  
ENGLISH ABSTRACT/ FEMALE/ \*HIRSUTISM,  
drug therapy/ HUMAN/ MIDDLE AGE

222. Barańska H, Iwańska J, Konieczna M: Lipoproteidy surowicy krwi w niedoczynności tarczycy. *Pol Tyg Lek* 33(30):1169-72, 24 Jul 78 (Eng. Abstr.) (Pol)

ADULT/ ENGLISH ABSTRACT/ FEMALE/  
HUMAN/ HYPERCHOLESTEREMIA, blood/  
\*HYPOTHYROIDISM, blood/ \*LIPOPROTEINS,  
blood/ MIDDLE AGE/ THYROTROPIN, blood

223. Barastegui CA, Ruano-Gil D: Estudio ultramicroscópico de la mucosa del tercio inferior del ureter. *Arch Esp Urol* 31(2):107-16, Mar-Apr 78 (Eng. Abstr.) (Spa)

ANIMAL/ CHROMAFFIN GRANULES,  
ultrastructure/ ENGLISH ABSTRACT/  
EPITHELIUM, cytology/ MALE/ MICROSCOPY,  
ELECTRON/ NERVE ENDINGS, cytology/ RATS/  
URETER, innervation/ \*URETER, ultrastructure

# AUTHOR SECTION

224. Barber SG, Smith JA, Hughes RC: Melatonin as a tumour marker in a patient with pineal tumour. *Br Med J* 2(6133):328, 29 Jul 78  
ADULT/ \*BRAIN NEOPLASMS, diagnosis/ CASE REPORT/ HUMAN/ MALE/ \*MELATONIN, blood/ METHODS/ \*PINEALOMA, diagnosis
225. Barbina V, Padovani R, Toniutti L, et al: An automated method for evaluation of the thyroid uptake of <sup>99m</sup>Tc-pertechnetate. *Ric Clin Lab* 8(1-2):89-99, Jan-Jun 78  
COMPUTERS/ HUMAN/ \*RADIONUCLIDE IMAGING, methods/ SCINTILLATION COUNTING, methods/ \*TECHNETIUM, metabolism/ \*THYROID GLAND, metabolism/ THYROID GLAND, radionuclide imaging
226. Bard JB: A quantitative model of liver regeneration in the rat. *J Theor Biol* 73(3):509-30, 8 Aug 78  
ANIMAL/ GROWTH INHIBITORS/ HEPATECTOMY/ HOMEOSTASIS/ HORMONES, physiology/ \*LIVER REGENERATION/ LIVER, anatomy & histology/ MITOSIS/ \*MODELS, BIOLOGICAL/ RATS
227. Barghini G: Su alcuni aspetti della dinamica dello sviluppo puberale. *Minerva Pediatr* 30(20):1567-9, 30 Oct 78 (Eng. Abstr.) (Ita)  
ADOLESCENCE/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ MALE/ \*PUBERTY/ \*SEX MATURATION/ \*TESTIS, growth & development
228. Baritussio A, Enzi G, Rigon G, et al: Effect of anorexiants drugs on growth hormone secretion in obese children. *Pharmacol Res Commun* 10(6):529-40, Jun 78  
ADOLESCENCE/ ANTHROPOMETRY/ \*APPETITE DEPRESSANTS, pharmacodynamics/ ARGinine, pharmacodynamics/ CHILD/ DIET/ FEMALE/ FENFLURAMINE, pharmacodynamics/ FENFLURAMINE, therapeutic use/ GLUCOSE TOLERANCE TEST/ HUMAN/ INSULIN, secretion/ MALE/ MAZINDOL, pharmacodynamics/ MAZINDOL, therapeutic use/ \*OBESITY, blood/ OBESITY, drug therapy/ \*SOMATOTROPIN, blood
229. Barkai U, Shaham Y, Kraicer PF: Inhibition of induction of deciduoma by acute administration of antibody to progesterone. *Life Sci* 23(7):679-81, 21 Aug 78  
ANIMAL/ DECIDUA, drug effects/ DECIDUA, enzymology/ \*DECIDUA, growth & development/ FEMALE/ HISTAMINE H1 RECEPTOR BLOCKADERS, pharmacodynamics/ IMMUNE SERUMS, pharmacodynamics/ ORNITHINE DECARBOXYLASE, biosynthesis/ PHENOTHIAZINES, pharmacodynamics/ PREGNANCY/ PROGESTERONE, immunology/ \*PROGESTERONE, physiology/ RATS
230. Barker H, Isles TE: Actions of cyclic AMP, its butyryl derivatives and Na butyrate on the HCG output of malignant trophoblast cells in vitro. *Br J Cancer* 38(1):158-62, Jul 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ \*BUTYRATES, pharmacodynamics/ CELL DIVISION, drug effects/ CELL LINE/ CELLS, CULTURED/ \*CHORIOCARCINOMA, metabolism/ \*DIBUTYRYL CYCLIC AMP, pharmacodynamics/ \*GONADOTROPINS, CHORIONIC, biosynthesis/ NEOPLASMS, EXPERIMENTAL, metabolism/ TROPHOBLAST, cytology/ TROPHOBLAST, drug effects/ \*TROPHOBLAST, metabolism/ \*UTERINE NEOPLASMS, metabolism
231. Barker JL, Smith TG Jr, Neale JH: Multiple membrane actions of enkephalin revealed using cultured spinal neurons. *Brain Res* 154(1):153-8, 6 Oct 78  
ANIMAL/ CELLS, CULTURED/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRIC STIMULATION/ \*ENDORPHINS, pharmacodynamics/ \*ENKEPHALINS, pharmacodynamics/ EVOKED POTENTIALS, drug effects/ GLUTAMATES, pharmacodynamics/ GLYCINE, pharmacodynamics/ GABA, pharmacodynamics/ MEMBRANE POTENTIALS, drug effects/ MICE/ NEURAL INHIBITION, drug effects/ \*SPINAL CORD, cytology
232. Barletta MA, Lehr D, Guideri G: Hemodynamic alterations in isoproterenol-induced cardiac arrhythmias in corticoid-treated rats. *J Pharm Sci* 67(10):1390-4, Oct 78  
\*ADRENAL CORTEX HORMONES, pharmacodynamics/ ALBUTEROL, pharmacodynamics/ ANIMAL/ ARRHYTHMIA, chemically induced/ \*ARRHYTHMIA, physiopathology/ BLOOD PRESSURE, drug effects/ DESOXYCORTICOSTERONE, pharmacodynamics/ DRUG INTERACTIONS/ ELECTROCARDIOGRAPHY/ EPINEPHRINE, pharmacodynamics/ HEART RATE, drug effects/ \*HEMODYNAMICS, drug effects/ \*ISOPROTERENOL, pharmacodynamics/ MALE/ PHENYLEPHRINE, pharmacodynamics/ RATS
233. Barlow JF: Prolactin. *SD J Med* 31(10):34, Oct 78  
HUMAN/ \*PROLACTIN/ PROLACTIN, secretion
234. Barmania A: An unusual side-effect of the pill [letter]. *S Afr Med J* 54(5):181, 29 Jul 78  
ADULT/ CASE REPORT/ \*CONTRACEPTIVE ORAL, adverse effects/ DISLOCATIONS/ FEMUR, fracture/ \*MANDIBULAR CONDYLE, injury/ \*MANDIBULAR INJURIES, etiology
235. Barnea A, Neaves WB, Cho G, et al: Demonstration of temperature-dependent association of thyrotropin releasing hormone, alpha-melanocyte stimulating hormone, and luteinizing hormone releasing hormone with subunit particles in hypothalamic synaptosomes. *J Neurochem* 31(5):1125-34, Nov 78  
ANIMAL/ \*HYPOTHALAMUS, analysis/ HYPOTHALAMUS, ultrastructure/ \*LH-FSH RELEASING HORMONE, analysis/ MALE/ analysis/ \*SUBCELLULAR FRACTIONS, analysis/ \*SYNAPTOSOMES, analysis/ \*THYROTROPIN RELEASING HORMONE, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
236. Barnes RJ, Comline RS, Jeffcott LB, et al: Foetal and maternal plasma concentrations of 13, 14-dihydro-15-oxo-prostaglandin F in the mare during pregnancy and at parturition. *J Endocrinol* 78(2):201-7, 78  
ADRENAL CORTEX HORMONES, blood/ ANIMAL/ CATHETERIZATION, adverse effects/ FEMALE/ \*FETAL BLOOD, analysis/ FETAL DEATH, etiology/ GESTATIONAL AGE/ \*HORSES, blood/ LABOR/ PREGNANCY/ \*PREGNANCY, ANIMAL/ \*PROSTAGLANDINS, blood/ STARVATION
237. Barnett DB, Chesrown SE, Zbinden AF, et al: Cyclic AMP and cyclic GMP in canine peripheral lung: regulation and cyclic GMP in canine peripheral lung: regulation. *Am Rev Respir Dis* 118(4):723-33, Oct 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ AIRWAY RESISTANCE/ ANIMAL/ CHLORPHENIRAMINE, pharmacodynamics/ DOGS/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ INDOMETHACIN, pharmacodynamics/ LUNG COMPLIANCE/ LUNG, innervation/ \*LUNG, metabolism/ PROPANOLOL, pharmacodynamics/ PROSTAGLANDIN SYNTHASE, physiology/ \*RESPIRATION/ RESPIRATION, ARTIFICIAL/ SYMPLECTOMY/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VAGOTOMY
238. Barofsky AL, Harney JW: Impairments in lactation in the rat following destruction of the median raphe nucleus. *Neuroendocrinology* 26(6):333-51, 1978  
ANIMAL/ ANIMALS, NEWBORN/ BODY WEIGHT, drug effects/ \*BRAIN STEM, physiology/ \*ESTRUS/ FEMALE/ \*LACTATION/ MILK SECRETION/ OXYTOCIN, pharmacodynamics/ PREGNANCY/ \*RAPHE NUCLEI, physiology/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
239. Barone JV: Nutrition—phase one of the edentulous rat. *J Prosthet Dent* 40(2):122-6, Aug 78  
AGED/ AGING/ ASCORBIC ACID, physiology/ CALCIUM, physiology/ DENTURE, COMPLETION/ DIETARY CARBOHYDRATES, adverse effects/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ MOUTH MUCOSA, physiology/ \*MOUTH, EDENTULOUS/ MOUTH, EDENTULOUS, physiopathology/ \*NUTRITION/ OBESITY, etiology/ OSTEOPOROSIS, etiology/ PROTEIN DEFICIENCY, etiology/ PROTEINS, physiology/ SALIVARY GLANDS, physiology/ STRESS, physiopathology/ VITAMIN A, physiology/ VITAMIN B COMPLEX, physiology/ VITAMIN C, physiology



# AUTHOR SECTION

0. Barowicz T, Styczyński H: The effect of the milking process on oxytocic activity in the blood plasma of cows during oestrous. *Acta Physiol Pol* 29(3):297-9, May-Jun 78  
ANIMAL/ \*CATTLE, physiology/ COMPARATIVE STUDY/ \*ESTRUS/ FEMALE/ \*LACTATION/ \*MILK EJECTION/ \*OXYTOCIN, blood
1. Barreca P, Giannola C, Palisi F: 2alpha-bromoergocryptine in the management of the amenorrhea-galactorrhea syndrome. Clinical and endocrinological evaluation of response to treatment. *Acta Eur Fertil* 9(1):21-9, Mar 78 (Eng, Ita)  
ADULT/ AMENORRHEA, blood/  
\*AMENORRHEA, drug therapy/ FEMALE/  
GALACTORRHEA, blood/ \*GALACTORRHEA, drug therapy/ HUMAN/ \*LACTATION DISORDERS, drug therapy/ PROGESTERONE, blood/ PROLACTIN, blood/ SYNDROME/ 2-BROMOERGOCRYPTINE, adverse effects/ 2-BROMOERGOCRYPTINE, pharmacodynamics/ \*2-BROMOERGOCRYPTINE, therapeutic use
- Barrett AJ, Longhurst P, Sneath P, et al: Mobilization of CFU-C by exercise and ACTH induced stress in man. *Exp Hematol* 6(7):590-4, Aug 78  
ADULT/ COLONY-FORMING UNITS ASSAY/ \*CORTICOTROPIN, pharmacodynamics/ \*EXERTION/ FEMALE/ \*HEMATOPOIETIC STEM CELLS/ \*HEMATOPOIETIC STEM CELLS, drug effects/ HUMAN/ LEUKOCYTE COUNT/ \*LYMPHOCYTES/ Lymphocytes, drug effects/ MALE/ \*NEUTROPHILS/ NEUTROPHILS, drug effects
- Barrett AM: Neuropsychology of appetite regulation. *Proc Nutr Soc* 37(2):193-9, Sep 78  
AMPHETAMINE, pharmacodynamics/ ANIMAL/ \*APPETITE DEPRESSANTS, therapeutic use/ \*APPETITE REGULATION/ APPETITE REGULATION, drug effects/ CATECHOLAMINES, physiology/ FENFLURAMINE, pharmacodynamics/ HUMAN/ HYPOTHALAMUS, physiology/ MODELS, BIOLOGICAL/ RATS/ SEROTONIN ANTAGONISTS, pharmacodynamics/ SEROTONIN, physiology
- Barrett JD, Eggena P, Sambhi MP: Partial characterization of aortic renin in the spontaneously hypertensive rat and its interrelationship with plasma renin, blood pressure and sodium balance. *Clin Sci Mol Med* 55(3):261-70, Sep 78  
ANGIOTENSIN I, metabolism/ ANIMAL/ \*AORTA, enzymology/ BLOOD PRESSURE/ FEMALE/ HYDRALAZINE, therapeutic use/ HYPERTENSION, drug therapy/ \*HYPERTENSION, enzymology/ MALE/ METOLAZONE, therapeutic use/ PROPRANOLOL, therapeutic use/ RATS/ RENIN, blood/ \*RENIN, metabolism/ SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Barry J: Immunohistochemical localization of hypothalamic hormones (especially LRF) at the light microscopy level. *Curr Top Mol Endocrinol* 3:451-73, 1976 (118 ref.)  
ANIMAL/ AXONS, analysis/ \*BRAIN CHEMISTRY/ BRAIN, cytology/ CORTICOTROPIN RELEASING HORMONE, analysis/ FLUORESCENT ANTIBODY TECHNIC/ HISTOCYTOCHEMISTRY/ HYPOTHALAMUS, analysis/ HYPOTHALAMUS, secretion/ \*LH-FSH RELEASING HORMONE, analysis/ MALE/ MEDIAN EMINENCE, analysis/ NEURONS, analysis/ NEUROPHYSINS, analysis/ REVIEW/ \*SOMATOTROPIN RELEASE INHIBITING HORMONE, analysis/ SPECIES SPECIFICITY/ SYNAPSES, analysis
- Barry J, Croix D: Immunofluorescence study of the hypothalamo-infundibular LRH tract and serum gonadotropin levels in the female squirrel monkey during the estrous cycle. *Cell Tissue Res* 192(2):215-26, 5 Sep 78  
ANIMAL/ AXONS, metabolism/ \*ESTRUS/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ \*FSH, blood/ HYPOTHALAMUS, anatomy & histology/ \*HYPOTHALAMUS, metabolism/ \*LH, blood/ \*LH-FSH RELEASING HORMONE, metabolism/ MONKEYS/ NEURONS, metabolism/ SQUIRREL MONKEYS
- Barry JM, Bennett WM: Primary cadaver kidney transplant survival after donor pretreatment with cyclophosphamide and methylprednisolone. *Transplantation* 26(3):202-3, Sep 78  
\*CYCLOPHOSPHAMIDE, pharmacodynamics/  
\*GRAFT SURVIVAL, drug effects/ HUMAN/  
\*KIDNEY, transplantation/  
\*METHYLPREDNISOLONE, pharmacodynamics/  
TRANSPLANTATION, AUTOLOGOUS
248. Barsotti M: Hyperparathyroidism. *Ariz Med* 35(9):591-3, Sep 78  
HUMAN/ HYPERCALCEMIA, etiology/  
HYPERPARATHYROIDISM, complications/  
\*HYPERPARATHYROIDISM, diagnosis
249. Barta O, Klei TR: Hemolytic assay of complement and its components from Syrian hamster (*Mesocricetus auratus*) and Mongolian gerbil (*Meriones unguiculatus*). *Dev Comp Immunol* 2(3):519-28, Jul 78  
ANIMAL/ CALCIUM, metabolism/ COMPARATIVE STUDY/ \*COMPLEMENT/ ERYTHROCYTES, immunology/ GERBILS/ HAMSTERS/ \*HEMOLYSIS/ HYDROGEN-ION CONCENTRATION/ MAGNESIUM, metabolism/ MESOCRICETUS/ OSMOLAR CONCENTRATION
250. Barth AD, Adams WM, Manns JC, et al: Induction of parturition in beef cattle using estrogens in conjunction with dexamethasone. *Can Vet J* 19(7):175-80, Jul 78  
ANIMAL/ \*CATTLE, physiology/  
\*DEXAMETHASONE, administration & dosage/  
DEXAMETHASONE, pharmacodynamics/  
\*ESTROGENS, administration & dosage/  
ESTROGENS, pharmacodynamics/ FEMALE/ INJECTIONS/ \*LABOR, INDUCED, veterinary/ PREGNANCY
251. Baruchin A, Ben-Hur N, Ashur H: [Treatment of male pseudohermaphroditism] *Harefuah* 94(11):375-8, 1 Jun 78 (Eng. Abstr.) (Heb)  
CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ \*PSEUDOHERMAPHRODITISM, surgery
252. Baskakov VP, Tsvelev IuV: Znachenie khirurgicheskogo metoda v kompleksnom lechenii bol'nykh endometriozom. *Akush Ginekol (Mosk)* (8):60-2, Aug 78 (Eng. Abstr.) (Rus)  
CASTRATION/ \*ENDOMETRIOSIS, surgery/  
ENGLISH ABSTRACT/ FALLOPIAN TUBE NEOPLASMS, surgery/ FEMALE/ HUMAN/ OVARIAN NEOPLASMS, surgery/  
PREOPERATIVE CARE/ UTERINE NEOPLASMS, surgery
253. Bassi S, Albizzati MG, Beltramelli A, et al: Encephalomyelitis with thyrotoxicosis. *J Neurol* 218(4):293-5, 25 Aug 78  
ADULT/ CASE REPORT/  
\*ENCEPHALOMYELITIS, complications/ HUMAN/  
\*HYPERTHYROIDISM, complications/  
HYPERTHYROIDISM, drug therapy/ MALE/  
METHIMAZOLE, therapeutic use/ SYNDROME
254. Basudde CD, Humphreys DJ: The vitamin D3 metabolite-type activity of *Solanum malacoxylon*. *Clin Endocrinol (Oxf)* 5 Suppl:109S-119S, 1976  
ALKALINE PHOSPHATASE, blood/ ANIMAL/  
BONE AND BONES, analysis/ CALCIUM, blood/  
CALCIUM, urine/ \*CHOLECALCIFEROLS, metabolism/ CITRATES, blood/ DIET/  
HEXOSAMINES, analysis/ MAGNESIUM, blood/  
MAGNESIUM, urine/ MALE/ PHOSPHATES, blood/ PHOSPHATES, urine/ PLANT EXTRACTS, adverse effects/ \*PLANT EXTRACTS, pharmacodynamics/ PLANTS, TOXIC/ RATS
255. Batra S: Studies on calcium uptake by myometrial microsomes with particular reference to the dependence on inorganic phosphate and oxalate. *Acta Physiol Scand* 104(1):68-73, Sep 78  
ANIMAL/ ANIONS/ \*CALCIUM, metabolism/  
FEMALE/ HYDROGEN-ION CONCENTRATION/  
\*MICROSOMES, metabolism/ \*MYOMETRIUM, metabolism/ \*OXALATES, pharmacodynamics/  
\*PHOSPHATES, pharmacodynamics/ RABBITS/  
SUCROSE, pharmacodynamics/ \*UTERUS, metabolism
256. Batten TF, Hopkins CR: Discrimination of LH, FSH, TSH and ACTH in dissociated porcine anterior pituitary cells by light and electron microscope immunocytochemistry. *Cell Tissue Res* 192(1):107-20, 25 Aug 78  
CELLS, CULTURED/ \*CORTICOTROPIN, analysis/  
CYTOPLASMIC GRANULES, ultrastructure/ \*FSH, analysis/ IMMUNOENZYME TECHNIQUES/ \*LH, analysis/ \*PITUITARY GLAND, ANTERIOR,



# AUTHOR SECTION

- analysis/ PITUITARY GLAND, ANTERIOR,  
ultrastructure/ RADIOIMMUNOASSAY/ SWINE/  
\*THYROTROPIN, analysis
257. Battke H, Saalfeld J: Diagnostik der Hodentumoren.  
Z Aertzt Fortbild (Jena) 72(17):849-51, 1 Sep 78  
DIAGNOSIS, DIFFERENTIAL/ HEALTH  
EDUCATION/ HUMAN/ HYDROCELE, diagnosis/  
MALE/ PALPATION/ \*TESTICULAR  
NEOPLASMS, diagnosis/ TESTICULAR  
NEOPLASMS, prevention & control
  258. Baudendistel LJ, Ruh MF, Nadel EM, et al: Cytoplasmic  
oestrogen receptor replenishment: oestrogens versus  
anti-oestrogens. Acta Endocrinol (Copenh) 89(3):599-611,  
Nov 78  
ANIMAL/ CELL NUCLEUS, metabolism/  
CLOMIPHENE, pharmacodynamics/ CYTOPLASM,  
metabolism/ DNA, biosynthesis/ \*ESTRADIOL,  
pharmacodynamics/ \*ESTROGEN ANTAGONISTS,  
pharmacodynamics/ FEMALE/ NITROMIFENE,  
pharmacodynamics/ ORGAN WEIGHT, drug effects/  
PROTEINS, biosynthesis/ PYRROLIDINES,  
pharmacodynamics/ RATS/ RECEPTORS,  
ESTROGEN, biosynthesis/ \*RECEPTORS,  
ESTROGEN, metabolism/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ UTERUS, drug effects/  
UTERUS, growth & development/ \*UTERUS,  
metabolism
  259. Baulieu EE, Godeau F, Schorderet M, et al: Steroid-induced  
meiotic division in *Xenopus laevis* oocytes: surface and  
calcium. Nature 275(5681):593-8, 19 Oct 78 (82 ref.)  
ADRENERGIC BETA RECEPTOR BLOCKADERS,  
pharmacodynamics/ ANIMAL/ CALCIUM,  
metabolism/ CELL MEMBRANE, drug effects/ CELL  
MEMBRANE, metabolism/ CENTRAL NERVOUS  
SYSTEM AGENTS, pharmacodynamics/  
HORMONES, SYNTHETIC, pharmacodynamics/ IN  
VITRO/ \*MEIOSIS, drug effects/ \*OOGENESIS, drug  
effects/ \*PROGESTERONE, pharmacodynamics/  
RECEPTORS, PROGESTERONE, metabolism/  
REVIEW/ STEROIDS, pharmacodynamics/  
\*XENOPUS, physiology
  260. Baum MJ, Schretlen PJ: Oestrogenic induction of sexual  
behaviour in ovariectomized ferrets housed under short or  
long photoperiods. J Endocrinol 78(2):295-6, Aug 78  
ANIMAL/ \*CARNIVORA, physiology/  
CASTRATION/ \*ESTRADIOL, pharmacodynamics/  
ESTRUS/ FEMALE/ \*FERRETS, physiology/  
\*LIGHT/ \*SEX BEHAVIOR, ANIMAL, drug effects
  261. Baumanis EA, Plaude OO, Buikis IM: O razviti  
eksperimental'nykh opukholei mozga v usloviakh moduliatsii  
obmena aminov. Vopr Onkol 24(9):71-7, 1978 (Eng. Abstr.)  
(Rus)  
\*AMINES, metabolism/ ANIMAL/ \*BRAIN  
NEOPLASMS, etiology/ BRAIN NEOPLASMS,  
metabolism/ CEREBELLAR NEOPLASMS, etiology/  
CEREBELLAR NEOPLASMS, metabolism/  
ENGLISH ABSTRACT/ MONOAMINE OXIDASE  
INHIBITORS, pharmacodynamics/ NEOPLASMS,  
EXPERIMENTAL, etiology/ NEOPLASMS,  
EXPERIMENTAL, metabolism/ RATS/  
SEROTONIN, metabolism/ TIME FACTORS/  
9,10-DIMETHYL-1,2-BENZANTHRACENE
  262. Baumgarten HG, Klemm HP, Lachenmayer L, et al: Mode and  
mechanism of action of neurotoxic indoleamines: a review  
and a progress report. Ann NY Acad Sci 305:3-24, 12 Jun  
78 (40 ref.)  
ANIMAL/ BINDING, COMPETITIVE/ BIOGENIC  
AMINES, metabolism/ \*BRAIN, drug effects/ BRAIN,  
metabolism/ CISTERNA MAGNA/  
DIHYDROXYTRYPTAMINES, metabolism/  
\*DIHYDROXYTRYPTAMINES, pharmacodynamics/  
INJECTIONS/ INJECTIONS,  
INTRAVENTRICULAR/ MITOCHONDRIA,  
metabolism/ NERVE TISSUE PROTEINS,  
metabolism/ NOREPINEPHRINE, metabolism/  
PROTEIN BINDING/ REVIEW/ SEROTONIN,  
metabolism
  263. Baxter MA, Coore HG: The mode of regulation of pyruvate  
dehydrogenase of lactating rat mammary gland. Effects of  
starvation and insulin. Biochem J 174(2):553-61, 15 Aug 78  
ADENINE NUCLEOTIDES, metabolism/ ANIMAL/  
ENZYME ACTIVATION, drug effects/ FEMALE/  
IN VITRO/ \*INSULIN, pharmacodynamics/  
\*LACTATION/ MAMMAE, drug effects/  
\*MAMMAE, enzymology/ MITOCHONDRIA,  
enzymology/ PREGNANCY/ PROTEIN KINASE  
metabolism/ \*PYRUVATE DEHYDROGENASE  
COMPLEX, metabolism/ PYRUVATE  
DEHYDROGENASE PHOSPHATASE, metabolism/  
RATS/ STARVATION, enzymology
  264. Beam HE, Henning SJ: Development of the circadian rhythm  
of jejunal sucrase activity in the weanling rat.  
Am J Physiol 235(4):E437-42, Oct 78  
ADRENALECTOMY/ AGE FACTORS/ ANIMAL  
ANIMALS, NEWBORN/ \*CIRCADIAN RHYTHM  
CORTICOSTERONE, physiology/ FEMALE/  
\*INTESTINE, SMALL, enzymology/ INTESTINE,  
SMALL, growth & development/ JEJUNUM,  
enzymology/ JEJUNUM, growth & development/  
PREGNANCY/ RATS/ \*SUCRASE, metabolism/  
UNITED STATES GOV'T SUPPORTED, P.H.S.  
WEANING
  265. Beato M, Beier HM: Characteristics of the purified  
uteroglobin-like protein from rabbit lung. J Reprod F  
53(2):305-14, Jul 78  
ANIMAL/ CHROMATOGRAPHY/ FEMALE/  
DIFFUSION TESTS/ \*GLYCOPROTEINS,  
metabolism/ \*LUNG, analysis/ RABBITS/  
RECEPTORS, PROGESTERONE, metabolism/  
UTEROGLOBIN, isolation & purification/  
\*UTEROGLOBIN, metabolism
  266. Beattie CW, Bullock BC: Diurnal variation of serum androgen  
and estradiol-17beta in the adult male green monkey  
(*Cercopithecus* sp). Biol Reprod 19(1):36-9, Aug 78  
\*ANDROGENS, blood/ ANIMAL/  
CERCOPITHECUS, blood/ \*CERCOPITHECUS  
physiology/ \*CIRCADIAN RHYTHM/ \*DIURNAL  
RHYTHM/ \*ESTRADIOL, blood/ MALE/  
MONKEYS
  267. Beatty PW, Vaughn WK, Neal RA: Effect of alteration of  
hepatic mixed-function oxidase (MFO) activity on the  
toxicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD).  
Toxicol Appl Pharmacol 45(2):513-9, Aug 78  
ANIMAL/ CASTRATION/ COBALT,  
pharmacodynamics/ \*DIOXINS, toxicity/ FEMALE/  
HEMIN, pharmacodynamics/ LIVER, drug effects/  
\*LIVER, enzymology/ MALE/  
METHYLCHOLANTHRENE, pharmacodynamics/  
MICROSOMES, LIVER, enzymology/ \*MIXED  
FUNCTION OXIDASES, metabolism/  
\*OXIDOREDUCTASES, metabolism/  
PHENOBARBITAL, pharmacodynamics/ RATS/  
TESTOSTERONE, pharmacodynamics/  
\*TETRACHLORODIBENZODIOXIN, toxicity/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
  268. Beaufils F, Vouret G: Surveillance endocrinométabolique  
après chirurgie de la région hypothalamo-hypophysaire.  
Anesth Analg (Paris) 35(2):301-6, Mar-Apr 78  
\*ADRENAL GLAND HYPOFUNCTION, prevention  
& control/ DIABETES INSIPIDUS, prevention  
& control/ HUMAN/ HYPERNATREMIA, prevention  
& control/ \*HYPOTHALAMO-HYPOPHYSARY  
SYSTEM, surgery/ POLYURIA, prevention & control  
\*POSTOPERATIVE COMPLICATIONS, prevention  
& control/ VASOPRESSINS, metabolism/  
\*WATER-ELECTROLYTE BALANCE
  269. Beaugrand M, Cassan P, Dongradi G, et al: Relations  
entre la sécrétion gastrique acide et les taux plasmatiques  
de calcium, de parathormone et de calcitonine chez des  
insuffisants rénaux chroniques hémodialysés.  
Nouv Presse Med 7(30):2635-6, 16 Sep 78 (Eng. Abstr.)  
ADULT/ \*CALCITONIN, blood/ \*CALCIUM,  
blood/ ENGLISH ABSTRACT/ FEMALE/  
\*GASTRIC JUICE, secretion/ GASTRINS, blood  
\*HEMODIALYSIS/ HUMAN/ \*KIDNEY FAILURE,  
CHRONIC, blood/ KIDNEY FAILURE, CHRONIC,  
physiopathology/ KIDNEY FAILURE, CHRONIC,  
therapy/ MALE/ MIDDLE AGE/ \*PARATHYROID  
HORMONE, blood
  270. Bechcińska B, Mielczarek H: Morfologia zmian w nerwie  
świńskim mózgowym po stosowaniu preparatów chłonna-  
(Germel) i organometal (Organon). Ginek Pol 49(6):48-50,  
Jun 78 (Eng. Abstr.)  
ANIMAL/ \*CHLORMADINONE, toxicity/  
ENGLISH ABSTRACT/ FEMALE/ GUINEA PIG/  
\*KIDNEY, drug effects/ KIDNEY, pathology/  
\*LYNESTRENOL, toxicity/ RABBITS



## AUTHOR SECTION

- Becker DI:** Thyroid function testing: an introduction to the thyrotropin-releasing hormone (TRH) stimulation test. *NC Med J* 39(8):486-8, Aug 78  
ADULT/ FEMALE/ HUMAN/ MIDDLE AGE/  
\*THYROID DISEASES, diagnosis/ \*THYROID  
FUNCTION TESTS/ \*THYROTROPIN  
RELEASING HORMONE, diagnostic use
- Becker KL, Snider RH, Silva OL, et al:** Calcitonin heterogeneity in lung cancer and medullary thyroid cancer. *Acta Endocrinol (Copenh)* 89(1):89-99, Sep 78  
\*CALCITONIN, blood/ CALCITONIN, immunology/  
\*CARCINOMA, blood/ \*CARCINOMA,  
BRONCHOGENIC, blood/ CARCINOMA,  
EPIDERMAL, blood/ CARCINOMA, OAT CELL,  
blood/ CHROMATOGRAPHY, GEL/ HUMAN/  
IMMUNE SERUMS/ \*LUNG NEOPLASMS, blood/  
RADIOIMMUNOASSAY/ \*THYROID  
NEOPLASMS, blood
- Beckerhoff R, Uhlschmid G, Vetter W, et al:** Effect of angiotensin II and of an angiotensin II analogue (Sar<sup>1</sup>-Ile<sup>8</sup>-angiotensin II) on blood pressure, plasma aldosterone and plasma renin activity in the dog. *Clin Sci Mol Med* 48 Suppl 2:41s-44s, Jun 75  
\*ALDOSTERONE, blood/ \*ANGIOTENSIN II,  
analogs & derivatives/ \*ANGIOTENSIN II,  
pharmacodynamics/ ANIMAL/ \*BLOOD PRESSURE,  
drug effects/ DOGS/ INFUSIONS, PARENTERAL/  
POTASSIUM, blood/ \*RENIN, blood/ SARALASIN,  
administration & dosage/ \*SARALASIN,  
pharmacodynamics/ SODIUM, blood
- Beckmann M, Beller FK:** Postkoitale Kontrazeption. *Med Welt* 29(40):1576-8, 6 Oct 78 (Ger)  
\*CONTRACEPTION, methods/  
\*CONTRACEPTIVES, POSTCOITAL, administration  
& dosage/ CURETTAGE/ ESTROGENS,  
administration & dosage/ FEMALE/ HUMAN/  
PROGESTATIONAL HORMONES, administration &  
dosage/ PROTAGLANDINS, administration &  
dosage/ TIME FACTORS
- Bedard CK, Cooke AR:** Chronic hepatitis. *J Kans Med Soc* 79(9):516-9, Sep 78  
ADRENAL CORTEX HORMONES, therapeutic use/  
CHRONIC DISEASE/ \*HEPATITIS/ HEPATITIS,  
classification/ HEPATITIS, diagnosis/ HUMAN/  
PROGNOSIS
- Bedikian AY, Valdivieso M, Heilbrun LK, et al:** Glycerol: a successful alternative to dexamethasone for patients receiving brain irradiation for metastatic disease. *Cancer Treat Rep* 62(7):1081-3, Jul 78  
BRAIN NEOPLASMS, drug therapy/ BRAIN  
NEOPLASMS, radiotherapy/ \*BRAIN NEOPLASMS,  
therapy/ DEXAMETHASONE, adverse effects/  
DRUG EVALUATION/ GLYCERIN, adverse effects/  
\*GLYCERIN, therapeutic use/ HUMAN/  
NEOPLASM METASTASIS/ PILOT PROJECTS/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
- Bedivan M, Simu G:** Lesions of the female genital tract in leukemia and lymphoma. *Morphol Embryol (Bucur)* 24(3):221-4, Jul-Sep 78  
FEMALE/ \*GENITALIA, FEMALE, pathology/  
\*HODGKIN'S DISEASE, pathology/ HUMAN/  
\*LEUKEMIA, pathology/ LEUKEMIA,  
MYELOBLASTIC, pathology/ LEUKEMIA,  
MYELOCYTIC, pathology/ \*LYMPHOMA,  
pathology/ OVARY, pathology/ UTERUS, pathology
- Bednorz W, Chęcińska Z, Głębowska H, et al:** Leczenie polyarteriitis nodosa enkortonem i imuranem. *Wiad Lek* 31(16):1153-8, 15 Aug 78 (Eng. Abstr.) (Pol)  
ADULT/ \*AZATHIOPRINE, administration &  
dosage/ CASE REPORT/ DRUG THERAPY,  
COMBINATION/ ENGLISH ABSTRACT/  
FEMALE/ HUMAN/ MIDDLE AGE/  
\*PERIARTERITIS NODOSA, drug therapy/  
\*PREDNISONE, administration & dosage
- Bedrossian CW, Woo J, Miller WC, et al:** Decreased angiotensin-converting enzyme in the adult respiratory distress syndrome. *Am J Clin Pathol* 70(2):244-7, Aug 78  
ADOLESCENCE/ ADULT/ AGED/ FEMALE/  
HUMAN/ \*KININASE II, metabolism/ MALE/  
MIDDLE AGE/ RENIN, blood/ \*RESPIRATORY  
DISTRESS SYNDROME, ADULT, enzymology
- Beermeier B, Groschinsky-Grind M, Fähræus L, et al:** Placental transfer of furosemide. *Clin Pharmacol Ther* 24(5):560-2, Nov 78  
AMNIOTIC FLUID, metabolism/ FEMALE/ FETAL  
BLOOD, metabolism/ FUROSEMIDE, blood/  
\*FUROSEMIDE, metabolism/ HUMAN/  
\*MATERNAL-FETAL EXCHANGE/ PLACENTA,  
metabolism/ PREGNANCY/ TIME FACTORS
281. **Beers WH, Strickland S, Reich E:** Ovarian plasminogen activator: relationship to ovulation and hormonal regulation. *Cell* 6(3):387-94, Nov 75  
ANIMAL/ CATTLE/ CELLS, CULTURED/  
DIBUTYRYL CYCLIC AMP, pharmacodynamics/  
ESTRUS/ FEMALE/ \*GRANULOSA CELLS,  
metabolism/ LH, pharmacodynamics/ \*OVARY,  
physiology/ \*OVULATION/ \*PLASMINOGEN  
ACTIVATORS, physiology/ RATS/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
282. **Beers WH:** Follicular plasminogen and plasminogen activator and the effect of plasmin on ovarian follicle wall. *Cell* 6(3):379-86, Nov 75  
ANIMAL/ CATTLE/ FEMALE/ \*FIBRINOLYSIN,  
metabolism/ \*GRAAFIAN FOLLICLE, enzymology/  
OVARY, metabolism/ \*PLASMINOGEN  
ACTIVATORS, metabolism/ \*PLASMINOGEN,  
metabolism/ PROTEASE INHIBITORS, metabolism/  
TENSILE STRENGTH
283. **Behne D, von Berswordt-Wallrabe R, Elger W, et al:** Glutathione peroxidase in erythrocytes and plasma of rats during pregnancy and lactation. *Experientia* 34(8):986-7, 15 Aug 78  
ANIMAL/ ERYTHROCYTES, enzymology/  
FEMALE/ \*GLUTATHIONE PEROXIDASE, blood/  
\*LACTATION/ \*PEROXIDASES, blood/  
PREGNANCY/ \*PREGNANCY, ANIMAL/ RATS/  
TIME FACTORS
284. **Beierwaltes WH:** Therapeutic implications of adrenal scanning agents. pp. 155-65.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
ADOSTEROL, diagnostic use/ ADOSTEROL,  
therapeutic use/ ADRENAL GLAND DISEASES,  
drug therapy/ ADRENAL GLAND DISEASES,  
radionuclide imaging/ \*ADRENAL GLAND  
DISEASES, radiotherapy/ ADRENAL GLAND  
NEOPLASMS, drug therapy/ ADRENAL GLAND  
NEOPLASMS, radionuclide imaging/ \*ADRENAL  
GLAND NEOPLASMS, radiotherapy/ ANIMAL/  
CHEMISTRY/ DOGS/ ENZYME INHIBITORS,  
diagnostic use/ ENZYME INHIBITORS, therapeutic  
use/ HUMAN/ IODINE RADIOISOTOPES,  
diagnostic use/ \*IODINE RADIOISOTOPES,  
therapeutic use/ IODOBENZENES, diagnostic use/  
IODOBENZENES, therapeutic use/ MONOGRAPH/  
PHENETHYLAMINES, diagnostic use/  
PHENETHYLAMINES, therapeutic use/ UNITED  
STATES GOV'T SUPPORTED/ UNITED STATES  
GOV'T SUPPORTED, P.H.S./  
19-IODOCHOLESTEROL, diagnostic use/  
19-IODOCHOLESTEROL, therapeutic use
285. **Beierwaltes WH:** Radioiodide in the therapy for thyroid carcinoma. pp. 101-11.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
ADENOCARCINOMA, mortality/  
ADENOCARCINOMA, surgery/ ADULT/ AGED/  
CARCINOMA, PAPILLARY, mortality/  
CARCINOMA, PAPILLARY, surgery/ CHILD/  
FEMALE/ HUMAN/ IODINE RADIOISOTOPES,  
adverse effects/ \*IODINE RADIOISOTOPES,  
therapeutic use/ MALE/ MIDDLE AGE/  
MONOGRAPH/ NEOPLASM METASTASIS/  
NEOPLASM RECURRENCE, LOCAL/ SURGERY,  
OPERATIVE, adverse effects/ THYROID  
NEOPLASMS, mortality/ \*THYROID NEOPLASMS,  
radiotherapy/ THYROID NEOPLASMS, surgery
286. **Bein ME, Mancuso AA, Mink JH, et al:** Computed tomography in the evaluation of mediastinal lipomatosis. *J Comput Assist Tomogr* 2(4):379-83, Sep 78  
CASE REPORT/ CUSHING'S SYNDROME,  
complications/ FEMALE/ HUMAN/ LIPOMATOSIS,  
complications/ \*LIPOMATOSIS, radiography/  
MEDIASTINAL NEOPLASMS, complications/  
\*MEDIASTINAL NEOPLASMS, radiography/  
MIDDLE AGE/ OBESITY, complications/

## AUTHOR SECTION

- \*TOMOGRAPHY, COMPUTERIZED AXIAL
287. Beisswenger P: A question of priorities. *Hosp Pract* 13(6):151, 156-7, 162, Jun 78  
AGE FACTORS/ AGED/ CASE REPORT/ FEMALE/ \*GOITER, NODULAR, complications/ GOITER, NODULAR, diagnosis/ HUMAN/ \*HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, diagnosis/ POLYPS, complications/ POLYPS, diagnosis/ STOMACH NEOPLASMS, complications/ STOMACH NEOPLASMS, diagnosis
  288. Beitner R, Haberman S, Nordenberg J, et al: The levels of cyclic GMP and glucose 1,6-diphosphate, and the activity of phosphofructokinase, in muscle from normal and dystrophic mice. *Biochim Biophys Acta* 542(3):537-41, 6 Sep 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ALLOSTERIC REGULATION/ ANIMAL/ \*GLUCOSEPHOSPHATES, metabolism/ GLYCOLYSIS/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ MICE/ \*MUSCLES, metabolism/ \*MUSCULAR DYSTROPHY, ANIMAL, metabolism/ \*PHOSPHOFRUCTOKINASE, metabolism
  289. Bekhor I, Mirell C, Anne L: Induction of cleft palates by triamcinolone acetonide: re-examination of the problem. *Cleft Palate J* 15(3):220-32, Jul 78 (76 ref.)  
ANIMAL/ CELL NUCLEUS, metabolism/ CHROMATIN, metabolism/ CHROMOSOMES, metabolism/ CLEFT PALATE, chemically induced/ \*CLEFT PALATE, embryology/ CLEFT PALATE, familial & genetic/ CYTOSOL, metabolism/ EMBRYO, metabolism/ FEMALE/ FETUS, metabolism/ \*GLUCOCORTICOID, physiology/ HUMAN/ MAXILLA, embryology/ MICE/ MICE, INBRED STRAINS/ NUCLEOPROTEINS, metabolism/ PALATE, embryology/ PREGNANCY/ PROTEIN BINDING/ RECEPTORS, GLUCOCORTICOID, metabolism/ REVIEW/ TRANSCRIPTION, GENETIC/ \*TRIAMCINOLONE ACETONIDE/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  290. Bekhtereva EP: Vliianie kastratsii i testosterona propionata na obmen 3H-noradrenalina v razlichnykh strukturakh golovnogo mozga u kry-s-samtsov. *Probl Endokrinol (Mosk)* 24(5):56-9, Sep-Oct 78 (Eng. Abstr.) (Rus)  
ANIMAL/ BRAIN, drug effects/ \*BRAIN, metabolism/ \*CASTRATION/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ MALE/ \*NOREPINEPHRINE, metabolism/ RATS/ \*TESTOSTERONE, pharmacodynamics/ TIME FACTORS/ TRITIUM
  291. Belavady B: Lipid and trace element composition of human milk. *Acta Paediatr Scand* 67(5):566-71, Sep 78  
COPPER, analysis/ DEVELOPING COUNTRIES/ ETHIOPIA/ FATTY ACIDS, analysis/ FEMALE/ HUMAN/ INDIA/ INFANT/ INFANT, NEWBORN/ IRON, analysis/ LACTATION/ LINOLEIC ACIDS, analysis/ LIPASE, analysis/ \*LIPIDS/ LIPIDS, analysis/ MAGNESIUM, analysis/ \*MILK, HUMAN, analysis/ SWEDEN/ TIME FACTORS/ \*TRACE ELEMENTS/ TRACE ELEMENTS, analysis/ UNITED STATES/ VITAMIN D, analysis/ ZINC, analysis
  292. Belcher EH: Radioimmunoassay and related procedures in medicine. Report on the international symposium held in Berlin (West) from 31 October to 4 November 1977. *At Energy Rev* 16(2):309-16, Jun 78  
ANTIGENS, NEOPLASM, analysis/ BILE ACIDS AND SALTS, analysis/ \*CONGRESSES/ DRUGS, analysis/ METHODS/ QUALITY CONTROL/ \*RADIOIMMUNOASSAY/ STEROIDS, analysis/ VITAMINS, analysis/ WORLD HEALTH ORGANIZATION
  293. Belchetz PE, Plant TM, Nakai Y, et al: Hypophysial responses to continuous and intermittent delivery of hypophyseal gonadotropin-releasing hormone. *Science* 202(4368):631-3, 10 Nov 78  
ANIMAL/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG ADMINISTRATION SCHEDULE/ FEMALE/ \*FSH, secretion/ \*LH, secretion/ LH-FSH RELEASING HORMONE, administration & dosage/ \*LH-FSH RELEASING HORMONE, pharmacodynamics/ MONKEYS/ \*PITUITARY GLAND, ANTERIOR, drug effects/ PITUITARY GLAND, ANTERIOR, secretion/ RHESUS MONKEYS
  294. Belding JH, Tade WH: Evaluation of epithelial maturation hormonally related stomatitis. *J Oral Med* 33(1):17-9, Jan-Mar 78  
AGED/ CASE REPORT/ CONTRACEPTIVE ORAL, HORMONAL, adverse effects/ EPITHELIAL pathology/ FEMALE/ \*GINGIVA, pathology/ HORMONES, deficiency/ HUMAN/ MIDDLE \*MOUTH MUCOSA, pathology/ ORAL MANIFESTATIONS/ STOMATITIS, chemical induced/ \*STOMATITIS, pathology/ VAGINAL SMEARS
  295. Beliakov VA, Beliakova TA, Mokeyev NM, et al: Sovremennyye kombinirovannyye vnutrivennyi nebarbiturovyi narkoz i neotlozhnykh operativnykh vmeshatel'stvakh. *Anesteziol Reanimatol* (4):24-8, Jul-Aug 78 (Eng. Abstr.)  
ADOLESCENCE/ ADULT/ AGED/ \*ANESTHESIA, INTRAVENOUS/ ANIMAL, CHILD/ CHILD, PRESCHOOL/ DIAZEPAM DOGS/ DROPERIDOL/ DRUG COMBINATIONS/ \*EMERGENCIES/ ENGLISH ABSTRACT/ FENTANYL/ HUMAN/ HYDROXYDIONE/ INFANT/ MIDDLE AGE/ PROPANIDOL/ SODIUM OXYBATE/ \*SURGERY, OPERATIVE
  296. Belis JA, Kandzari SJ, Milam DF: Management of testicular tumors. *W Va Med J* 74(10):259-63, Oct 78  
ADOLESCENCE/ ADULT/ AGED/ CHILD/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASMS/ METASTASIS/ PHYSICAL EXAMINATION/ TESTICULAR NEOPLASMS, drug therapy/ TESTICULAR NEOPLASMS, radiography/ TESTICULAR NEOPLASMS, surgery/ \*TESTICULAR NEOPLASMS, therapy
  297. Belkin BG, Abramian AA: Keratoderma kistei i stopnykh soprovozhdaushchiasia obrazovaniia iazvy s deformatsiei i mutilatsiei kostei. *Vestn Dermatol Venerol* (10):46-78 (Eng. Abstr.)  
ADULT/ CASE REPORT/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ \*HAND DEFORMITIES/ ACQUIRED, etiology/ HAND DEFORMITIES/ ACQUIRED, pathology/ HUMAN/ \*KERATODERMA PALMARIS ET PLANTARIS, complications/ KERATODERMA PALMARIS ET PLANTARIS, pathology/ MALE/ \*OSTEOPOROSIS, etiology/ OSTEOPOROSIS, pathology/ \*SKIN ULCER, etiology/ SKIN ULCER, pathology
  298. Bell AB, Coleman LH: Neonatal thyroxine screening of a single-tube solid-phase radioimmunoassay. *Clin Chem* 24(10):1755-8, Oct 78  
BLOOD SPECIMEN COLLECTION/ HUMAN/ \*HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, diagnosis/ INFANT, NEWBORN/ \*INFANT, NEWBORN, DISEASE/ diagnosis/ MASS SCREENING/ NEW YORK PAPER/ QUEBEC/ RADIOIMMUNOASSAY methods/ \*THYROXINE, blood
  299. Bell R: Hormone influences on human aggression. *Ir J Med Sci* 147 Suppl 1:5-9, Aug 78  
ADOLESCENCE/ ADULT/ AGED/ \*AGGRESSION, drug effects/ ANDROGEN ANTAGONISTS, pharmacodynamics/ ANDROGEN physiology/ CASTRATION/ CHILD/ ESTROGEN physiology/ FEMALE/ \*HORMONES, physiology/ HUMAN/ HYPOGLYCEMIA, physiopathology/ MALE/ MIDDLE AGE/ PREMENSTRUAL TENSION, physiopathology
  300. Bellinger LL, Bernardis LL, Brooks S: Feeding response of rats with dorsomedial hypothalamic lesions given ip or glucose. *Am J Physiol* 235(3):R168-74, Sep 78  
ANIMAL/ \*DEOXY SUGARS, pharmacodynamics/ DEOXYGLUCOSE, administration & dosage/ \*DEOXYGLUCOSE, pharmacodynamics/ \*FEEDING BEHAVIOR, physiology/ GLUCOSE, administration & dosage/ \*GLUCOSE, pharmacodynamics/ \*HYPOTHALAMUS, physiology/ INJECTION/ INTRAPERITONEAL/ MALE/ \*PARAVENTRICULAR NUCLEUS, physiology/ RATS
  301. Bellino FL, Hussa RO, Osawa Y: Estrogen synthetase in choriocarcinoma cell culture. Stimulation by dibutyltin



# AUTHOR SECTION

- adenosine monophosphate and theophylline. Steroids  
32(1):37-44, Jul-Aug 78
- ANDROSTENEDIONE, metabolism/  
\*AROMATASE, metabolism/ CELLS, CULTURED/  
CHORIOCARCINOMA, enzymology/ \*DIBUTYRYL  
CYCLIC AMP, pharmacodynamics/ HUMAN/  
KINETICS/ \*OXIDOREDUCTASES, metabolism/  
SUBCELLULAR FRACTIONS, enzymology/  
\*THEOPHYLLINE, pharmacodynamics/  
TROPHOBLAST, enzymology/ TROPHOBLAST,  
ultrastructure/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
- Belloir A, Dardenne P, Coutel Y: L'évolution  
psychopathologique à long terme de 10 insuffisants  
thyroïdiens. *Pediatric* 33(5):475-89, Jul-Aug 78 (Eng. Abstr.)  
(Fre)
- ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/  
ENGLISH ABSTRACT/ HUMAN/  
\*HYPOTHYROIDISM, complications/ INFANT/  
LEARNING DISORDERS, etiology/  
LONGITUDINAL STUDIES/ \*MENTAL  
DISORDERS, etiology/ PSYCHOSES, etiology/  
TIME FACTORS
- Belmaker RH, Hattab J, Ebstein RP: Plasma  
dopamine-beta-hydroxylase in childhood psychosis.  
*J Autism Child Schizophr* 8(3):293-8, Sep 78
- ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
blood/ ADOLESCENCE/ AGE FACTORS/  
CATECHOL METHYLTRANSFERASE, blood/  
CHILD/ COMPARATIVE STUDY/ \*DOPAMINE  
BETA-HYDROXYLASE, blood/ ERYTHROCYTES,  
enzymology/ FEMALE/ HUMAN/ MALE/  
MONOAMINE OXIDASE, blood/ \*PSYCHOSES,  
enzymology/ PSYCHOSES, ORGANIC, blood/  
SCHIZOPHRENIA, CHILDHOOD, enzymology
- Belonje PC: An investigation into possible methods of assessing  
the intake of calcium and phosphorus by grazing sheep.  
*Onderstepoort J Vet Res* 45(1) Mar 78
- ANIMAL FEED, analysis/ \*ANIMAL NUTRITION/  
ANIMAL/ BODY COMPOSITION/ BODY  
WEIGHT/ BONE AND BONES, analysis/ BRAIN  
CHEMISTRY/ \*CALCIUM, analysis/ CALCIUM,  
blood/ CALCIUM, urine/ FECES, analysis/ KIDNEY,  
analysis/ LIVER, analysis/ MAGNESIUM, blood/  
MALE/ MUSCLES, analysis/ \*PHOSPHORUS,  
analysis/ PHOSPHORUS, blood/ PHOSPHORUS,  
urine/ SHEEP, metabolism
- Ben Z, Birecka A: Rządka postać kosztnej manifestacji w  
sklerodermii. *Pol Przegl Radiol* 42(2):115-7, Mar-Apr 78  
(Eng. Abstr.) (Pol)
- ADULT/ \*BONE DISEASES, radiography/ CASE  
REPORT/ ENGLISH ABSTRACT/ FEMALE/  
HUMAN/ MIDDLE AGE/ OSTEOPOROSIS,  
radiography/ RIBS, radiography/ \*SCLERODERMA,  
SYSTEMIC, radiography
- Benassayag JL, Kutner JP, Darbois Y, et al: Diagnostic  
échographique d'une grossesse molaire embryonnée.  
*J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):754-6, Apr  
78 (Fre)
- ADULT/ CASE REPORT/ FEMALE/ \*FETAL  
DEATH, diagnosis/ HUMAN/ \*HYDATIDIFORM  
MOLE, diagnosis/ \*ULTRASONICS, diagnostic use/  
\*UTERINE NEOPLASMS, diagnosis
- Bender DA: Regulation of 5-hydroxytryptamine synthesis.  
*Proc Nutr Soc* 37(2):159-65, Sep 78
- AMINO ACIDS, blood/ ANIMAL/ BLOOD-BRAIN  
BARRIER/ \*BRAIN, metabolism/  
HYDROXYINDOLEACETIC ACID, metabolism/  
PROTEIN BINDING/ PYRIDOXINE  
DEFICIENCY, metabolism/ RABBITS/ RATS/  
\*SEROTONIN, biosynthesis/ SERUM ALBUMIN,  
metabolism/ TRYPTOPHAN HYDROXYLASE,  
metabolism/ TRYPTOPHAN, blood
- Bendtsen K: Human leucocyte migration inhibitory factor  
(LIF). V. Specific regulation of the lymphokine serine  
protease activity by 3',5'-cGMP and, possibly, 2',3'-cCMP.  
*Scand J Immunol* 8(1):53-61, 1978
- CELL MIGRATION INHIBITION/ CYTIDINE  
MONOPHOSPHATE/ \*GUANOSINE  
CYCLIC-3',5'-MONOPHOSPHATE, physiology/  
HUMAN/ INDICATORS AND REAGENTS/  
LEUKOCYTES, immunology/ LYMPHOKINES,  
isolation & purification/ \*LYMPHOKINES,  
physiology/ \*NUCLEOTIDES, CYCLIC, physiology/  
\*PEPTIDE HYDROLASES/ PROTEASE  
INHIBITORS, pharmacodynamics
309. Benedetti G: Transsexualismus und Transvestitismus.  
*Z Psychosom Med Psychoanal* 24(3):224-39, Jul-Sep 78  
(Eng. Abstr.) (Ger)
- ADULT/ ANDROGENS, blood/ CHILD/ ENGLISH  
ABSTRACT/ FEMALE/ GENDER IDENTITY/  
HOMOSEXUALITY/ HUMAN/ MALE/  
PARENT-CHILD RELATIONS/ PERSONALITY  
DEVELOPMENT/ PSYCHOANALYTIC  
THERAPY/ PSYCHOPATHOLOGY/  
\*TRANSSEXUALISM, psychology/  
\*TRANSVESTISM, psychology
310. Benezech M, Noël B: Prolactin secretion in XYY males [letter]  
*Lancet* 2(8095):899, 21 Oct 78
- ADULT/ HUMAN/ MALE/ \*PROLACTIN,  
secretion/ \*SEX CHROMOSOME  
ABNORMALITIES, physiopathology/ \*XYY  
KARYOTYPE, physiopathology
311. Ben Ezra D: Neovascuogenic ability of prostaglandins, growth  
factors, and synthetic chemoattractants. *Am J Ophthalmol*  
86(4):455-61, Oct 78
- ANIMAL/ \*BLOOD VESSELS, drug effects/ BLOOD  
VESSELS, growth & development/ BLOOD  
VESSELS, pathology/ CORNEA, blood supply/  
\*CORNEA, drug effects/ CORNEA, pathology/  
GROWTH SUBSTANCES, pharmacodynamics/  
HUMAN/ IN VITRO/ PROSTAGLANDINS A,  
pharmacodynamics/ PROSTAGLANDINS E,  
pharmacodynamics/ PROSTAGLANDINS F,  
pharmacodynamics/ \*PROSTAGLANDINS,  
pharmacodynamics/ RABBITS
312. Bengtsson G, Blomgren PG, Bergman K, et al: Patient exposures  
and radiation risks in Swedish diagnostic radiology.  
*Acta Radiol Oncol Radiat Phys Biol* 17(2):81-105, 1978
- BONE MARROW, radiation effects/ BREAST,  
radiation effects/ DOSE-RESPONSE  
RELATIONSHIP, RADIATION/ FEMALE/  
HUMAN/ LUNG, radiation effects/ MALE/ OVARY,  
radiation effects/ RADIATION DOSAGE/  
\*RADIATION INJURIES/ RADIATION INJURIES,  
prevention & control/ RADIATION PROTECTION/  
\*RADIOGRAPHY, adverse effects/ RISK/  
SWEDEN/ TESTIS, radiation effects/ THYROID  
GLAND, radiation effects/ TIME FACTORS
313. Benini A: Pseudotumor cerebri. *Praxis* 67(40):1462-6, 3 Oct  
78 (Eng. Abstr.) (Ger)
- BRAIN, blood supply/ CEREBRAL  
ANGIOGRAPHY/ CEREBROSPINAL FLUID  
SHUNTS/ CHILD/ ENGLISH ABSTRACT/  
FEMALE/ FUNDUS OCULI/ HEADACHE,  
etiology/ HUMAN/ MALE/ OPTIC NERVE,  
pathology/ PAPILLEDEMA, etiology/  
\*PSEUDOTUMOR CEREBRI/ STEROIDS, adverse  
effects/ THROMBOPHLEBITIS, diagnosis/  
TOMOGRAPHY, COMPUTERIZED AXIAL
314. Benjamin M, Baker BI: Ultrastructural studies on prolactin and  
growth hormone cells in *Anguilla* pituitaries in long term  
cultures. *Cell Tissue Res* 191(1):161-70, 13 Jul 78
- ADAPTATION, PHYSIOLOGICAL/ \*ANGUILLA,  
anatomy & histology/ ANIMAL/ CYTOPLASMIC  
GRANULES, ultrastructure/ ENDOPLASMIC  
RETICULUM, ultrastructure/ FRESH WATER/  
GOLGI APPARATUS, ultrastructure/  
MICROSCOPY, ELECTRON/ ORGAN CULTURE/  
OSMOLAR CONCENTRATION/ PITUITARY  
GLAND, physiology/ PITUITARY GLAND,  
secretion/ \*PITUITARY GLAND, ultrastructure/  
\*PROLACTIN, secretion/ SEAWATER/ SODIUM,  
administration & dosage/ \*SOMATOTROPIN, secretion
315. Benlloch Navarro R: Tumores del testículo: algunos  
comentarios a sus aspectos etiológicos, evolutivos, y  
resultados de la terapéutica en una revisión de 360 casos.  
*Arch Esp Urol* 31(3):247-62, May-Jun 78 (Eng. Abstr.)  
(Spa)
- ADOLESCENCE/ ADULT/ AGE FACTORS/  
AGED/ CASTRATION/ CHILD/ CHILD,  
PRESCHOOL/ COBALT RADIOISOTOPES,  
therapeutic use/ DRUG THERAPY,  
COMBINATION/ ENGLISH ABSTRACT/  
FOLLOW-UP STUDIES/ HUMAN/ INFANT/  
MALE/ MIDDLE AGE/ SPAIN/ SPERMATIC  
CORD, surgery/ \*TESTICULAR NEOPLASMS/  
TESTICULAR NEOPLASMS, drug therapy/

## AUTHOR SECTION

- TESTICULAR NEOPLASMS, etiology/  
TESTICULAR NEOPLASMS, occurrence/  
TESTICULAR NEOPLASMS, surgery
316. Bennett GA, Anderson RA: Distribution of aflatoxin and/or zearalenone in wet-milled corn products: a review. *J Agric Food Chem* 26(5):1055-60, Sep-Oct 78  
\*AFLATOXINS, analysis/ \*CORN, analysis/  
HUMIDITY/ \*RESORCINOLS, analysis/  
\*ZEARELENONE, analysis
  317. Bennett T, Gardiner SM: Corticosteroid involvement in the changes in noradrenergic responsiveness of tissues from rats made hypertensive by short-term isolation. *Br J Pharmacol* 64(1):129-36, Sep 78  
\*ADRENAL CORTEX HORMONES, physiology/  
ANIMAL/ CALCIUM, metabolism/  
CORTICOSTERONE, blood/ HYPERTENSION, etiology/ \*HYPERTENSION, pathophysiology/ IN VITRO/ MALE/ MYOCARDIUM, metabolism/  
\*NOREPINEPHRINE, pharmacodynamics/  
POTASSIUM, metabolism/ RATS/ \*SOCIAL ISOLATION/ SODIUM, metabolism/ TIME FACTORS/ VAS DEFERENS, metabolism
  318. Benson DR, Donaldson DH, Millar EA: The spine in osteogenesis imperfecta. *J Bone Joint Surg [Am]* 60(7):925-9, Oct 78  
BONE AND BONES, radiography/ CHILD/ CHILD, PRESCHOOL/ DELIVERY/ EYE  
MANIFESTATIONS/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYPERHIDROSIS, complications/ INFANT/ INFANT, NEWBORN/ LOCOMOTION/ MALE/ \*OSTEOGENESIS IMPERFECTA/ OSTEOGENESIS IMPERFECTA, complications/ OSTEOGENESIS IMPERFECTA, radiography/ SCLERA/ SCOLIOSIS, complications/  
\*SCOLIOSIS, etiology/ SCOLIOSIS, radiography/  
THORAX, abnormalities
  319. Benton D, Goldsmith JF, Gamal-el-Din L, et al: Adrenal activity in adult mice and mice of different social status. *Physiol Behav* 20(4):459-64, Apr 78  
ADRENAL GLANDS, analysis/ \*ADRENAL GLANDS, physiology/ ANIMAL/ BODY WEIGHT/ CORTICOSTERONE, blood/ EPINEPHRINE, analysis/ GENITALIA, MALE, anatomy & histology/  
MALE/ MICE/ NOREPINEPHRINE, analysis/  
ORGAN WEIGHT/ \*SOCIAL DOMINANCE/  
\*SOCIAL ISOLATION
  320. Berchtold M, Rüsch P, Thun R: Ovarielle Veränderungen nach GnRH-Applikation bei Kühen mit normalen Ovarfunktionen. *Schweiz Arch Tierheilkd* 120(8):377-82, Aug 78 (Eng. Abstr.) (Ger)  
ANIMAL/ \*CATTLE, physiology/ CORPUS LUTEUM, drug effects/ ENGLISH ABSTRACT/ FEMALE/ METESTRUS, drug effects/ \*OVARY, drug effects/ OVULATION INDUCTION/ OVULATION, drug effects/ \*PITUITARY HORMONE RELEASING HORMONES, pharmacodynamics
  321. Berchtold R: Chirurgische oder konservative Behandlung der portalen Hypertension? *Ther Umsch* 35(9):782-4, Sep 78 (Eng. Abstr.) (Ger)  
ENGLISH ABSTRACT/ \*ESOPHAGEAL VARICES, therapy/ HEMORRHAGE, GASTROINTESTINAL, drug therapy/ HEMORRHAGE, GASTROINTESTINAL, prevention & control/ HEPATIC COMA, prevention & control/ HUMAN/ \*HYPERTENSION, PORTAL, therapy/ LIVER CIRRHOSIS, therapy/ SPLENECTOMY/ SPLENOMEGALY, surgery/  
VASOPRESSINS, therapeutic use
  322. Berdina NA, Vinogradova OL, Vishnevetskaia MA, et al: Kholinergicheskie vlianiia, vyzvannye stimulatsiei perednogo gipotalamusa koshki, na rabotosposobnost' skeletnoi mushtsy. *Biol Nauki* (7):77-81, 1978 (Rus)  
ANIMAL/ ATROPINE, pharmacodynamics/  
\*BLOOD VESSELS, innervation/ CATS/  
DEPRESSION, CHEMICAL/ ELECTRIC STIMULATION/ HINDLIMB, blood supply/  
\*HYPOTHALAMUS, physiology/  
\*HYPOTHALAMUS, ANTERIOR, physiology/  
\*MUSCLE CONTRACTION/ \*MUSCLES, blood supply/ \*RECEPTORS, CHOLINERGIC, physiology/  
REGIONAL BLOOD FLOW, drug effects/  
\*VASODILATION/ VASODILATION, drug effects
  323. Berdyshev GD, Masiuk AI, Tiulenev VI: O nervnoi regii genicheskikh protsessov. *Usp Sovrem Biol* 86(1):43 Jul-Aug 78 (78 ref.)  
ADENOSINE TRIPHOSPHATASE, genetics/  
ANIMAL/ CHROMATIN, ultrastructure/  
CHROMOSOME ABERRATIONS/  
DENERVATION/ FROGS/ \*GENETICS/  
HYPOTHALAMUS, physiology/ LACTATE DEHYDROGENASE ISOENZYMES, genetics/  
LIVER, enzymology/ LIVER, innervation/ MU PROTEINS, genetics/ MUSCLES, enzymology/  
\*NERVOUS SYSTEM, physiology/  
NEUROHUMORS, physiology/ PROTEINS, biosynthesis/ REVIEW/ RNA, biosynthesis/  
SUCCINATE DEHYDROGENASE, genetics/  
TRANSCRIPTION, GENETIC/ TRANSLATION, GENETIC
  324. Berelowitz M, Pimstone B, Shapiro B, et al: Tissue growth hormone release inhibiting hormone-like immunoreactivity in experimental hypothyroidism and hypopituitarism. *Clin Endocrinol (Oxf)* 9(2):185-91, Aug 78  
ANIMAL/ HYPOPHYSECTOMY/  
\*HYPOPITUITARISM, metabolism/  
\*HYPOTHYROIDISM, metabolism/ MALE/ P SOMATOTROPIN RELEASE INHIBITING HORMONE, blood/ \*SOMATOTROPIN RELEASE INHIBITING HORMONE, metabolism/ TISSUE DISTRIBUTION
  325. Beręsewicz M, Kłosiewicz L: Powikłania w przebiegu leczenia solami litu jako przyczyna przerwania kuracji. *Psychiatr Pol* 12(3):397-401, May-Jun 78 (Eng. Abstr.)  
ADULT/ ENGLISH ABSTRACT/ FEMALE/ \*HEART, drug effects/ HUMAN/ HYPOTHYROIDISM, chemically induced/  
\*LITHIUM, adverse effects/ LITHIUM, therapeutic use/ MALE/ MIDDLE AGE/ SKIN, drug effects
  326. Berg D, Meltzer V: Outpatient management of placental insufficiency with heparin. *J Perinat Med* 6(3):141-4, 1978  
AMBULATORY CARE/ CEPHALOMETRY/ ESTRIOL, urine/ FEMALE/ FETUS, anatomy/ histology/ \*HEPARIN, therapeutic use/ HUMAN/ INFANT, NEWBORN/ \*PLACENTAL DISORDERS, drug therapy/ \*PLACENTAL INSUFFICIENCY, therapy/ PLACENTAL INSUFFICIENCY, therapy/ PLACENTAL LACTOGEN, urine/ PREGNANCY, ULTRASONICS, diagnostic use
  327. Berger B: In vitro uptake of dopamine in serotonergic terminals: a fluorescence histochemical study on various sections of the rat cerebral cortex. *Adv Biochem Psychopharmacol* 19:405-8, 1978  
ANIMAL/ AXONS, metabolism/ \*BRAIN, metabolism/ CATECHOLAMINES, metabolism/  
\*DOPAMINE, metabolism/ DOPAMINE, physiology/ FLUORESCENT ANTIBODY TECHNIQUE/ IN VITRO/ \*NERVE ENDINGS, metabolism/ NERVE FIBERS, metabolism/ NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, physiology/  
RATS/ \*SEROTONIN, physiology
  328. Bergfeld WF: Diffuse hair loss in women. *Cutis* 22(2):107-10, Aug 78  
ADRENAL CORTEX HORMONES, therapy/ ADULT/ ALOPECIA, drug therapy/ \*ALOPECIA, etiology/ ESTROGENS, SYNTHETIC, therapeutic use/ FEMALE/ FOLLOW-UP STUDIES/ HYGIENE/ MIDDLE AGE
  329. Bergleiter R: Endokrine Aspekte des Ovarialkarzinoms. Klinische und pathologisch-anatomische Untersuchungen. *Zentralbl Gynaekol* 100(15):1000-3, 1978 (Eng. Abstr.)  
ADULT/ AGE FACTORS/ AGED/ ENDOCRINE DISEASES, diagnosis/ \*ENDOCRINE DISEASES, etiology/ ENGLISH ABSTRACT/ FEMALE/ GERMANY, EAST/ HUMAN/ MENSTRUATION, disorders, diagnosis/ MENSTRUATION, disorders, etiology/ MIDDLE AGE/ \*OVARIAN NEOPLASMS, complications/ PROGNOSIS/ RETROSPECTIVE STUDIES
  330. Bergleiter R, Liedtke MP, Neef G: Endokrine Aspekte des Ovarialkarzinoms II. Biochemische und histochemische Untersuchungen. *Zentralbl Gynaekol* 100(15):1004-6, 1978 (Eng. Abstr.)  
ADULT/ AGED/ \*ENDOCRINE DISEASES, etiology/ ENDOCINE DISEASES, pathology



# AUTHOR SECTION

- ENGLISH ABSTRACT/ ESTRADIOL, blood/  
FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/  
MIDDLE AGE/ OVARIAN NEOPLASMS, blood/  
\*OVARIAN NEOPLASMS, complications/  
OVARIAN NEOPLASMS, pathology
1. Bergman L, Westerberg B, Lindstedt G, et al: Possible involvement of growth hormone in the pathogenesis of early neonatal hypocalcemia in infants of diabetic mothers. *Biol Neonate* 34(1-2):72-9, 1978  
ADULT/ CALCITONIN, blood/ CALCIUM, blood/  
CALCIUM, urine/ FEMALE/ HUMAN/  
\*HYPOCALCEMIA, etiology/ INFANT,  
NEWBORN/ \*INFANT, NEWBORN, DISEASES,  
etiology/ \*PREGNANCY IN DIABETES/  
PREGNANCY/ \*SOMATOTROPIN/  
SOMATOTROPIN, blood
2. Bergsjø P: Laktasjonshemming med medikamenter. *Tidsskr Nor Lægeforen* 98(29):1423-4, 20 Oct 78 (Nor)  
\*ANDROGENS, pharmacodynamics/ \*ESTROGENS,  
pharmacodynamics/ FEMALE/ HUMAN/  
\*LACTATION, drug effects/ PREGNANCY
3. Bergström J, Fürst P: Uremic toxins. *Kidney Int [Suppl]* (8):S9-12, Jun 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ANIMAL/ CHOLINE, metabolism/  
HEMODIALYSIS/ HUMAN/ INOSITOL,  
metabolism/ \*KIDNEY, metabolism/ POLYAMINES,  
metabolism/ RIBONUCLEASE, metabolism/ UNITED  
STATES GOV'T SUPPORTED, P.H.S./ UREA,  
metabolism/ \*UREMIA, metabolism/ UREMIA,  
therapy
4. Berkowitz BA, Head RJ: Adrenal origin of plasma catecholamines after decapitation: a study in normal and diabetic rats. *Br J Pharmacol* 64(1):3-5, Sep 78  
ADRENAL GLANDS, enzymology/ \*ADRENAL  
GLANDS, metabolism/ ANIMAL/  
\*CATECHOLAMINES, blood/ \*DIABETES  
MELLITUS, EXPERIMENTAL, metabolism/  
DOPAMINE BETA-HYDROXYLASE, blood/  
RATS/ TIME FACTORS
5. Berman W Jr, Goodlin RC, Heymann MA, et al: Effects of pharmacologic agents on umbilical blood flow in fetal lambs in utero. *Biol Neonate* 33(5-6):225-35, 1978  
ACETYLCHOLINE, pharmacodynamics/  
ANGIOTENSIN II, pharmacodynamics/ ANIMAL/  
BLOOD PRESSURE, drug effects/ BRADYKININ,  
pharmacodynamics/ CATECHOLAMINES,  
pharmacodynamics/ DRUG SCREENING/  
FEMALE/ FETAL HEART, physiology/ HEART  
RATE, drug effects/ HISTAMINE,  
pharmacodynamics/ MODELS, BIOLOGICAL/  
PLACENTA, blood supply/ PREGNANCY/  
PROSTAGLANDINS, pharmacodynamics/  
SEROTONIN, pharmacodynamics/ SHEEP/  
TOLAZOLINE, pharmacodynamics/ \*UMBILICAL  
CORD, blood supply/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ VASCULAR RESISTANCE,  
drug effects
6. Bernard J, Chretien FC: Effect of follicular fluid on the surface ultrastructure of rat granulosa cells in vitro. *Biol Reprod* 19(1):133-43, Aug 78  
CELL MEMBRANE, ultrastructure/ CELLS,  
CULTURED/ FEMALE/ \*GRAAFIAN FOLLICLE,  
physiology/ \*GRANULOSA CELLS, ultrastructure/  
MICROSCOPY, ELECTRON, SCANNING/ RATS
7. Bernardo LA, Petralli JP, Weiss LP, et al: Adrenal luteinizing hormone releasing hormone receptors. *J Histochem Cytochem* 26(8):613-7, Aug 78  
ADRENAL CORTEX, analysis/ \*ADRENAL  
GLANDS, analysis/ ANIMAL/ IMMUNOENZYME  
TECHNICS/ \*LH-FSH RELEASING HORMONE/  
LH-FSH RELEASING HORMONE, analogs &  
derivatives/ LH-FSH RELEASING HORMONE,  
pharmacodynamics/ MICE/ MICE, INBRED CBA/  
MICE, INBRED C57BL/ \*RECEPTORS,  
HORMONE, analysis/ RECEPTORS, HORMONE,  
drug effects
8. Bernauer W, Wolf K: The effect of verapamil, isoproterenol, and dexamethasone on enzyme release and viability of coronary obstructed guinea-pig hearts. *Arch Int Pharmacodyn Ther* 234(2):257-69, Aug 78  
ANIMAL/ ARRHYTHMIA, chemically induced/  
CORONARY CIRCULATION, drug effects/  
CORONARY DISEASE, enzymology/ \*CORONARY  
DISEASE, physiopathology/ CREATINE KINASE,  
metabolism/ \*DEXAMETHASONE,  
pharmacodynamics/ FEMALE/ GUINEA PIGS/ IN  
VITRO/ \*IPROVERATRIL, pharmacodynamics/  
\*ISOPROTERENOL, pharmacodynamics/ MALE/  
\*MYOCARDIUM, enzymology/ TIME FACTORS
339. Berry AC, Mutton DE, Lewis DG: Mosaicism and the trisomy 8 syndrome. *Clin Genet* 14(2):105-14, Aug 78  
ABNORMALITIES, MULTIPLE, familial & genetic/  
ADOLESCENCE/ CASE REPORT/ CELL LINE/  
CELLS, CULTURED/ \*CHROMOSOMES, HUMAN,  
6-12/ FIBROBLASTS, ultrastructure/ HUMAN/  
LYMPHOCYTES, ultrastructure/ MALE/  
\*MOAICISM/ SPINE, radiography/ SYNDROME/  
TESTIS, pathology/ \*TRISOMY
340. Berry LJ: The mediation of endotoxemic effects. *Toxicol Suppl* (1):869-87, 1978 (50 ref.)  
ANIMAL/ COLONY-STIMULATING FACTOR,  
metabolism/ \*ENDOTOXINS, pharmacodynamics/  
ENDOTOXINS, toxicity/ GLUCOCORTICOIDS,  
antagonists & inhibitors/ IN VITRO/ INTERFERON,  
metabolism/ LEUKOCYTES, drug effects/  
LEUKOCYTES, metabolism/ MICE/ MICE, INBRED  
STRAINS/ MITOGENS/ NECROSIS, chemically  
induced/ NEOPLASMS, pathology/ PYROGENS,  
blood/ REVIEW/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
341. Berthier C, Lemarchand-Béraud T: Importance of thyroid iodine and cyclic AMP, and TSH concentrations on goitre formation in rats. *Acta Endocrinol (Copenh)* 89(3):567-79, Nov 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ANIMAL/ COMPARATIVE STUDY/  
GOITER, chemically induced/ \*GOITER, metabolism/  
IODINE, administration & dosage/ \*IODINE,  
metabolism/ MALE/ ORGAN WEIGHT, drug effects/  
PROPYLTHIOURACIL/ RATS/ THYROID  
FUNCTION TESTS/ \*THYROID GLAND,  
metabolism/ THYROTROPIN, blood/  
\*THYROTROPIN, metabolism/ THYROXINE, blood/  
TIME FACTORS/ TRIIODOTHYRONINE, blood
342. Berti F, Fano M, Folco GC, et al: Inhibition of harmaline induced tremors by 16 (S)-16-methyl PGE2 in different mammalian species: a correlation with central cyclic nucleotides and prostaglandins. *Prostaglandins* 15(5):867-74, May 78  
\*ALKALOIDS, antagonists & inhibitors/ ANIMAL/  
BRAIN, drug effects/ \*BRAIN, metabolism/ CATS/  
CEREBELLUM, metabolism/ CEREBRAL CORTEX,  
metabolism/ \*HARMALINE, antagonists & inhibitors/  
MALE/ \*NUCLEOTIDES, CYCLIC, metabolism/  
PROSTAGLANDINS E, metabolism/  
\*PROSTAGLANDINS E, SYNTHETIC,  
pharmacodynamics/ PROSTAGLANDINS F,  
metabolism/ \*PROSTAGLANDINS, metabolism/  
RATS/ TREMOR, chemically induced/ TREMOR,  
metabolism/ \*TREMOR, physiopathology
343. Beskid M, Borowicz J, Kobuszewska-Faryna M, et al: Histochemical investigation of aldosterone-secreting cells adenoma of the adrenal cortex. *Endokrinologie* 72(1):57-65, Apr 78  
ADENOMA, pathology/ \*ADENOMA, secretion/  
ADENOMA, ultrastructure/ ADRENAL CORTEX  
NEOPLASMS, pathology/ \*ADRENAL CORTEX  
NEOPLASMS, secretion/ ADRENAL CORTEX  
NEOPLASMS, ultrastructure/ \*ALDOSTERONE,  
secretion/ HISTOCYTOCHEMISTRY/ HUMAN/  
MICROSCOPY, ELECTRON
344. Besser GM: Clinical implications of growth hormone release inhibiting hormone (GH-RIH). *Curr Top Mol Endocrinol* 3:115-25, 1976 (19 ref.)  
\*ACROMEGALY, drug therapy/ BRONCHIAL  
NEOPLASMS, drug therapy/ CORTICOTROPIN,  
secretion/ \*DIABETES MELLITUS, drug therapy/  
GASTRINS, secretion/ GLUCAGON, secretion/  
HUMAN/ HYPOGLYCEMIA, drug therapy/ ISLET  
CELL TUMOR, drug therapy/ \*NEOPLASMS, drug  
therapy/ NEOPLASMS, secretion/ PANCREATIC  
NEOPLASMS, drug therapy/ REVIEW/  
SOMATOTROPIN RELEASE INHIBITING  
HORMONE, adverse effects/ \*SOMATOTROPIN  
RELEASE INHIBITING HORMONE,  
pharmacodynamics/ SOMATOTROPIN, secretion/

# AUTHOR SECTION

- THYROTROPIN, secretion/ ZOLLINGER-ELLISON SYNDROME, drug therapy
345. Besson JM, Le Bars D, Oliveras JL: L'analgésie morphinique: données neurobiologiques. *Ann Anesthesiol Fr* 19(5):343-69, 1978 (289 ref.) (Eng. Abstr.) (Fre)  
ANALGESIA/ ANIMAL/ AXONS, physiology/ \*BRAIN STEM, drug effects/ BRAIN STEM, physiology/ CATS/ COMPARATIVE STUDY/ DEPRESSION, CHEMICAL/ ELECTRIC STIMULATION/ ELECTRONARCOSIS/ ENGLISH ABSTRACT/ ENKEPHALINS, pharmacodynamics/ \*MORPHINE, pharmacodynamics/ NALOXONE, pharmacodynamics/ NEURAL TRANSMISSION, drug effects/ NEURONS, drug effects/ NEURONS, physiology/ RATS/ RECEPTORS, NARCOTIC, drug effects/ REVIEW/ SEROTONIN, metabolism/ \*SPINAL CORD, drug effects/ SUBSTANCE P, antagonists & inhibitors/ SUBSTANTIA GELATINOSA, drug effects
346. Bessone R, Segu L, Calas A: Radioautographic identification of serotonergic neurones in Aplysia. *Experientia* 34(8):1038-9, 15 Aug 78  
ANIMAL/ \*APLYSIA, cytology/ AUTORADIOGRAPHY/ \*NEURONS, cytology/ NEURONS, metabolism/ SEROTONIN, metabolism
347. (Best CH), Prof. dr Charles Herbert Best (1899-1978). *Lijec Vjesn* 100(7):460, Jul 78 (Scr)  
CANADA/ CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ NOBEL PRIZE
348. Best LC, Martin TJ, McGuire MB, et al: Dipyridamole and platelet function [letter] *Lancet* 2(8094):846, 14 Oct 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ANTICOAGULANTS/ \*DIPYRIDAMOLE, pharmacodynamics/ HUMAN/ IN VITRO/ MALONDIALDEHYDE, biosynthesis/ MALONDIALDEHYDE, blood/ \*PLATELET AGGREGATION, drug effects/ THROMBOXANE B2, antagonists & inhibitors/ THROMBOXANE B2, biosynthesis
349. Best PM, Ford LE: Calcium release and membrane voltage changes within muscle cells. *Ann NY Acad Sci* 307:640-1, 28 Apr 78  
ANIMAL/ \*CALCIUM, metabolism/ CALCIUM, physiology/ IN VITRO/ \*MEMBRANE POTENTIALS/ \*MUSCLES, physiology/ MUSCLES, secretion/ \*SARCOPLASMIC RETICULUM, physiology/ SARCOPLASMIC RETICULUM, secretion
350. Besznayák I, Nemes A, Balogh A: Die intrathorakale Struma. *Acta Chir Acad Sci Hung* 19(1):17-44, 1978 (Ger)  
AGED/ CASE REPORT/ FEMALE/ GOITER, SUBSTERNAL, diagnosis/ GOITER, SUBSTERNAL, etiology/ \*GOITER, SUBSTERNAL, surgery/ HUMAN/ MIDDLE AGE/ THYROIDECTOMY
351. Bętkowski A, Orlowski J: Wewnątrzkraniowa ektopia tarczycy. *Otolaryngol Pol* 32(3):355-8, 1978 (Pol)  
ADULT/ CASE REPORT/ \*CHORISTOMA, surgery/ FEMALE/ HUMAN/ \*LARYNGEAL NEOPLASMS, surgery/ \*THYROID GLAND
352. Bętkowski A, Wewińska T, Wysocka-Kuźniar S: Samoistny krwotok z tętnicy tarczycy górnej. *Wiad Lek* 31(16):1159-61, 15 Aug 78 (Eng. Abstr.) (Pol)  
\*ARTERIES/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ \*HEMORRHAGE, surgery/ HUMAN/ MIDDLE AGE/ \*THYROID DISEASES, surgery/ \*THYROID GLAND, blood supply
353. Bettini V, Legrenzi E, Battistuzzi M: Influenza dell'aldosterone sulle risposte di segmenti di arteria coronaria isolata alla noradrenalina in presenza di pirogallolo. *Boll Soc Ital Biol Sper* 54(4):315-8, 28 Feb 78 (Ita)  
\*ALDOSTERONE, pharmacodynamics/ ANIMAL/ CATTLE/ \*CORONARY VESSELS, drug effects/ \*NOREPINEPHRINE, pharmacodynamics/ \*PYROGALLOL, pharmacodynamics
354. Bettini V, Aragno R, Legrenzi E, et al: Influenza degli estrogeni sulla risposta di arteria epatica isolata alla noradrenalina, in presenza di pirogallolo. *Boll Soc Ital Biol Sper* 54(4):311-4, 28 Feb 78 (Ita)  
ANIMAL/ \*ESTRONE, pharmacodynamics/
- \*HEPATIC ARTERY, drug effects/ MIDDLE AGE  
\*NOREPINEPHRINE, pharmacodynamics/  
\*PYROGALLOL, pharmacodynamics
355. Bettini V, Legrenzi E, Scappin L: Influenza dell'aldosterone sulle risposte di segmenti di arteria epatica isolata alla noradrenalina in presenza di pirogallolo. *Boll Soc Ital Biol Sper* 54(4):305-9, 28 Feb 78 (Ita)  
\*ALDOSTERONE, pharmacodynamics/ ANIMAL/ CATTLE/ DRUG INTERACTIONS/ \*HEPATIC ARTERY, drug effects/ \*NOREPINEPHRINE, pharmacodynamics/ \*PYROGALLOL, pharmacodynamics
356. Bettini V, Legrenzi E, Battistuzzi M: Influenza dell'idrocortisone sulla risposta di arterie coronarie isolate alla noradrenalina. *Boll Soc Ital Biol Sper* 54(3):240-3, Feb 78 (Ita)  
ANIMAL/ CATTLE/ \*CORONARY VESSELS, drug effects/ DRUG SYNERGISM/ \*HYDROCORTISONE, pharmacodynamics/ \*NOREPINEPHRINE, pharmacodynamics
357. Beumer J 3d, Brady FA: Dental management of the irradiated patient. *Int J Oral Surg* 7(3):208-20, Jun 78  
BONE AND BONES, radiation effects/ CONNECTIVE TISSUE, pathology/ CONNECTIVE TISSUE, radiation effects/ DENTAL CARIES, etiology/ HUMAN/ MOUTH MUCOSA, radiation effects/ \*MOUTH NEOPLASMS, radiotherapy/ \*MOUTH, radiation effects/ MOUTH, EDENTULOUS/ NECROSIS/ OSTEORADIONECROSIS/ \*PERIODONTIUM, radiation effects/ SALIVARY GLANDS, radiation effects/ TASTE BUDS, radiation effects/ TOOTH EXTRACTION/ \*TOOTH, radiation effects
358. Bewley TA, Li CH: Dissociation kinetics of tetra-S-carbamidomethylated plasmin-modified human somatotropin. *Biochemistry* 17(16):3315-20, 8 Aug 78  
AMINO ACID SEQUENCE/ CIRCULAR DICHROISM/ \*FIBRINOLYSIN/ HUMAN/ \*IODOACETAMIDE/ \*IODOACETATES/ PROTEIN CONFORMATION/ \*SOMATOTROPIN/ UNITED STATES GOV'T SUPPORTED, P.H.S.
359. Bezuidenhout DJJ, Grimbeek J: 'N seldsame oorsaak van maagdermkanalbloeding. *S Afr Med J* 54(3):97, 15 Jul 78 (A)  
ADULT/ CASE REPORT/ CHORIOCARCINOMA complications/ \*CHORIOCARCINOMA, diagnosis/ FEMALE/ \*HEMORRHAGE, GASTROINTESTINAL, etiology/ HUMAN/ NEOPLASM METASTASIS/ \*STOMACH NEOPLASMS, diagnosis
360. Bhagat BD: Possible mechanism of action of propranolol hypertension. *Biochem Pharmacol* 27(12):1689-700, 1978  
ADRENAL GLANDS, drug effects/ \*ADRENAL GLANDS, enzymology/ ANIMAL/ BLOOD PRESSURE, drug effects/ \*HYPERTENSION, enzymology/ HYPERTENSION, physiopathology/ MALE/ \*PROPRANOLOL, pharmacodynamics/ RATS/ TIME FACTORS/ \*TYROSINE HYDROXYLASE, antagonists & inhibitors
361. Bhalla RC, Ashley T: Altered function of adenylate cyclase in the myocardium of the spontaneously hypertensive rat. *Biochem Pharmacol* 27(15):1967-71, 1978  
\*ADENYL CYCLASE, metabolism/ ANIMAL/ CALCIUM, pharmacodynamics/ GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ \*HYPERTENSION, enzymology/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MAGNESIUM, pharmacodynamics/ MANGANESE, pharmacodynamics/ MEMBRANES, enzymology/ \*MYOCARDIUM, enzymology/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
362. Bianchi CP: Effect of pharmacological agents on calcium stoichiometry in amphibian fast and slow muscle fibers. pp. 315-30. In: Weiss GB, ed. *Calcium in drug action*. New York: Plenum Press, 1978. QV 276 S989c 1977.  
ANIMAL/ \*CALCIUM, metabolism/ FROGS/ GLYCERIN, pharmacodynamics/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ IN VITRO/ MONOGRAPH/ MUSCLE CONTRACTION, drug effects/ MUSCLES, drug effects/ \*MUSCLES, metabolism/ OXYGEN CONSUMPTION, drug effects/ POTASSIUM, pharmacodynamics/ RYANODINE,



# AUTHOR SECTION

- pharmacodynamics/ SARCOPLASMIC RETICULUM, drug effects/ SARCOPLASMIC RETICULUM, metabolism
5. Bianchi L: Die Bedeutung bioptischer Befunde für die Diagnostik von Lebererkrankungen. Ther Umsch 35(9):707-15, Sep 78 (49 ref.) (Eng. Abstr.) (Ger)
  - \*BIOPSY, standards/ CHOLESTASIS, chemically induced/ CHOLESTASIS, etiology/ CHRONIC DISEASE/ CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HEPATITIS, VIRAL, HUMAN, diagnosis/ HEPATITIS, VIRAL, HUMAN, pathology/ HUMAN/ LIVER CIRRHOSIS, diagnosis/ \*LIVER DISEASES, diagnosis/ LIVER DISEASES, pathology/ LIVER DISEASES, ALCOHOLIC, diagnosis/ LIVER, pathology/ REVIEW/ SPECIMEN HANDLING
6. Bielicki F, Doliński J, Kotschy M, et al: Zespół rozlanego wykrzepiania wewnątrznaczyniowego. Wiad Lek 31(11):769-74, 1 Jun 78 (Eng. Abstr.) (Pol)
  - ADULT/ BLOOD TRANSFUSION/ CASE REPORT/ \*DISSEMINATED INTRAVASCULAR COAGULATION, etiology/ ENGLISH ABSTRACT/ FEMALE/ GOITER, NODULAR, surgery/ HUMAN/ \*POSTOPERATIVE COMPLICATIONS, blood
5. Bielinska M, Grant GA, Boime I: Processing of placental peptide hormones synthesized in lysates containing membranes derived from tunicamycin-treated ascites tumor cells. J Biol Chem 253(20):7117-9, 25 Oct 78
  - \*CARCINOMA, EHRlich TUMOR, metabolism/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ FEMALE/ \*GLUCOSAMINE, analogs & derivatives/ \*GONADOTROPINS, CHORIONIC, biosynthesis/ HUMAN/ MICE/ PEPTIDES, biosynthesis/ \*PLACENTA, metabolism/ \*PLACENTAL LACTOGEN, biosynthesis/ PREGNANCY/ PROTEIN PRECURSORS, metabolism/ \*RNA, MESSENGER, metabolism/ \*TRANSLATION, GENETIC/ \*TUNICAMYCIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
6. Bigelow B, Blaustein A: Paneth cells in a mucinous cystadenoma of the ovary: light and electron microscopic study. Gynecol Oncol 6(4):391-4, Aug 78
  - CASE REPORT/ \*CYSTADENOMA, MUCINOUS, pathology/ CYSTADENOMA, MUCINOUS, ultrastructure/ EPITHELIUM, pathology/ EPITHELIUM, ultrastructure/ FEMALE/ HUMAN/ MIDDLE AGE/ \*OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, ultrastructure
7. Biggio G, Corda MG, Casu M, et al: Kainic acid-induced lesion of dopaminergic target cells in the striatum: consequences on the dynamics of cerebellar cGMP. Naunyn Schmiedebergs Arch Pharmacol 304(1):5-7, 24 Aug 78
  - ADENYL CYCLASE, metabolism/ ANIMAL/ APOMORPHINE, pharmacodynamics/ CEREBELLAR CORTEX, metabolism/ \*CEREBELLUM, metabolism/ \*CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, metabolism/ \*DOPAMINE, physiology/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HALOPERIDOL, pharmacodynamics/ HARMALINE, pharmacodynamics/ ISONIAZID, pharmacodynamics/ \*KAINIC ACID, pharmacodynamics/ MALE/ \*PYRROLIDINES, pharmacodynamics/ RATS
68. Biggio G, Corda MG, Casu M, et al: Decrease of cyclic GMP in cerebellum by intrastriatal D-Ala2-met-enkephalinamide. Life Sci 23(4):335-9, 24 Jul 78
  - ANIMAL/ CATALEPSY, chemically induced/ CEREBELLUM, drug effects/ \*CEREBELLUM, metabolism/ CORPUS STRIATUM/ \*ENDORPHINS, pharmacodynamics/ ENKEPHALINS, administration & dosage/ ENKEPHALINS, antagonists & inhibitors/ \*ENKEPHALINS, pharmacodynamics/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ INJECTIONS/ MALE/ NALTREXONE, pharmacodynamics/ RATS
69. Biggio G, Corda MG, Casu M, et al: Effect of chronic treatment with neuroleptics on the content of 3',5'-cyclic guanosine monophosphate in cerebellar cortex of rats. Life Sci 23(6):649-52, 14 Aug 78
- ANIMAL/ APOMORPHINE, pharmacodynamics/ CEREBELLUM, drug effects/ \*CEREBELLUM, metabolism/ DRUG TOLERANCE/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HALOPERIDOL, pharmacodynamics/ MALE/ RATS/ TIME FACTORS/ \*TRANQUILIZING AGENTS, MAJOR, pharmacodynamics
370. Biggio G, Corda MG, Casu M, et al: Disappearance of cerebellar cyclic GMP induced by kainic acid. Brain Res 154(1):203-8, 6 Oct 78
  - ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CEREBELLUM, drug effects/ \*CEREBELLUM, metabolism/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ GABA, metabolism/ HARMALINE, pharmacodynamics/ ISONIAZID, pharmacodynamics/ \*KAINIC ACID, pharmacodynamics/ MALE/ NEURONS, drug effects/ NEURONS, metabolism/ \*PYRROLIDINES, pharmacodynamics/ RATS
371. Bigler RE: Relationship of external radiation doses to internal dosimetry. pp. 17-31. In: Spencer RP, ed. Therapy in nuclear medicine. New York, Grune & Stratton, 1978. WN 450 T398 1977.
  - HUMAN/ IODINE RADIOISOTOPES, therapeutic use/ MONOGRAPH/ NEOPLASM METASTASIS/ PHOSPHORUS RADIOISOTOPES, therapeutic use/ \*RADIOISOTOPES, administration & dosage/ \*RADIOTHERAPY DOSAGE/ RADIOTHERAPY, methods/ SARCOMA, OSTEOGENIC, radiotherapy/ SODIUM ETIDRONATE, therapeutic use/ SODIUM IODIDE, therapeutic use/ SULFATES, therapeutic use/ SULFUR RADIOISOTOPES, therapeutic use/ THYROID NEOPLASMS, radiotherapy/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
372. Biglieri EG, Lopez JM: Adrenocorticotropin and plasma aldosterone concentration and deoxycorticosterone in man. Ann NY Acad Sci 297:361-72, 28 Oct 77
  - ADENOMA, VIRILIZING, blood/ \*ADRENAL GLAND DISEASES, blood/ ADRENAL GLAND HYPERFUNCTION, blood/ ADULT/ \*ALDOSTERONE, blood/ CIRCADIAN RHYTHM/ COMPARATIVE STUDY/ \*CORTICOTROPIN, blood/ CORTICOTROPIN, pharmacodynamics/ \*DESOXYCORTICOSTERONE, blood/ HUMAN/ HYPERALDOSTERONISM, blood/ HYPOPITUITARISM, blood/ MIDDLE AGE/ UNITED STATES GOV'T SUPPORTED, P.H.S.
373. Bilezikian JP: Dissociation of beta-adrenergic receptors from hormone responsiveness during maturation of the rat reticulocyte. Biochim Biophys Acta 542(2):263-73, 17 Aug 78
  - ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ \*ADENYL CYCLASE, metabolism/ ANIMAL/ CELL DIFFERENTIATION/ \*ERYTHROCYTES, metabolism/ ERYTHROPOIESIS/ \*ISOPROTERENOL, pharmacodynamics/ RATS/ \*RECEPTORS, ADRENERGIC, metabolism/ RECEPTORS, ADRENERGIC, BETA, drug effects/ \*RECEPTORS, ADRENERGIC, BETA, metabolism/ \*RETICULOCYTES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
374. Bilezikian JP, Gammon DE: The effect of age on beta-adrenergic receptors and adenylate cyclase activity in rat erythrocytes. Life Sci 23(3):253-9, 17 Jul 78
  - \*ADENYL CYCLASE, blood/ AGING/ ANIMAL/ ERYTHROCYTES, enzymology/ \*ERYTHROCYTES, metabolism/ IN VITRO/ PINDOLOL, analogs & derivatives/ PINDOLOL, blood/ RATS/ \*RECEPTORS, ADRENERGIC, physiology/ \*RECEPTORS, ADRENERGIC, BETA, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
375. Bilezikian JP, Dornfeld AM, Gammon DE: Structure-binding-activity analysis of beta-adrenergic amines—II. Binding to the beta receptor and inhibition of adenylate cyclase. Biochem Pharmacol 27(10):1455-61, 15 May 78
  - \*ADENYL CYCLASE, antagonists & inhibitors/ ADRENERGIC BETA RECEPTOR AGONISTS, metabolism/ \*ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, metabolism/

# AUTHOR SECTION

- \*ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ BINDING SITES/ ERYTHROCYTE MEMBRANE, enzymology/ ETHANOLAMINES, metabolism/ ETHANOLAMINES, pharmacodynamics/ IN VITRO/ KINETICS/ \*RECEPTORS, ADRENERGIC, metabolism/ \*RECEPTORS, ADRENERGIC, BETA, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ TURKEYS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
376. Bilezikian JP, Dornfeld AM, Gammon DE:  
Structure-binding-activity analysis of beta-adrenergic amines--I. Binding to the beta receptor and activation of adenylate cyclase. *Biochem Pharmacol* 27(10):1445-54, 15 May 78  
\*ADENYL CYCLASE, metabolism/ ADRENERGIC BETA RECEPTOR AGONISTS, metabolism/ \*ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, metabolism/ \*ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ CATECHOLAMINES, metabolism/ CATECHOLAMINES, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ ERYTHROCYTE MEMBRANE, metabolism/ GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ IN VITRO/ PINDOLOL, analogs & derivatives/ PINDOLOL, diagnostic use/ \*RECEPTORS, ADRENERGIC, metabolism/ \*RECEPTORS, ADRENERGIC, BETA, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ TURKEYS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
377. Billiau A: Effect of interferon on RNA tumor viruses. *Tex Rep Biol Med* 35:406-19, 1977 (26 ref.)  
C-TYPE VIRUSES, drug effects/ CELL DIVISION/ CELL TRANSFORMATION, NEOPLASTIC/ DEFECTIVE VIRUSES, drug effects/ DEXAMETHASONE, pharmacodynamics/ DRUG INTERACTIONS/ DRUG RESISTANCE/ IDOXURIDINE, pharmacodynamics/ \*INTERFERON, pharmacodynamics/ KINETICS/ \*LEUKOVIRUSES, drug effects/ MODELS, BIOLOGICAL/ REVIEW/ TRANSLATION, GENETIC, drug effects/ \*TUMOR VIRUS INFECTIONS, drug therapy/ TUMOR VIRUS INFECTIONS, metabolism/ TUMOR VIRUS INFECTIONS, pathology/ VIRAL PROTEINS, biosynthesis/ VIRUS REPLICATION, drug effects
378. Binder V: Kroniske inflammatoriske tarmsygdomme i barndommen. *Ugeskr Laeger* 140(30):1831-2, 24 Jul 78 (Dan)  
CHILD/ CHRONIC DISEASE/ \*COLITIS, ULCERATIVE/ COLITIS, ULCERATIVE, drug therapy/ COLITIS, ULCERATIVE, surgery/ \*ENTERITIS, REGIONAL/ ENTERITIS, REGIONAL, drug therapy/ ENTERITIS, REGIONAL, surgery/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ SULFAPYRIDINE, therapeutic use
379. Bioulac B, Benezech M, Renaud B, et al: Biogenic amines in 47, XYY syndrome. *Neuropsychobiology* 4(6):366-70, 1978  
ADULT/ AGGRESSION, physiology/ CENTRAL NERVOUS SYSTEM, metabolism/ \*HOMOVANILLIC ACID, cerebrospinal fluid/ HUMAN/ \*HYDROXYINDOLEACETIC ACID, cerebrospinal fluid/ MALE/ \*PHENYLACETATES, cerebrospinal fluid/ PROBENECID, diagnostic use/ SEROTONIN, metabolism/ \*SEX CHROMOSOME ABNORMALITIES, cerebrospinal fluid/ SEX CHROMOSOME ABNORMALITIES, metabolism/ SLEEP STAGES, physiology
380. Bioulac B, Gaffori O, Harris M, et al: Effects of acetylcholine, sodium glutamate and GABA on the discharge of supraoptic neurons in the rat. *Brain Res* 154(1):159-62, 6 Oct 78  
\*ACETYLCHOLINE, pharmacodynamics/ ACTION POTENTIALS, drug effects/ ANIMAL/ ELECTRIC STIMULATION/ FEMALE/ \*GLUTAMATES, pharmacodynamics/ \*GABA, pharmacodynamics/ \*HYPOTHALAMUS, physiology/ MALE/ NEURAL INHIBITION, drug effects/ NEURONS, drug effects/ NEURONS, physiology/ RATS/ SUPRAOPTIC NUCLEUS, drug effects/ \*SUPRAOPTIC NUCLEUS, physiology/ VASOPRESSINS, secretion
381. Biriukovich PV, Sinitskii VN, Usherenko LS:  
Patofiziologicheskie mekhanizmy depressivnykh sostoiianii endogenno i ekzogenno geneza. *Zh Nevropatol Psikhiatr* 78(8):1208-17, 1978 (Eng. Abstr.)  
ADULT/ \*AUTONOMIC NERVOUS SYSTEM, physiopathology/ \*BIOGENIC AMINES, analysis/ \*BRAIN, physiopathology/ CEREBRAL CORTEX, physiopathology/ CHLORPROMAZINE, diagnostic use/ DEPRESSION, blood/ \*DEPRESSION, physiopathology/ DEPRESSION, urine/ DOPA, urine/ DOPAMINE, urine/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ EPINEPHRINE, urine/ FEMALE/ HUMAN/ HYDROXYINDOLEACETIC ACID, urine/ NOREPINEPHRINE, urine/ SEROTONIN, blood/ VASCULAR RESISTANCE
382. Bishop WH: Interaction of gonadotropin subunits: thermodynamic linkage of proton ionization to subunit association. *J Mol Biol* 122(3):379-81, 5 Jul 78  
\*GONADOTROPINS/ HYDROGEN BONDING/ HYDROGEN-ION CONCENTRATION/ LH/ THERMODYNAMICS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
383. El-Bishti MM, Counahan R, Bloom SR, et al: Hormonal and metabolic responses to intravenous glucose in children on regular hemodialysis. *Am J Clin Nutr* 31(10):1865-9, Oct 78  
ADOLESCENCE/ BLOOD SUGAR, metabolism/ CHILD/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ GLUCAGON, blood/ \*GLUCOSE TOLERANCE TEST/ \*HEMODIALYSIS/ HUMAN/ INSULIN, blood/ \*KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY FAILURE, CHRONIC, therapy/ MALE/ SOMATOTROPIN, blood
384. Bishun NP, Reed J, Williams DC: Tissue culture of human breast tumours. *Cytobios* 19(74):101-7, 1977  
\*BREAST NEOPLASMS/ \*CARCINOMA, SCIRRHOSUS/ CELL DIVISION, drug effects/ CELL LINE/ CULTURE MEDIA/ EPITHELIUM, cytology/ EPITHELIUM, drug effects/ ESTRADIOL, pharmacodynamics/ FEMALE/ FIBROBLASTS, cytology/ HUMAN/ \*TISSUE CULTURE, methods
385. Bittman EL: Hamster refractoriness: the role of insensitivity of pineal target tissues. *Science* 202(4368):648-50, 10 Nov 78  
ANIMAL/ \*HAMSTERS, physiology/ LIGHT/ \*MELATONIN, pharmacodynamics/ \*MESOCRINETUS, physiology/ MOTOR ACTIVITY, physiology/ ORGAN WEIGHT, drug effects/ \*PINEAL BODY, physiology/ \*SEASONS TESTIS, anatomy & histology/ \*TESTIS, growth & development/ UNITED STATES GOV'T SUPPORTED, P.H.S.
386. Björkbohm S, Turunen O, Lundqvist C, et al: Stimulation of human fetal lymphocytes by lipopolysaccharide B in culture. Studies on cells circulating in maternal blood. *Acta Pathol Microbiol Scand [C]* 86C(4):159-64, Aug 78  
ADULT/ AGGLUTININS, pharmacodynamics/ CELL SEPARATION/ FEMALE/ FETUS/ HUMAN/ INFANT, NEWBORN/ LEUKOCYTE CULTURE TEST, MIXED/ \*LIPOPOLYSACCHARIDES, pharmacodynamics/ \*LYMPHOCYTE TRANSFORMATION, drug effects/ MALE/ MITOGENS, pharmacodynamics/ PREGNANCY/ SEX DETERMINATION/ UMBILICAL CORD, cytology/ X CHROMOSOME/ Y CHROMOSOME
387. Björkhem I, Kallner A, Karlmar KE: Effects of ascorbic acid deficiency on adrenal mitochondrial hydroxylations in guinea pigs. *J Lipid Res* 19(6):695-704, Aug 78  
\*ADRENAL GLANDS, metabolism/ ANIMAL/ ASCORBIC ACID, metabolism/ CHOLESTEROL DESMOLASE, metabolism/ CHOLESTEROL, metabolism/ COMPARATIVE STUDY/ CORTICOTROPIN, pharmacodynamics/ CYTOCHROME P-450, metabolism/ GUINEA PIG/ HYDROCORTISONE, metabolism/ HYDROXYLATION/ MALE/ \*MITOCHONDRIAL METABOLISM/ \*SCURVY, metabolism
388. Björkhem I, Larsson A: A specific assay of vitamin D-3 in human serum. *Clin Chim Acta* 88(3):559-67, 15 Sep 78  
\*CHOLECALCIFEROLS, blood/ CHOLECALCIFEROLS, radiation effects/



# AUTHOR SECTION

- ERGOCALCIFEROL, blood/ FEMALE/ HUMAN/ MALE/ MASS FRAGMENTOGRAPHY/ SPECTRUM ANALYSIS, MASS/ TIME FACTORS/ ULTRAVIOLET RAYS
- Blanusa M, Bogunovic M, Matkovic V: Kinetic parameters of calcium metabolism and femur morphometry in rats. I. Influence of sex and age. *Pfluegers Arch* 375(3):233-8, Aug 78
- \*AGING/ ANIMAL/ BIOMETRY/ \*BONE AND BONES, anatomy & histology/ \*CALCIUM, metabolism/ COLLAGEN, metabolism/ FEMALE/ FEMUR/ HYDROXYPROLINE, urine/ KINETICS/ MALE/ RATS/ SEX FACTORS
- Blanusa M, Matkovic V, Kostial K: Kinetic parameters of calcium metabolism and femur morphometry in rats. II. Influence of ovariectomy and dietary calcium. *Pfluegers Arch* 375(3):239-44, Aug 78
- ANIMAL/ BODY WEIGHT/ \*BONE AND BONES, anatomy & histology/ BONE AND BONES, analysis/ BONE AND BONES, metabolism/ \*CALCIUM, metabolism/ \*CALCIUM, DIETARY/ CASTRATION/ EATING/ FEMALE/ FEMUR/ KINETICS/ \*OVARY, physiology/ RATS
- Blaustein MP, Ratzlaff RW, Schweitzer ES: Calcium buffering in presynaptic nerve terminals. II. Kinetic properties of the nonmitochondrial Ca sequestration mechanism. *J Gen Physiol* 72(1):43-66, Jul 78
- \*ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ \*CALCIUM, metabolism/ IN VITRO/ KINETICS/ \*ORGANOIDS, metabolism/ RATS/ \*SYNAPTOSOMES, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Blaustein MP, Ratzlaff RW, Kendrick NC, et al: Calcium buffering in presynaptic nerve terminals. I. Evidence for involvement of a nonmitochondrial ATP-dependent sequestration mechanism. *J Gen Physiol* 72(1):15-41, Jul 78
- A-23187, pharmacodynamics/ \*ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ AZIDES, pharmacodynamics/ \*CALCIUM, metabolism/ DINITROPHENOLS, pharmacodynamics/ IN VITRO/ MERSALYL, pharmacodynamics/ \*MITOCHONDRIA, metabolism/ OLIGOMYCIN, pharmacodynamics/ RATS/ RUTHENIUM RED, pharmacodynamics/ \*SYNAPTOSOMES, metabolism/ TETRACAINE, pharmacodynamics/ TRYPSIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Blayney L, Thomas H, Muir J, et al: Action of caffeine on calcium transport by isolated fractions of myofibrils, mitochondria, and sarcoplasmic reticulum from rabbit heart. *Circ Res* 43(4):520-6, Oct 78
- ADENOSINE TRIPHOSPHATASE, CALCIUM, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ \*CAFFEINE, pharmacodynamics/ CALCIUM, analysis/ \*CALCIUM, metabolism/ IN VITRO/ MITOCHONDRIA, HEART, enzymology/ \*MITOCHONDRIA, HEART, metabolism/ MUREXIDE, diagnostic use/ MYOCARDIUM, enzymology/ \*MYOCARDIUM, metabolism/ MYOFIBRILS, enzymology/ \*MYOFIBRILS, metabolism/ OXYGEN CONSUMPTION, drug effects/ RABBITS/ SARCOPLASMIC RETICULUM, enzymology/ \*SARCOPLASMIC RETICULUM, metabolism/ SPECTROPHOTOMETRY
- Blech W: [Regulation of the adenohypophysis by hypothalamic hormones. Biochemistry and physiology of releasing hormones. III. Corticotropin releasing hormone, prolactin releasing hormone, prolactostatin, melanotropin releasing hormone, melanostatin] *Endokrinologie* 71(3):325-36, Mar 78 (86 ref.) (Ger)
- ANIMAL/ \*CORTICOTROPIN RELEASING HORMONE, physiology/ \*HYPOTHALAMUS, physiology/ \*MSH RELEASE INHIBITING HORMONE, physiology/ \*MSH RELEASING HORMONE, physiology/ \*PITUITARY GLAND, ANTERIOR, physiology/ \*PROLACTIN RELEASE INHIBITING HORMONE, physiology/ \*PROLACTIN RELEASING HORMONE, physiology/ REVIEW
- Blech W: Regulation der Adenohypophyse durch hypothalamische Hormone. *Zur Biochemie und Physiologie*
- der Releasinghormone. Teil IV: Somatostatin und Somatotropin-Releasinghormon. *Endokrinologie* 72(1):77-118, Apr 78 (240 ref.) (Ger)
- ANIMAL/ ARGININE, diagnostic use/ COMPARATIVE STUDY/ FSH, blood/ HUMAN/ LH, blood/ ORGAN SPECIFICITY/ \*PITUITARY GLAND, ANTERIOR, physiology/ PROLACTIN, blood/ REVIEW/ \*SOMATOTROPIN RELEASE INHIBITING HORMONE, physiology/ \*SOMATOTROPIN RELEASING HORMONE, physiology/ SPECIES SPECIFICITY/ STRUCTURE-ACTIVITY RELATIONSHIP/ THYROTROPIN, blood
396. Blecher SR: Microscopic epididymides in testicular feminisation. *Nature* 275(5682):748-9, 26 Oct 78
- ANIMAL/ \*EPIDIDYMIS, pathology/ MALE/ MICE/ \*MICE, MUTANT STRAINS, embryology/ TESTICULAR FEMINIZATION, embryology/ TESTICULAR FEMINIZATION, familial & genetic/ \*TESTICULAR FEMINIZATION, pathology/ TESTIS, embryology/ \*TESTIS, pathology
397. Blenkinsopp WK: Parathyroid adenoma [letter] *Br Med J* 2(6133):358, 29 Jul 78
- \*ADENOMA, diagnosis/ HUMAN/ HYPERPARATHYROIDISM, diagnosis/ \*PARATHYROID NEOPLASMS, diagnosis
398. Blickenstaff RT: Steroid hormones linked with cyclophosphamide [proceedings] *Cancer Treat Rep* 62(8):1260, Aug 78
- ANIMAL/ \*CYCLOPHOSPHAMIDE, analogs & derivatives/ CYCLOPHOSPHAMIDE, chemical synthesis/ CYCLOPHOSPHAMIDE, therapeutic use/ MICE/ NEOPLASMS, EXPERIMENTAL, drug therapy/ \*STERIODS, chemical synthesis/ STERIODS, therapeutic use
399. Blizzard DA: The effect of neonatal oil administration on brain weight of inbred and heterogeneous mice. *Dev Psychobiol* 11(5):487-93, Sep 78
- ANIMAL/ ANIMALS, NEWBORN, growth & development/ BODY WEIGHT, drug effects/ BRAIN, drug effects/ \*BRAIN, growth & development/ FEMALE/ MALE/ MICE, INBRED C3H/ MICE, INBRED STRAINS/ \*OILS, pharmacodynamics/ ORGAN WEIGHT, drug effects/ SESAME OIL, pharmacodynamics/ SEX FACTORS/ TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
400. Bloch B, Davies AH: Evaluation of a combined oestrogen-progesterone injectable contraceptive. *S Afr Med J* 53(21):846-7, 27 May 78
- ADOLESCENCE/ ADULT/ BLOOD PRESSURE, drug effects/ DRUG COMBINATIONS/ DRUG EVALUATION/ \*ESTRADIOL, analogs & derivatives/ ESTRADIOL, administration & dosage/ ESTRADIOL, adverse effects/ ESTROGENS, SYNTHETIC, adverse effects/ FEMALE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ \*MEDROXYPROGESTERONE, administration & dosage/ MEDROXYPROGESTERONE, adverse effects/ MENSTRUATION DISORDERS, chemically induced
401. Block LH, Aloni B, Biemesderfer D, et al: Macrophage migration inhibition factor: interactions with calcium, magnesium, and cyclic AMP. *J Immunol* 121(4):1416-21, Oct 78
- A-23187, pharmacodynamics/ \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ BINDING SITES/ CALCIUM, metabolism/ \*CALCIUM, pharmacodynamics/ CATIONS, DIVALENT/ CELL MEMBRANE, immunology/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ GUINEA PIGS/ HUMAN/ \*MACROPHAGES, immunology/ MACROPHAGES, ultrastructure/ \*MAGNESIUM, pharmacodynamics/ \*MIGRATION INHIBITORY FACTOR, pharmacodynamics
402. Blohm TR, Laughlin ME: Androgen metabolism in adipose tissue: conversion of 5alpha-dihydrotestosterone to 3alpha-androstenediol by hamster tissue. *J Steroid Biochem* 9(7):603-8, Jul 78
- \*ADIPOSE TISSUE, metabolism/ \*ANDROSTANEDIOL, metabolism/ \*ANDROSTANES, metabolism/ ANIMAL/ GUINEA PIGS/ MALE/ MESOCRINETUS/ ORGAN

# AUTHOR SECTION

- SPECIFICITY/ \*STANOLONE, metabolism
403. Blomquist CH, Kotts CE, Hakanson EY: Modification of the kinetic properties of 5-ene, 3beta-hydroxysteroid dehydrogenase of human placental microsomes by hydrogen peroxide and 2-mercaptoethanol. *J Steroid Biochem* 9(7):685-90, Jul 78  
FEMALE/ HUMAN/ \*HYDROGEN PEROXIDE, pharmacodynamics/ KINETICS/  
\*MERCAPTOETHANOL, pharmacodynamics/ MICROSOMES, drug effects/ MICROSOMES, enzymology/ \*PLACENTA, enzymology/ PREGNANCY/ PREGNENOLONE/  
\*TESTOSTERONE DEHYDROGENASES, metabolism/ \*17-HYDROXYSTEROID DEHYDROGENASES, metabolism
  404. Blonk DI, Talerman A, Visser-van Dijk MN: The cytology of medullary carcinoma of the thyroid with spindle cell pattern. *Arch Geschwulstforsch* 48(4):313-7, 1978  
AGED/ AMYLOID, analysis/ CALCITONIN, blood/  
\*CARCINOMA, pathology/ CASE REPORT/ HUMAN/ MALE/ \*THYROID NEOPLASMS, pathology
  405. Bloom SR, Edwards AV: Certain pharmacological characteristics of the release of pancreatic glucagon in response to stimulation of the splanchnic nerves. *J Physiol (Lond)* 280:25-35, Jul 78  
ADRENALECTOMY/ ANIMAL/ ATROPINE, pharmacodynamics/ CATTLE/ DOGS/ GLUCAGON, blood/ \*GLUCAGON, secretion/ INSULIN, pharmacodynamics/ PANCREAS, drug effects/ PANCREAS, innervation/ \*PANCREAS, secretion/ PHENTOLAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ SECRETORY RATE, drug effects/ SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics/  
\*SPLANCHNIC NERVES, physiology
  406. Bloomer WD, Adelstein SJ: 5-(125I)-iododeoxyuridine in experimental tumor therapy. pp. 177-83. In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
ANIMAL/ FEMALE/ \*IDOXURIDINE, therapeutic use/ \*IODINE RADIOISOTOPES, therapeutic use/ MICE/ MONOGRAPH/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, drug therapy/ NEOPLASMS, EXPERIMENTAL, radiotherapy/ OVARIAN NEOPLASMS, drug therapy/ \*OVARIAN NEOPLASMS, radiotherapy/ TRANSPLANTATION, ALLOGENEIC/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  407. Blosser JC, Myers PR, Shain W: Neurotransmitter modulation of prostaglandin E1-stimulated increases in cyclic AMP. I. Characterization of a cultured neuronal cell line in exponential growth phase. *Biochem Pharmacol* 27(8):1167-72, 1978  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ CARBACHOL, pharmacodynamics/ CELL LINE/ CLONE CELLS/ DOPAMINE, pharmacodynamics/ DRUG INTERACTIONS/  
\*NEUROHUMORS, pharmacodynamics/ NEURONS, drug effects/ NEURONS, growth & development/  
\*NEURONS, metabolism/ NOREPINEPHRINE, pharmacodynamics/ \*PROSTAGLANDINS E, pharmacodynamics/ TIME FACTORS
  408. Bloxam DL, Curzon G: A study of proposed determinants of brain tryptophan concentration in rats after portocaval anastomosis or sham operation. *J Neurochem* 31(5):1255-63, Nov 78  
AMINO ACIDS, blood/ ANIMAL/ BIOLOGICAL TRANSPORT/ BLOOD-BRAIN BARRIER/ BODY WEIGHT/ \*BRAIN, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ KINETICS/ LIVER, physiology/ MALE/  
\*PORTACAVAL ANASTOMOSIS/ RATS/ SEROTONIN, metabolism/ \*TRYPTOPHAN, metabolism
  409. Bluet-Pajot MT, Schaub C: Incidence des anesthésiques sur la sécrétion basale de l'hormone de croissance immunoréactive chez le rat. *C R Acad Sci [D] (Paris)* 286(23):1707-10, 12 Jun 78 (Eng. Abstr.) (Fre)  
\*ANESTHETICS, pharmacodynamics/ ANIMAL/ BLOOD SUGAR, metabolism/ CHLORAL HYDRATE, pharmacodynamics/ ENGLISH
  - ABSTRACT/ HYDROXYBUTYRATES, pharmacodynamics/ MALE/ PITUITARY GLAND, drug effects/ RATS/ \*SOMATOTROPIN, secretion/ TIME FACTORS/ URETHANE, pharmacodynamics
  410. Blume CD, Mawhinney MG: Estrophilic molecules in the guinea pig. *J Steroid Biochem* 9(6):515-25, Jun 78  
ANIMAL/ BINDING SITES/ CYANIDES, pharmacodynamics/ CYTOSOL, metabolism/ EPITHELIUM, metabolism/ \*ESTRADIOL, metabolism/ GUINEA PIGS/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ MUSCLES, metabolism/ PANCREAS, metabolism/ PROSTATE, metabolism/ SEMINAL VESICLES, metabolism/ TESTIS, metabolism/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  411. Blume HW, Pittman QJ, Renaud LP: Electrophysiological indications of a 'vasopressinergic' innervation of the eminence. *Brain Res* 155(1):153-8, 20 Oct 78  
ANIMAL/ AXOPLASMIC FLOW/ EVOKED POTENTIALS/  
\*HYPOTHALAMO-HYPOPHYSAL SYSTEM, physiology/ HYPOTHALAMUS, MEDIAL, physiology/ MALE/ \*MEDIAN EMINENCE, physiology/ NEURAL PATHWAYS, physiology/ NEURONS, physiology/ PARAVENTRICULAR NUCLEUS, physiology/ PITUITARY GLAND, POSTERIOR, innervation/ PREOPTIC AREA, physiology/ RATS/ \*VASOPRESSINS, metabolism
  412. Blumenkrantz N, Asboe-Hansen G: Fibrodysplasia ossificans progressiva. Biochemical changes in blood serum, urine, bone, and ectopic ossification. *Scand J Rheumatol* 7(2):1978  
ADOLESCENCE/ ADULT/ ALKALINE PHOSPHATASE, blood/ \*BONE AND BONES, metabolism/ CALCIUM, urine/ COLLAGEN, metabolism/ FEMALE/ HUMAN/ HYDROXYLYSINE, metabolism/ HYDROXYLYSINE, urine/ HYDROXYPROLINE, metabolism/ HYDROXYPROLINE, urine/ \*MYOSITIS OSSIFICANS, metabolism/ PHOSPHATES, blood/ POTASSIUM, urine/ \*SODIUM, urine/ URONIC ACIDS, WATER-ELECTROLYTE BALANCE
  413. Boado R, Brown TJ, Bromage NR, et al: Triiodothyronine metabolism in diabetic rats. *Acta Endocrinol (Copenh)* 89(2):323-8, Oct 78  
ANIMAL/ DIABETES MELLITUS, EXPERIMENTAL, drug therapy/ \*DIABETES MELLITUS, EXPERIMENTAL, metabolism/ ERYTHROCYTES, metabolism/ INSULIN, therapeutic use/ MALE/ RATS/ TRIIODOTHYRONINE, blood/  
\*TRIIODOTHYRONINE, metabolism
  414. Boczkowski K: Mapowanie chromosomu Y. *Pol Tyg Lek* 33(36):1429-31, 4 Sep 78  
ANIMAL/ CHROMOSOME MAPPING/ FEMALE/ H-Y ANTIGEN/ HUMAN/ MALE/ MICE/ \*CHROMOSOMES/ SEX DETERMINATION/ DIFFERENTIATION/ TURNER'S SYNDROME, familial & genetic/ \*Y CHROMOSOME
  415. Bodwin JS, Clair T, Cho-Chung YS: Inverse relation between estrogen receptors and cyclic adenosine 3':5'-monophosphate-binding proteins in hormone-dependent mammary tumor regression due to dibutyryl cyclic adenosine 3':5'-monophosphate treatment after ovariectomy. *Cancer Res* 38(10):3410-3, Oct 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CASTRATION/ CELL NUCLEUS, metabolism/ CYTOPLASM, metabolism/ \*DIBUTYRYL CYCLIC AMP, therapeutic use/ FEMALE/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ \*MAMMARY NEOPLASMS, EXPERIMENTAL, therapy/ \*NEOPLASM PROTEINS, metabolism/ NEOPLASMS, HORMONE-DEPENDENT, chemically induced/ NEOPLASMS, HORMONE-DEPENDENT, metabolism/ \*NEOPLASMS, HORMONE-DEPENDENT, therapy/ PROTEIN KINASE, metabolism/ RATS/ \*RECEPTORS, CYCLIC AMP/ \*RECEPTORS, ESTROGEN/ REMISSION/ 9,10-DIMETHYL-1,2-BENZANTHRACENE
  416. Boelen HJ, Verhoeven AT: Een patiënte met ernstige



## AUTHOR SECTION

- slikklachten na behandeling met cytostatica.  
 Ned Tijdschr Geneesk 122(34):1262-3, 26 Aug 78 (Dut)  
 CASE REPORT/ \*CYCLOPHOSPHAMIDE, adverse effects/ CYCLOPHOSPHAMIDE, therapeutic use/ \*CYSTADENOMA, PAPILLARY, drug therapy/ \*DEGLUTITION DISORDERS, etiology/ \*ESOPHAGITIS, chemically induced/ ESOPHAGITIS, complications/ FEMALE/ HUMAN/ MIDDLE AGE/ \*OVARIAN NEOPLASMS, drug therapy
17. Bogdahova EA, Safaraliev AR, Tkachenko NM:  
 Nedostatochnost' funktsii gipotalamicheskikh tsentrov kak prichina pervichnoi amenorei. Akush Ginekolog (Mosk) (8):24-7, Aug 78 (Eng. Abstr.) (Rus)  
 ADOLESCENCE/ ADULT/ \*AMENORRHEA, etiology/ AMENORRHEA, physiopathology/ ENGLISH ABSTRACT/ ESTROGENS, blood/ FEMALE/ GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ \*HYPOTHALAMUS, physiopathology/ LH-FSH RELEASING HORMONE, diagnostic use/ SEX MATURATION
18. Bogdanov FP: Kliniko-biokhimicheskie pokazateli krovi u svinomatok. Veterinariia (9):72-4, Sep 78 (Rus)  
 ANIMAL/ FEMALE/ LACTATION/ PREGNANCY/ SEASONS/ \*SWINE, blood/ TIME FACTORS
19. Bogdarin IaA: Sposob opredeleniia testosterona v krovi na gazovom khromatografe 'Tsvet-104' s detektorom postoiannoi skorosti rekombinatsii. Probl Endokrinol (Mosk) 24(5):48-52, Sep-Oct 78 (Eng. Abstr.) (Rus)  
 ADULT/ \*CHROMATOGRAPHY, GAS, instrumentation/ CHROMATOGRAPHY, GAS, methods/ CHROMATOGRAPHY, THIN LAYER, methods/ ENGLISH ABSTRACT/ HUMAN/ MALE/ \*TESTOSTERONE, blood/ VEINS
20. Böhm N, Fukuda M, Staudt R, et al: Chondroectodermal dysplasia (Ellis-van Creveld syndrome) with dysplasia of renal medulla and bile ducts. Histopathology 2(4):267-81, Jul 78  
 \*BILE DUCTS, pathology/ BONE AND BONES, pathology/ CASE REPORT/ CHILD, PRESCHOOL/ \*ELLIS-VAN CREVELD SYNDROME, pathology/ HUMAN/ \*KIDNEY MEDULLA, pathology/ MALE
21. Böhm P, Fenske M, Häffele R, et al: Limited significance of the LRH test in the diagnosis of ovarian dysfunction. Acta Endocrinol (Copenh) 89(3):438-44, Nov 78  
 ADOLESCENCE/ ADRENOGENITAL SYNDROME, diagnosis/ ADRENOGENITAL SYNDROME, physiopathology/ ADULT/ \*AMENORRHEA, diagnosis/ AMENORRHEA, physiopathology/ ANOREXIA NERVOSA, etiology/ ANOREXIA NERVOSA, physiopathology/ \*ANOVULATION, diagnosis/ ANOVULATION, physiopathology/ FEMALE/ HIRSUTISM, etiology/ HIRSUTISM, physiopathology/ HUMAN/ LH, blood/ LH, secretion/ \*LH-FSH RELEASING HORMONE, diagnostic use/ OLIGOMENORRHEA, diagnosis/ OLIGOMENORRHEA, physiopathology/ \*OVARY, physiopathology/ STERILITY, FEMALE, diagnosis/ STERILITY, FEMALE, physiopathology
22. Bohnet HG, Friesen HG: Control of prolactin secretion in man. Curr Top Mol Endocrinol 3:257-81, 1976 (143 ref.)  
 ANIMAL/ BIOLOGICAL ASSAY/ BREAST NEOPLASMS, etiology/ BREAST NEOPLASMS, metabolism/ ERGOT ALKALOIDS, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FEMALE/ FETAL BLOOD, metabolism/ GALACTORRHEA, etiology/ GALACTORRHEA, metabolism/ HUMAN/ LACTATION/ MALE/ PITUITARY NEOPLASMS, secretion/ PREGNANCY/ \*PROLACTIN/ PROLACTIN, analysis/ PROLACTIN, physiology/ PROLACTIN, secretion/ PROSTAGLANDINS, pharmacodynamics/ REVIEW/ SEX FACTORS
23. Boisen E, Rasmussen L: Tremor in XYY and XXY men. Acta Neurol Scand 58(1):66-73, Jul 78  
 CLINICAL RESEARCH/ DOUBLE-BLIND METHOD/ DRUGS, urine/ ELECTROENCEPHALOGRAPHY, instrumentation/ HUMAN/ MALE/ METHODS/ NEUROLOGIC EXAMINATION, instrumentation/ \*SEX CHROMOSOME ABNORMALITIES/ TREMOR, diagnosis/ \*TREMOR, familial & genetic
424. Boitieux JL, Desmet G, Thomas D: Détermination potentiométrique de l'antigène de surface de l'hépatite B dans les liquides biologiques. Clin Chim Acta 88(2):329-36, 1 Sep 78 (Eng. Abstr.) (Fre)  
 ANTIBODIES/ ELECTRODES/ ENGLISH ABSTRACT/ \*HEPATITIS B SURFACE ANTIGEN, analysis/ HUMAN/ IODIDES, analysis/ LIGHT/ MEMBRANES, ARTIFICIAL/ METHODS/ PEROXIDASES, metabolism/ POTENTIOMETRY/ SPECTROPHOTOMETRY
425. Bokkenheuser VD, Winter J, Kelly WG: Metabolism of biliary steroids by human fecal flora. Am J Clin Nutr 31(10 Suppl):S221-S226, Oct 78  
 BACTERIA, metabolism/ BILE ACIDS AND SALTS, metabolism/ \*BILE, metabolism/ FECEs, metabolism/ \*FECEs, microbiology/ HUMAN/ \*STERIODS, metabolism
426. Bolin FP, Preuss LE: Optimum photon energies for the measurement of bone mineral and fat fractions. Br J Radiol 51(609):750, Sep 78  
 \*ADIPOSE TISSUE, anatomy & histology/ \*BONE AND BONES, anatomy & histology/ \*ELEMENTARY PARTICLES
427. Bollack C, Weill A, Westphal L, et al: Considérations actuelles sur les stérilités sécrétoires. Helv Chir Acta 45(3):323-8, Jul 78 (Eng. Abstr.) (Fre)  
 CHROMOSOME ABERRATIONS/ CLOMIPHENE, therapeutic use/ CRYPTORCHISM, complications/ ENGLISH ABSTRACT/ ESTROGENS, secretion/ HUMAN/ MALE/ \*OLIGOSPERMIA, complications/ SEX CHROMOSOMES/ SPERMATOGENESIS, drug effects/ \*STERILITY, MALE, etiology/ STERILITY, MALE, familial & genetic/ TAMOXIFEN, therapeutic use/ TESTIS, pathology/ VARICOCELE, complications
428. Bolte HD: Therapie mit Beta-Rezeptorenblockern. MMW 120(44):1461-6, 3 Nov 78 (Eng. Abstr.) (Ger)  
 ADRENERGIC BETA RECEPTOR BLOCKADERS, adverse effects/ \*ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ ARRHYTHMIA, drug therapy/ BRONCHIAL SPASM, chemically induced/ CORONARY DISEASE, drug therapy/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ HUMAN/ HYPERTENSION, drug therapy/ HYPERTHYROIDISM, drug therapy/ HYPOTENSION, chemically induced/ MYOCARDIAL DISEASES, chemically induced
429. Bonanno A, Tonini GM, de Marinis S: Observations cliniques sur l'emploi d'un nouveau sel organique d'aluminium dans l'urémie en cours de traitement dialytique. Urol Int 33(4):213-21, 1978 (Eng. Abstr.) (Fre)  
 ADULT/ \*ALUMINUM, therapeutic use/ CALCIUM, blood/ ENGLISH ABSTRACT/ FEMALE/ GLUCONATES/ \*HEMODIALYSIS/ HUMAN/ MALE/ MIDDLE AGE/ PHOSPHATES, blood/ RENAL OSTEODYSTROPHY, blood/ RENAL OSTEODYSTROPHY, drug therapy/ TROMETHAMINE, analogs & derivatives/ UREMIA, blood/ \*UREMIA, drug therapy
430. Bondar PN, Raiko TE: Oshibki v diagnostike addisonovoi bolezni. Vrach Delo (6):110-1, Jun 78 (Eng. Abstr.) (Rus)  
 \*ADDISON'S DISEASE, diagnosis/ ADULT/ AGED/ DIAGNOSTIC ERRORS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE
431. Bondarenko ES, Mizikova IZ: Kompleksnaia terapiia demieliniziruiushchikh zabolevaniu nervnoi sistemy u detei i podrostkov. Sov Med (7):74-9, Jul 78 (Eng. Abstr.) (Rus)  
 ADOLESCENCE/ CHILD/ ENGLISH ABSTRACT/ GLUCOCORTICOIDs, therapeutic use/ HORMONES, therapeutic use/ HUMAN/ \*MULTIPLE SCLEROSIS, drug therapy/ \*SUBACUTE SCLEROSING PANENCEPHALITIS, drug therapy
432. Bongso TA, Wettimuny SG, Edirisinghe R, et al: Determination of fetal sex in cattle by cytologic examination of amniotic fluid. Am J Vet Res 39(9):1545-6, Sep 78  
 \*AMNIOTIC FLUID, cytology/ ANIMAL/ CATTLE, anatomy & histology/ \*CATTLE, physiology/ FEMALE/ FETUS, anatomy & histology/ \*FETUS, physiology/ GESTATIONAL AGE/

# AUTHOR SECTION

## PREGNANCY/ \*SEX DETERMINATION

433. Bonilla CA, Mullnix JA, Pyle RL: Venom proteins in experimental cardiology. 1. Hemodynamic and metabolic effects of dexamethasone in normal and low cardiac output shock in the absence of coronary artery occlusion [proceedings] *Toxicol Suppl* 1(1):429-30, 1978  
ANIMAL/ CARDIAC OUTPUT/  
\*DEXAMETHASONE, pharmacodynamics/  
\*HEMODYNAMICS, drug effects/ SHOCK, metabolism/ \*SHOCK, physiopathology
434. Bonnard GD, Lippman ME: Induction de récepteurs des hormones glucocorticoïdes dans des cultures continues de lymphocytes T humains. *Schweiz Med Wochenschr* 108(41):1603, 14 Oct 78 (Eng. Abstr.) (Fre)  
CELLS, CULTURED/ CULTURE MEDIA/  
ENGLISH ABSTRACT/ GLUCOCORTICOIDS, metabolism/ HUMAN/ LECTINS/ \*RECEPTORS, HORMONE/ \*T-LYMPHOCYTES, metabolism
435. Bonomi PD, Slayton RE, Wolter J: Phase II trial adriamycin and cis-dichlorodiammineplatinum(II) in squamous cell, ovarian, and testicular carcinomas. *Cancer Treat Rep* 62(8):1211-3, Aug 78  
\*CARCINOMA, EPIDERMAL, drug therapy/  
CLINICAL RESEARCH/ \*DIAMMONIUM  
CHLOROPLATINUM COMPOUNDS, therapeutic use/ DOXORUBICIN, administration & dosage/  
DOXORUBICIN, adverse effects/ \*DOXORUBICIN, therapeutic use/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ MALE/ \*OVARIAN NEOPLASMS, drug therapy/  
PLATINUM DIAMMINODICHLORIDE, administration & dosage/ PLATINUM DIAMMINODICHLORIDE, adverse effects/  
\*PLATINUM DIAMMINODICHLORIDE, therapeutic use/ \*TESTICULAR NEOPLASMS, drug therapy
436. Bons N, Kerdellhué B, Assenmacher I: Mise en évidence d'un deuxième système neurosécrétoire à LH-RH dans l'hypothalamus du canard. *C R Acad Sci [D] (Paris)* 287(3):145-8, 17 Jul 78 (Eng. Abstr.) (Fre)  
ANIMAL/ \*DUCKS, anatomy & histology/ ENGLISH ABSTRACT/ FLUORESCENT ANTIBODY TECHNIQUE/ \*HYPOTHALAMUS, anatomy & histology/ \*LH-FSH RELEASING HORMONE, secretion/ MALE/ MEDIAN EMINENCE, anatomy & histology/ PREOPTIC AREA, anatomy & histology
437. Bonta IL, Parnham MJ: Prostaglandins and chronic inflammation. *Biochem Pharmacol* 27(12):1611-23, 1978 (160 ref.)  
ANIMAL/ ARTHRITIS, metabolism/  
B-LYMPHOCYTES, drug effects/ BONE AND BONES, metabolism/ CALCIUM, metabolism/  
CAPILLARY PERMEABILITY, drug effects/  
CARTILAGE, metabolism/ CHRONIC DISEASE/  
COLLAGEN, metabolism/ DISEASE MODELS, ANIMAL/ FIBROBLASTS, drug effects/  
GLYCOSAMINOGLYCANS, metabolism/  
GRANULOMA, metabolism/ HUMAN/ IN VITRO/  
PAIN, physiopathology/ PLATELET AGGREGATION, drug effects/  
PROSTAGLANDINS, metabolism/  
PROSTAGLANDINS, pharmacodynamics/  
\*PROSTAGLANDINS, physiology/ REVIEW/  
T-LYMPHOCYTES, drug effects/ VASODILATION, drug effects
438. Booth A, Welch S: Stress, health, and political participation. *Soc Biol* 25(2):102-14, Summer 78  
ADULT/ BODY HEIGHT/ ENDOCRINE GLANDS, physiopathology/ FEMALE/ \*HEALTH/ HUMAN/ INFECTION, occurrence/ MALE/ ONTARIO/  
\*POLITICS/ PSYCHOPHYSIOLOGIC DISORDERS, occurrence/ \*STRESS, PSYCHOLOGICAL, physiopathology
439. Booth DA: Neurochemistry of appetite mechanisms. *Proc Nutr Soc* 37(2):181-91, Sep 78  
AMINO ACIDS, deficiency/ ANIMAL/ \*APPETITE, physiology/ BRAIN, physiology/ DIETARY CARBOHYDRATES/ DIETARY PROTEINS/  
EPINEPHRINE, physiology/ \*FOOD PREFERENCES/ HUMAN/ HYPOTHALAMUS, physiology/ ISOLEUCINE, deficiency/  
NOREPINEPHRINE, physiology/ RATS/  
SEROTONIN, physiology/ SODIUM/ VALINE, deficiency/ VITAMINS
440. Booth KK, Ghoshal NG: Atypical thyroid follicles arising from an ultimobranchial-like cyst in a postnatal canine thyroid gland. *Acta Anat (Basel)* 102(4):405-10, 1978  
ANIMAL/ CYSTS, pathology/ \*CYSTS, veterinary/  
\*DOG DISEASES, pathology/ DOGS/ MALE/  
THYROID DISEASES, pathology/ \*THYROID DISEASES, veterinary/ \*THYROID GLAND, pathology/ \*ULTIMOBANCHIAL BODY, pathology
441. Bopp J, Dumoulin G, Henriet MT, et al: Adaptations de la régulation glycémique au cours de l'activité musculaire. Effets de l'entraînement. *C R Soc Biol (Paris)* 172(2):245-50, 1978 (Eng. Abstr.) (F)  
\*ADAPTATION, PHYSIOLOGICAL/  
ADOLESCENCE/ ADULT/ \*BLOOD SUGAR, metabolism/ ENGLISH ABSTRACT/ \*EXERCISE, FATTY ACIDS, NONESTERIFIED, blood/  
FEMALE/ HUMAN/ HYDROCORTISONE, blood/  
INSULIN, blood/ MALE/ PHYSICAL EDUCATION AND TRAINING/ SOMATOTROPIN, blood
442. Borchard U, Drouin H: Effects of the antituberculous agent ethambutol on myelinated nerve. *Eur J Pharmacol* 50(4):307-16, 15 Aug 78  
ACTION POTENTIALS, drug effects/ ANIMAL/  
CALCIUM, metabolism/ \*ETHAMBUTOL, pharmacodynamics/ FROGS/ IN VITRO/  
MEMBRANE POTENTIALS, drug effects/ \*NERVE FIBERS, MYELINATED, drug effects/ NERVE FIBERS, MYELINATED, metabolism/ POTASSIUM, metabolism/ RANA ESCULENTA/ RANVIER'S NODES, drug effects/ SCIATIC NERVE, drug effects/ SODIUM, metabolism
443. Borchardt RT, Olsen J, Eiden L, et al: The isolation and characterization of the methyl acceptor protein from adrenal chromaffin granules. *Biochem Biophys Res Commun* 83(3):970-6, 14 Aug 78  
\*ADRENAL MEDULLA, analysis/ AMINO ACIDS, analysis/ ANIMAL/ CATTLE/ \*CHROMAFFIN GRANULES, analysis/ \*CHROMAFFIN SYSTEM, analysis/ \*CHROMOGRANINS/  
CHROMOGRANINS, isolation & purification/  
COMPARATIVE STUDY/ DOPAMINE BETA-HYDROXYLASE, analysis/ \*NERVE TISSUE PROTEINS/ NERVE TISSUE PROTEINS, isolation & purification/ PROTEIN O-METHYLTRANSFERASE, metabolism/ UNIT STATES GOVT SUPPORTED, P.H.S.
444. Borisenko NA, Medvedev VN, Lobyntsev KS: Mestnye faktory povrezhdeniya slizistoi obolochki zheludka antirevmaticheskimi sredstvami. *Klin Med (Mosk)* 56(8):115-9, Aug 78 (Eng. Abstr.) (R)  
\*ASPIRIN, adverse effects/ ENGLISH ABSTRACT/  
\*GASTRIC MUCOSA, drug effects/ HUMAN/  
\*PHENYLBUTAZONE, adverse effects/  
\*PREDNISOLONE, adverse effects
445. Borle AB: On the difficulty of assessing the role of extracellular calcium in cell function. *Ann NY Acad Sci* 307:431-2, Apr 78  
ANIMAL/ BIOLOGICAL TRANSPORT, ACTION, drug effects/ \*CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CELL MEMBRANE, metabolism/  
\*EXTRACELLULAR SPACE, metabolism/ IN VITRO/ IONOPHORES, pharmacodynamics
446. Born GV, Dearnley R, Foulks JG, et al: Quantification of morphological reaction of platelets to aggregating agents of its reversal by aggregation inhibitors. *J Physiol (Lond)* 280:193-212, Jul 78  
\*ADENOSINE DIPHOSPHATE, pharmacodynamics/  
ADENOSINE TRIPHOSPHATE, pharmacodynamics/  
ADENOSINE, analogs & derivatives/ ADENOSINE, pharmacodynamics/ ANIMAL/ \*BLOOD PLATELETS, drug effects/ BLOOD PLATELET ultrastructure/ EDTA, pharmacodynamics/ EGTA, pharmacodynamics/ MICROSCOPY, ELECTRON/ PHOTOMETRY/ \*PLATELET AGGREGATION, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/  
RABBITS/ \*SEROTONIN, pharmacodynamics
447. Börner P: Prävention spezieller Komplikationen bei gynäkologischen Operationen. *Fortschr Med* 96(33):166-7, Sep 78  
ADHESIONS/ CAPILLARY PERMEABILITY, drug effects/ DRAINAGE/ ESTRIOL, therapeutic use/  
FEMALE/ \*HEMORRHAGE, prevention & control/  
HUMAN/ \*HYSTERECTOMY/ INTESTINAL OBSTRUCTION, prevention & control/



## AUTHOR SECTION

- PERITONEAL DISEASES, prevention & control/  
POSTOPERATIVE COMPLICATIONS/  
\*SURGICAL WOUND INFECTION, prevention & control
8. Börner W: Möglichkeiten und Grenzen der Skelettszintigraphie. *Z Orthop* 116(4):489-93, Aug 78 (Ger)  
\*BONE AND BONES, radionuclide imaging/  
GONADS, radiation effects/ HUMAN/  
PHOSPHATES/ PHOSPHONIC ACIDS/  
TECHNETIUM
9. Borowitz JL: Interactions of metallic cations with calcium in adrenomedullary secretion. *Ann NY Acad Sci* 307:645-7, 28 Apr 78  
ADRENAL MEDULLA, drug effects/ \*ADRENAL MEDULLA, secretion/ ANIMAL/ CALCIUM, pharmacodynamics/ \*CALCIUM, physiology/  
\*CATECHOLAMINES, secretion/ CATIONS/  
CATTLE/ DRUG SYNERGISM/ IN VITRO/  
\*METALS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
10. Borrell J, Piva F, Martini L: Adrenergic and cholinergic inputs to the amygdala: role in gonadotropin secretion. *Curr Top Mol Endocrinol* 3:37-50, 1976  
AMYGDALOID BODY, drug effects/  
\*AMYGDALOID BODY, physiology/ ANIMAL/  
CASTRATION/ DRUG IMPLANTS/ FEMALE/  
\*FSH, secretion/ \*LH, secretion/ \*NEOSTIGMINE, pharmacodynamics/ \*PIMOZIDE, pharmacodynamics/  
RATS/ RECEPTORS, ADRENERGIC, ALPHA, physiology/ RECEPTORS, ADRENERGIC, BETA, physiology/ RECEPTORS, CHOLINERGIC, physiology/ RECEPTORS, DOPAMINE, physiology/  
\*SYMPATHOLYTICS, pharmacodynamics/  
\*2-BROMOERGOCRYPTINE, pharmacodynamics
1. Børresen HC: Amming, morsmelk og perinatal medisin. *Tidsskr Nor Lægeforen* 98(29):1425-7, 20 Oct 78 (Eng. Abstr.) (Nor)  
\*BREAST FEEDING/ CONTRACEPTION/  
ENGLISH ABSTRACT/ FEMALE/ FREEZING/  
HUMAN/ IMMUNITY, PASSIVE/ INFANT,  
NEWBORN/ LACTATION/ \*MILK, HUMAN/  
MILK, HUMAN, immunology/ MOTHER-CHILD  
RELATIONS/ PREGNANCY
2. Borucki LJ, Levenson D, Hollenberg NK: Cardiovascular responses to blockade of angiotensin and alpha-adrenergic receptors. *Am J Physiol* 235(3):F199-202, Sep 78  
ANIMAL/ BLOOD PRESSURE/ \*CARDIAC OUTPUT/ COMPARATIVE STUDY/ FEMALE/  
PHENOXYBENZAMINE, pharmacodynamics/  
RABBITS/ \*RECEPTORS, ADRENERGIC, physiology/ \*RECEPTORS, ADRENERGIC, ALPHA, physiology/ \*RECEPTORS, ANGIOTENSIN, physiology/ \*RECEPTORS, HORMONE, physiology/ SARALASIN, pharmacodynamics/ SHOCK/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*VASCULAR RESISTANCE
3. Borys HK: A procedure for examining the formation of radioactive 1-methyladenine by starfish ovarian tissue. *Anal Biochem* 88(1):245-55, 15 Jul 78  
\*ADENINE, analogs & derivatives/ ADENINE, biosynthesis/ ANIMAL/ CARBON RADIOISOTOPES/ FEMALE/ ISOTOPE LABELING, methods/ KINETICS/ \*OVARY, metabolism/ STARFISH/ TRITIUM/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4. Bos A, Wever R, Roos D: Characterization and quantification of the peroxidase in human monocytes. *Biochim Biophys Acta* 525(1):37-44, 7 Jul 78  
COMPARATIVE STUDY/ DIANISIDINE, metabolism/ ELECTRON SPIN RESONANCE/  
GRANULOCYTES, enzymology/ HUMAN/  
HYDROGEN PEROXIDE, metabolism/  
HYDROGEN-ION CONCENTRATION/ IODIDES, metabolism/ \*MONOCYTES, enzymology/  
MYELOPEROXIDASE, blood/ \*PEROXIDASES, blood/ ZYMOSAN, metabolism
55. Boscalino N, Esposito S, Romano C, et al: Studio istomorfolgico ed istogenetico sui mesenchimomi mascolinnzzanti dell'ovaio. *Arch De Vecchi Anat Patol* 135(3):359-68, Jul-Sep 78 (Ita)  
ADULT/ \*ARRHENOBlastoma, pathology/  
CASE REPORT/ FEMALE/ HUMAN/  
\*MESENCHYMOMA, pathology/ \*OVARIAN NEOPLASMS, pathology/ OVARY, pathology
456. Bose AK, Fujiwara H, Pramanik BN, et al: Some aspects of chemical ionization mass spectroscopy using ammonia as reagent gas: a valuable technique for biomedical and natural products studies. *Anal Biochem* 89(1):284-91, 15 Aug 78  
\*AMMONIA/ BILE ACIDS AND SALTS, analysis/  
BLOOD CHEMICAL ANALYSIS/  
PROSTAGLANDINS, analysis/ \*SPECTRUM ANALYSIS, MASS, methods/ TUBOCURARINE, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
457. Bottazzo GF, Doniach D: Pituitary autoimmunity: a review. *J R Soc Med* 71(6):433-6, Jun 78  
ANTIBODY SPECIFICITY/ AUTOANTIBODIES, isolation & purification/ \*AUTOIMMUNE DISEASES/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ \*PITUITARY DISEASES, immunology
458. Bottenstein JE, de Vellis J: Regulation of cyclic GMP, cyclic AMP and lactate dehydrogenase by putative neurotransmitters in the C6 rat glioma cell line. *Life Sci* 23(8):821-34, 28 Aug 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ CATECHOLAMINES, pharmacodynamics/ CELL LINE/ GLIOMA, enzymology/ \*GLIOMA, metabolism/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/  
\*LACTATE DEHYDROGENASE, metabolism/  
\*NEUROHUMORS, pharmacodynamics/  
PSYCHOTROPIC DRUGS, pharmacodynamics/  
RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
459. Boudier HS, Smeets G, Brouwer G, et al: Localization of central noradrenergic mechanisms in cardiovascular regulation in rats. *Clin Sci Mol Med* 48 Suppl 2:277s-278s, Jun 75  
ANIMAL/ \*BLOOD PRESSURE, drug effects/  
\*BRAIN, physiology/ CLONIDINE, administration & dosage/ HEART RATE, drug effects/  
HYPOTHALAMUS/ INJECTIONS/ MALE/  
METHYLDOPA, administration & dosage/  
NOREPINEPHRINE, administration & dosage/ RATS/  
\*RECEPTORS, ADRENERGIC, physiology/  
\*RECEPTORS, ADRENERGIC, ALPHA, physiology/ STEREOTAXIC TECHNIQS
460. Bough EW, Crowley WF, Ridgway C, et al: Myocardial function in hypothyroidism. Relation to disease severity and response to treatment. *Arch Intern Med* 138(10):1476-80, Oct 78  
FEMALE/ HUMAN/ \*HYPOTHYROIDISM, physiopathology/ HYPOTHYROIDISM, therapy/  
MALE/ \*MYOCARDIAL CONTRACTION/  
\*SYSTOLE/ THYROID FUNCTION TESTS/  
THYROID HORMONES, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.
461. Bouhnik J, Michel O, Clot JP, et al: Influence de la thyroïdectomie sur les propriétés des mitochondries du foie de rat en régénération. *C R Soc Biol (Paris)* 172(1):38-42, 1978 (Eng. Abstr.) (Fre)  
ANIMAL/ ENGLISH ABSTRACT/ \*LIVER REGENERATION/ MALE/ MEMBRANES, metabolism/ MICROSOMES, LIVER, metabolism/  
\*MITOCHONDRIA, LIVER, metabolism/  
MONOAMINE OXIDASE, metabolism/ NADPH CYTOCHROME C REDUCTASE, metabolism/  
OXIDATIVE PHOSPHORYLATION/ PROTEINS, biosynthesis/ RATS/ \*THYROIDECTOMY/  
TRANSLATION, GENETIC
462. Bouillon R: Clinical applications and technical aspects of parathyroid hormone measurements. *Ric Clin Lab* 8(1-2):75-86, Jan-Jun 78 (65 ref.)  
HUMAN/ \*HYPERPARATHYROIDISM, blood/  
HYPOPARATHYROIDISM, blood/ LIVER, metabolism/ METHODS/ \*PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, metabolism/ RADIOIMMUNOASSAY/ REVIEW
463. Boukhris R: L'ostéoporose en Tunisie. II: Etude de quelques facteurs étiologiques. *Tunis Med* 56(1):5-12, Jan-Feb 78 (Fre)  
ADULT/ AGE FACTORS/ BREAST FEEDING/  
CALCIUM, deficiency/ CALCIUM, DIETARY, administration & dosage/ FEMALE/ HUMAN/  
\*OSTEOPOROSIS, etiology/ OSTEOPOROSIS, occurrence/ PARITY/ PREGNANCY

# AUTHOR SECTION

## COMPLICATIONS/ PREGNANCY/ TUNISIA

464. Boullin DJ, Du Boulay GH, Rogers AT: Aetiology of cerebral arterial spasm following subarachnoid haemorrhage: evidence against a major involvement of 5-hydroxy-tryptamine in the production of acute spasm. *Br J Clin Pharmacol* 6(3):203-15, Sep 78  
ANIMAL/ AORTA, physiopathology/ BABOONS/ BASILAR ARTERY/ \*CEREBRAL ARTERY DISEASES, etiology/ HUMAN/ IN VITRO/ MALE/ MONKEYS/ MUSCLE CONTRACTION/ RATS/ SEROTONIN, blood/ SEROTONIN, cerebrospinal fluid/ \*SEROTONIN, physiology/ \*SPASM, etiology/ STOMACH, physiopathology/ \*SUBARACHNOID HEMORRHAGE, complications
465. Bounameaux H, Duckert F, Walter M, et al: The determination of antithrombin III. Comparison of six methods. Effect of oral contraceptive therapy. *Thromb Haemost* 39(3):607-15, 30 Jun 78  
\*ANTITHROMBIN III/ BLOOD COAGULATION TESTS, methods/ COMPARATIVE STUDY/ \*CONTRACEPTIVES, ORAL, therapeutic use/ CONTRACEPTIVES, ORAL, COMBINED, therapeutic use/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ PROGESTATIONAL HORMONES, therapeutic use
466. Bourgeois S, Newby RF, Huet M: Glucorticoid resistance in murine lymphoma and thymoma lines. *Cancer Res* 38(11 Pt 2):4279-84, Nov 78  
ANIMAL/ CELL LINE/ COMPARATIVE STUDY/ \*DEXAMETHASONE, pharmacodynamics/ DRUG RESISTANCE/ LYMPHOMA, drug therapy/ LYMPHOMA, familial & genetic/ \*LYMPHOMA, metabolism/ MICE/ MUTATION/ NEOPLASMS, EXPERIMENTAL, metabolism/ \*RECEPTORS, GLUCOCORTICOID, genetics/ \*RECEPTORS, STEROID, genetics/ THYMOMA, drug therapy/ THYMOMA, familial & genetic/ \*THYMOMA, metabolism/ THYMUS NEOPLASMS, drug therapy/ THYMUS NEOPLASMS, familial & genetic/ \*THYMUS NEOPLASMS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
467. Bousquet J, Vanhems E, Dubuisson L: Ultrastructure de la cellule de Sertoli de testicules de rats normaux et dysgénésiques, en période foetale et postnatale. *C R Soc Biol (Paris)* 172(1):94-7, 1978 (Eng. Abstr.) (Fre)  
ANIMAL/ ANIMALS, NEWBORN/ BUSULFAN/ ENGLISH ABSTRACT/ FETUS/ MALE/ MICROSCOPY, ELECTRON/ RATS/ SERTOLI CELLS, drug effects/ \*SERTOLI CELLS, ultrastructure/ STERILITY, MALE, chemically induced/ \*STERILITY, MALE, pathology
468. Bouters R, Dhondt D, Coryn M, et al: Embryo transfer in cattle: an evaluation of the current situation. *J S Afr Vet Assoc* 49(1):9-12, Mar 78  
ANIMAL/ CATTLE/ \*EMBRYO, NON-MAMMALIAN, transplantation/ FEMALE/ GONADOTROPINS, EQUINE, administration & dosage/ OVULATION INDUCTION, veterinary/ SUPEROVULATION, drug effects/ TRANSPLANTATION, HOMOLOGOUS, instrumentation/ TRANSPLANTATION, HOMOLOGOUS, methods/ \*TRANSPLANTATION, HOMOLOGOUS, veterinary
469. Boyd AE 3d, Reichlin S: Neural control of prolactin secretion in man. *Psychoneuroendocrinology* 3(2):113-30, Apr 78  
ADENOMA, physiopathology/ ANIMAL/ DOPAMINE, physiology/ FEMALE/ GABA, physiology/ HOMEOSTASIS/ HUMAN/ \*HYPOTHALAMO-HYPOPHYSAL SYSTEM, physiopathology/ MALE/ NEURAL INHIBITION/ PITUITARY GLAND, ANTERIOR, secretion/ PITUITARY NEOPLASMS, physiopathology/ PROLACTIN RELEASE INHIBITING HORMONE, physiology/ PROLACTIN RELEASING HORMONE, physiology/ \*PROLACTIN, secretion/ SEROTONIN, physiology/ SYNAPSES, physiology/ THYROTROPIN RELEASING HORMONE, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
470. Boyd RV, Woodman JA: The Jekyll-and-Hyde syndrome: an example of disturbed relations affecting the elderly. *Lancet* 2(8091):671-2, 23 Sep 78  
AGE FACTORS/ AGED/ ATTITUDE/ CASE REPORT/ CEREBROVASCULAR DISORDERS, therapy/ FAMILY/ FECAL INCONTINENCE, nursing/ FEMALE/ HOME CARE SERVICES/ \*HOSPITALIZATION/ HUMAN/ INTERPERSONAL RELATIONS/ LONG TERM CARE/ MALE/ \*NURSING CARE/ OSTEOARTHRITIS, therapy/ OSTEOMALACIA, therapy/ PARKINSON DISEASE, drug therapy/ \*PATIENT ACCEPTANCE OF HEALTH CARE/ PATIENT READMISSION/ SPONDYLITIS, therapy/ URINARY INCONTINENCE, nursing
471. Boyd WH, Peters A, Morris G: Binding bovine immunoglobulins to anterior lobe cells of the hypophysis. *Experientia* 34(8):1090-2, 15 Aug 78  
ANIMAL/ ANTIBODY SPECIFICITY/ ANTIGEN-ANTIBODY REACTIONS/ ANTIGENIC DETERMINANTS/ CATTLE/ IGA, IGG/ IGM/ \*IMMUNOGLOBULINS/ \*PITUITARY GLAND, ANTERIOR, immunology/ PITUITARY GLAND, ANTERIOR, secretion/ \*PITUITARY HORMONES, immunology/ PITUITARY HORMONES, secretion
472. Boyde A, Reith EJ, Jones SJ: Intercellular attachments between calcified collagenous tissue forming cells in the rat. *Cell Tissue Res* 191(3):507-12, 16 Aug 78  
ANIMAL/ CALCIFICATION, PHYSIOLOGIC/ COMPARATIVE STUDY/ \*DENTAL CEMENTUM, cytology/ HISTOLOGICAL TECHNIQS/ \*INTERCELLULAR JUNCTIONS, ultrastructure/ \*MOLAR, cytology/ \*ODONTOBLASTS, ultrastructure/ OSTEOBLAST ultrastructure/ RATS/ \*SKULL, cytology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
473. Boykin J, DeTorrenté A, Erickson A, et al: Role of plasma vasopressin in impaired water excretion of glucocorticoid deficiency. *J Clin Invest* 62(4):738-44, Oct 78  
ADRENALECTOMY/ ANIMAL/ BLOOD PRESSURE/ BODY WEIGHT/ CARDIAC OUTPUT/ DOGS/ GLOMERULAR FILTRATION RATE/ \*GLUCOCORTICIDS, deficiency/ \*KIDNEY, physiology/ OSMOLAR CONCENTRATION/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASCULAR RESISTANCE/ \*VASOPRESSINS, blood/ WATER INTOXICATION, physiopathology/ \*WATER-ELECTROLYTE BALANCE
474. Brahletz A, Mizerska D, Porzegowski M: Thymoma cum myasthenia gravis. *Wiad Lek* 31(13):901-3, 1 Jul 78 (Eng. Abstr.)  
CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ \*MYASTHENIA GRAVIS, complications/ \*THYMOMA, complications/ \*THYMUS NEOPLASMS, complications
475. Bradley EL III, Di Girolamo M, Goldman A, et al: Serum parathormone in the identification and surgical management of hyperparathyroidism. *South Med J* 71(10):1234-7, Oct 78  
ADENOMA, diagnosis/ ADOLESCENCE/ ADULT/ ANTIGENS/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPERCALCAEMIA, etiology/ \*HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, surgery/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ \*PARATHYROID HORMONE, blood/ PARATHYROID HORMONE, immunology/ PARATHYROID NEOPLASMS, diagnosis/ PROSPECTIVE STUDIES
476. Bradley GW, Sterling GM: Hypercalcaemia and hypokalaemia in tuberculosis. *Thorax* 33(4):464-7, Aug 78  
ADULT/ CALCIUM, blood/ CASE REPORT/ HUMAN/ HYPERCALCAEMIA, chemically induced/ \*HYPERCALCAEMIA, complications/ \*HYPOKALEMIA, complications/ MALE/ POTASSIUM, blood/ SODIUM, blood/ TUBERCULOSIS, PULMONARY, blood/ \*TUBERCULOSIS, PULMONARY, complication/ VITAMIN D, adverse effects
477. Braithwaite GD: The effect of I-alpha-hydroxycholecalciferol on calcium and phosphorus metabolism in the lactating rat. *Br J Nutr* 40(2):387-92, Sep 78  
ANIMAL/ BONE RESORPTION, drug effects/ CALCIUM, urine/ \*CALCIUM, DIETARY, metabolism/ FEMALE/ \*HYDROXYCHOLECALCIFEROLS,



# AUTHOR SECTION

- pharmacodynamics/ **INTESTINAL ABSORPTION**, drug effects/ **\*LACTATION/ \*PHOSPHORUS**, metabolism/ **PREGNANCY/ \*SHEEP**, metabolism/ **STIMULATION, CHEMICAL**
8. **Braley-Mullen H, Sharp GC, Kyriakos M, et al:** Suppression of experimental autoimmune thyroiditis in the guinea pig by pretreatment with thyroglobulin in incomplete Freund's adjuvant. *Cell Immunol* 39(2):289-96, Sep 78  
**ANIMAL/ ANTI-BODY FORMATION/ ANTIGENS/ AUTOIMMUNE DISEASES, immunology/ \*AUTOIMMUNE DISEASES, prevention & control/ FEMALE/ FREUND'S ADJUVANT/ GUINEA PIGS/ HYPERSENSITIVITY, DELAYED/ LYMPHOCYTES, immunology/ MALE/ \*THYROGLOBULIN, immunology/ THYROIDITIS, immunology/ \*THYROIDITIS, prevention & control/ UNITED STATES GOV'T SUPPORTED, P.H.S.**
9. **Brambilla F, Smeraldi E, Sacchetti E, et al:** Deranged anterior pituitary responsiveness to hypothalamic hormones in depressed patients. *Arch Gen Psychiatry* 35(10):1231-8, Oct 78  
**ADULT/ AGED/ DEPRESSION, blood/ \*DEPRESSION, physiopathology/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ \*LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ MIDDLE AGE/ PITUITARY GLAND, ANTERIOR, drug effects/ \*PITUITARY GLAND, ANTERIOR, physiopathology/ PROLACTIN, blood/ PSYCHOSES, MANIC-DEPRESSIVE, blood/ \*PSYCHOSES, MANIC-DEPRESSIVE, physiopathology/ SOMATOTROPIN, blood/ \*THYROTROPIN RELEASING HORMONE, pharmacodynamics/ THYROTROPIN, blood**
30. **Brammer GL, Yumiler A, Wetterberg L:** N-Acetyltransferase activity of the rat Harderian gland. *Biochim Biophys Acta* 526(1):93-9, 11 Sep 78  
**ACETYLATION/ \*ACETYLTRANSFERASES, metabolism/ AMINES/ ANIMAL/ DIURNAL RHYTHM/ \*HARDERIAN GLAND, enzymology/ HARDERIAN GLAND, metabolism/ HYDROGEN-ION CONCENTRATION/ \*LACRIMAL APPARATUS, enzymology/ MALE/ METHYLATION/ RATS/ SEROTONIN, metabolism/ TRYPTAMINES, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.**
81. **Branchewsky LL:** Adrenergic mechanisms coordinating circulatory and excretory functions by meditation of renin secretion. *Cor Vasa* 20(2):152-8, 1972  
**ANGIOTENSIN II, blood/ ANIMAL/ \*BLOOD CIRCULATION/ BLOOD CIRCULATION, drug effects/ DOGS/ EPINEPHRINE, administration & dosage/ PHENTOLAMINE, administration & dosage/ PHENYLEPHRINE, administration & dosage/ \*RECEPTORS, ADRENERGIC, physiology/ RECEPTORS, ADRENERGIC, ALPHA, physiology/ RECEPTORS, ADRENERGIC, BETA, physiology/ RENIN, blood/ \*RENIN, secretion/ WATER-ELECTROLYTE BALANCE**
82. **Brand LM, Lowenstein JM:** Effect of diet on adenylosuccinase activity in various organs of rat and chicken. *J Biol Chem* 253(19):6872-8, 10 Oct 78  
**\*ADENYLOSUCCINATE LYASE, metabolism/ ANIMAL/ CHICKENS/ COMPARATIVE STUDY/ CYCLOHEXIMIDE, pharmacodynamics/ DIABETES MELLITUS, EXPERIMENTAL, enzymology/ \*DIET/ DIETARY PROTEINS/ HYDROCORTISONE, pharmacodynamics/ KINETICS/ LIVER, drug effects/ LIVER, enzymology/ \*LYASES, metabolism/ MALE/ ORGAN SPECIFICITY/ RATS/ SPECIES SPECIFICITY/ STARVATION/ UNITED STATES GOV'T SUPPORTED, P.H.S.**
483. **Brandon JM:** Failure of indomethacin and D-2-Bromolysergic acid diethylamide to modify the acute oedematous reaction to oestradiol in the uterus of the immature rat. *J Endocrinol* 78(2):291-2, Aug 78  
**ANIMAL/ \*ESTRADIOL, pharmacodynamics/ FEMALE/ \*INDOMETHACIN, pharmacodynamics/ ORGAN WEIGHT, drug effects/ RATS/ SEX MATURATION/ \*UTERUS, drug effects/ \*2-BROMOLYSERGIC ACID DIETHYLAMIDE, pharmacodynamics**
484. **Bransome ED Jr:** Application of the Sousa (John Phillip) principles to medical research: the role of cyclic nucleotides in hormone and drug action. *Trans Am Clin Climatol Assoc* 89:172-83, 1977 (47 ref.)  
**\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ \*ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL CORTEX, drug effects/ ADRENAL CORTEX, metabolism/ ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ANIMAL/ \*CATECHOLAMINES, physiology/ CATTLE/ \*CORTICOTROPIN, physiology/ GUINEA PIGS/ IN VITRO/ MUSCLE, SMOOTH, drug effects/ RATS/ RESPIRATORY SYSTEM, drug effects/ REVIEW/ THEOPHYLLINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.**
485. **Bray MA, Gordon D:** Prostaglandin production by macrophages and the effect of anti-inflammatory drugs. *Br J Pharmacol* 63(4):635-42, Aug 78  
**ANIMAL/ \*ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ GLUCOCORTICOIDES, pharmacodynamics/ GUINEA PIGS/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ MACROPHAGES, drug effects/ \*MACROPHAGES, metabolism/ MALE/ \*PROSTAGLANDINS, biosynthesis/ RADIOIMMUNOASSAY/ SALICYLATES, pharmacodynamics/ TIME FACTORS**
486. **Brazeau P, Martin JB:** Analogs of somatostatin. Part B. In vivo activities: prolongation of action with protamine zinc. *Curr Top Mol Endocrinol* 3:379-86, 1976  
**ANIMAL/ BIOLOGICAL ASSAY/ CIRCADIAN RHYTHM/ DRUG SYNERGISM/ MALE/ METALLOPROTEINS, pharmacodynamics/ MORPHINE, pharmacodynamics/ \*PROTAMINES, pharmacodynamics/ RATS/ \*SOMATOTROPIN RELEASE INHIBITING HORMONE, analogs & derivatives/ SOMATOTROPIN RELEASE INHIBITING HORMONE, analysis/ SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics/ SOMATOTROPIN, secretion/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS/ ZINC**
487. **Brecher P, Chan CT, Franzblau C, et al:** Effects of hypertension and its reversal on aortic metabolism in the rat. *Circ Res* 43(4):561-9, Oct 78  
**\*ACETYLGLUCOSAMINIDASE, metabolism/ \*ACID PHOSPHATASE, metabolism/ ANIMAL/ \*ANTIHYPERTENSIVE AGENTS, therapeutic use/ AORTA, enzymology/ AORTA, metabolism/ \*ARTERIES, metabolism/ BODY WEIGHT/ \*COLLAGEN, metabolism/ DESOXYCORTICOSTERONE/ \*ELASTIN, metabolism/ \*GLUCOSAMINIDASE, metabolism/ \*GLUCOSEPHOSPHATASE, metabolism/ HYPERTENSION, chemically induced/ \*HYPERTENSION, metabolism/ MALE/ \*NUCLEOTIDASES, metabolism/ ORGAN WEIGHT/ RATS/ RATS, INBRED STRAINS/ UNITED STATES GOV'T SUPPORTED, P.H.S.**
488. **Breda M, Ciani R, Masci C, et al:** Aspetti istofunzionali della tiroide di ratto a seguito di somministrazione di etinilestradiolo. Indagini preliminari. *Boll Soc Ital Biol Sper* 54(9):771-6, 15 May 78 (Ita)  
**ANIMAL/ \*ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ RATS/ THYROID GLAND, cytology/ \*THYROID GLAND, drug effects**
489. **Bredin K:** Über die ersten Phasen der Thrombusbildung bei Frühstadien der Atherosklerose. *Z Gesamte Inn Med* 33(17):615-21, 1 Sep 78 (Eng. Abstr.) (Ger)  
**ADENOSINE DIPHOSPHATE, metabolism/ ANTIGEN-ANTIBODY COMPLEX/ ARTERIES, injuries/ \*ARTERIOSCLEROSIS, physiopathology/ BASEMENT MEMBRANE, pathology/ \*BLOOD COAGULATION/ BLOOD VISCOSITY/ ENGLISH ABSTRACT/ HUMAN/ PLATELET AGGREGATION/ PROSTAGLANDINS, metabolism/ SMOKING/ \*THROMBOSIS, physiopathology**
490. **Breese GR, Vogel RA, Kuhn CM, et al:** Behavioral and prolactin responses to 5-hydroxytryptophan in rats treated during development with 5,7-dihydroxytryptamine. *Brain Res* 155(2):263-75, 27 Oct 78  
**ANIMAL/ ANIMALS, NEWBORN/ \*BEHAVIOR,**

# AUTHOR SECTION

- ANIMAL, drug effects/ BENSERAZIDE, pharmacodynamics/ BRAIN, drug effects/ BRAIN, metabolism/ CONDITIONING, OPERANT, drug effects/ DESIPRAMINE, pharmacodynamics/ \*DIHYDROXYTRYPTAMINES, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HYDROXYDOPAMINE, pharmacodynamics/ \*HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ NOREPINEPHRINE, metabolism/ PARGYLINE, pharmacodynamics/ PREGNANCY/ PREMEDICATION/ \*PROLACTIN, blood/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ RECEPTORS, SEROTONIN, drug effects/ SEROTONIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics
491. Breese GR, Mailman RB, Ondrusek MG, et al: Effects of dopaminergic agonists and antagonists on cerebellar guanosine-3',5'-monophosphate (cGMP). *Life Sci* 23(5):533-6, 7 Aug 78  
ANIMAL/ APOMORPHINE, antagonists & inhibitors/ CEREBELLUM, drug effects/ \*CEREBELLUM, metabolism/ DOPAMINE, antagonists & inhibitors/ \*DOPAMINE, physiology/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ IN VITRO/ RATS/ TRANQUILIZING AGENTS, MAJOR, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
492. Breese GR, Mueller RA: Alterations in the neurocytotoxicity of 5,7-dihydroxytryptamine by pharmacologic agents in adult and developing rats. *Ann NY Acad Sci* 305:160-74, 12 Jun 78  
AGING/ ANIMAL/ ANIMALS, NEWBORN/ CENTRAL NERVOUS SYSTEM AGENTS, pharmacodynamics/ DESIPRAMINE, pharmacodynamics/ \*DIHYDROXYTRYPTAMINES, pharmacodynamics/ DRUG INTERACTIONS/ MALE/ MOTOR ACTIVITY, drug effects/ \*NEURONS, drug effects/ PARGYLINE, pharmacodynamics/ RATS/ SEROTONIN, physiology/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics
493. Brémond A, Audra P: La grossesse sous contraception orale ou stérilet. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):581-9, Apr 78 (Eng. Abstr.) (Fre)  
ABNORMALITIES, DRUG-INDUCED/ \*CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ \*INTRAUTERINE DEVICES, adverse effects/ \*PREGNANCY/ PREGNANCY, TUBAL, etiology/ RISK
494. Brennan MF, Brown EM, Marx SJ, et al: Recurrent hyperparathyroidism from an autotransplanted parathyroid adenoma. *N Engl J Med* 299(19):1057-9, 9 Nov 78  
ADENOMA, surgery/ CASE REPORT/ FOREARM, surgery/ HUMAN/ HYPERCALCEMIA, etiology/ \*HYPERPARATHYROIDISM, etiology/ MALE/ MIDDLE AGE/ \*PARATHYROID GLANDS, transplantation/ PARATHYROID NEOPLASMS, surgery/ \*POSTOPERATIVE COMPLICATIONS/ RECURRENCE/ TRANSPLANTATION, AUTOLOGOUS
495. Bricker NS, Fine LG: Uremia: formulations and expectations. The trade-off hypothesis: current status. *Kidney Int [Suppl]* (8):S5-8, Jun 78  
\*ADAPTATION, PHYSIOLOGICAL/ ANIMAL/ DOGS/ GLOMERULAR FILTRATION RATE/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, etiology/ KIDNEY DISEASES, metabolism/ \*KIDNEY DISEASES, physiopathology/ \*KIDNEY, physiopathology/ \*NEPHRONS, physiopathology/ PARATHYROID HORMONE, metabolism/ SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UREMIA, diet therapy/ UREMIA, metabolism/ UREMIA, physiopathology
496. Brilliant LB, Wilcox K, Van Amburg G, et al: Breast-milk monitoring to measure Michigan's contamination with polybrominated biphenyls. *Lancet* 2(8091):643-6, 23 Sep 78  
ACCIDENTS, OCCUPATIONAL/ ADIPOSE TISSUE, analysis/ ADOLESCENCE/ ADULT/ ANIMAL FEED, toxicity/ ANIMAL/ \*BIPHENYL COMPOUNDS, analysis/ CATTLE/ DAIRY PRODUCTS, toxicity/ FEMALE/ \*FOOD CONTAMINATION/ HUMAN/ LACTATION/ MICHIGAN/ MIDDLE AGE/ \*MILK, HUMAN, analysis/ \*POLYBROMOBIPHENYL COMPOUND, analysis/ POLYBROMOBIPHENYL COMPOUND, toxicity/ PREGNANCY
497. Brinley FJ Jr, Tiffert T, Scarpa A: Mitochondria and other calcium buffers of squid axon studied in situ. *J Gen Physiol* 72(1):101-27, Jul 78  
ANIMAL/ \*AXONS, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ \*CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CYANIDES, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ \*MITOCHONDRIA, metabolism/ PERFUSION/ SQUID/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
498. Brinley FJ Jr: Comment on the relation between calcium and change in ionized calcium. *Ann NY Acad Sci* 307:424-28 Apr 78  
BUFFERS/ \*CALCIUM, metabolism/ \*CELL MEMBRANE, metabolism/ CYTOPLASM, metabolism
499. Brisson-Lougarre A, Blum C, Bayard F: Présence de récepteurs nucléaires à la triiodothyronine (T3) dans le fibroblaste de souris. *C R Soc Biol (Paris)* 172(2):355-8, 1978 (Eng. Abstr.)  
ANIMAL/ BINDING SITES/ CELL NUCLEUS, metabolism/ CELLS, CULTURED/ ENGLISH ABSTRACT/ \*FIBROBLASTS/ FIBROBLASTS, metabolism/ FIBROBLASTS, ultrastructure/ KINETICS/ MICE/ \*RECEPTORS, HORMONE, metabolism/ \*TRIIODOTHYRONINE/ TRIIODOTHYRONINE, metabolism
500. Brizzi G, Acunzo S, Della Rocca L, et al: Serotonina e metabolismo di ATP, ADP e AMP nei ratti. *Boll Soc Ital Biol Sper* 54(4):324-7, 28 Feb 78  
\*ADENOSINE DIPHOSPHATE, blood/ \*ADENOSINE MONOPHOSPHATE, blood/ \*ADENOSINE TRIPHOSPHATE, blood/ ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GLYCOLYSIS, drug effects/ MALE/ RATS/ SEROTONIN, administration & dosage/ \*SEROTONIN, pharmacodynamics
501. Brizzi G, Acunzo S, Della Rocca L, et al: Influenza della serotonina sulla glicemia nei ratti. *Boll Soc Ital Biol Sper* 54(4):319-23, 28 Feb 78  
ANIMAL/ \*BLOOD SUGAR/ BLOOD SUGAR, analysis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GLYCOLYSIS, drug effects/ \*HYPERGLYCEMIA, chemically induced/ MALE/ RATS/ SEROTONIN, administration & dosage/ \*SEROTONIN, pharmacodynamics
502. Brock P, Eldred EW, Woiszwillo JE, et al: Direct solid-phase 125I radioimmunoassay of serum cortisol. *Clin Chem* 24(9):1595-8, Sep 78  
ANILINO NAPHTHALENESULFONATES/ COMPARATIVE STUDY/ CROSS REACTION/ HUMAN/ \*HYDROCORTISONE, blood/ IODINE RADIOISOTOPES/ RADIOIMMUNOASSAY, methods
503. Brod J: Vasoactive renal hormones. *Contrib Nephrol* 12:1978  
ANIMAL/ BLOOD PRESSURE/ \*HORMONES, physiology/ HUMAN/ \*KIDNEY, physiology/ RENIN, physiology
504. Brodish A: Extra-CNS corticotropin-releasing factors. *Ann NY Acad Sci* 297:420-35, 28 Oct 77  
ANIMAL/ CORTICOSTERONE, blood/ CORTICOTROPIN RELEASING HORMONE, pharmacodynamics/ \*CORTICOTROPIN RELEASING HORMONE, physiology/ CORTICOTROPIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HYPOPHYSECTOMY/ HYPOTHALAMIC HORMONES, pharmacodynamics/ PITUITARY GLAND, drug effects/ \*PITUITARY-ADRENAL SYSTEM, physiology/ RATS/ STRESS, blood



# AUTHOR SECTION

505. Brodkey JS, Pearson OH, Manni A: Hypophysectomy for relief of bone pain in breast cancer [letter] *N Engl J Med* 299(18):1016, 2 Nov 78  
BONE NEOPLASMS, complications/ \*BONE NEOPLASMS, therapy/ \*BREAST NEOPLASMS, therapy/ FEMALE/ HUMAN/ \*HYPOPHYSECTOMY/ NEOPLASM METASTASIS/ \*PAIN, therapy/ REMISSION
506. Bronaugh RL, Roller RG, Cargill R: The evaluation of topical anti-inflammatory activity on rat ears subjected to thermal injury. *J Invest Dermatol* 71(4):263-5, Oct 78  
ANIMAL/ \*ANTI-INFLAMMATORY AGENTS, TOPICAL, therapeutic use/ \*BURNS, drug therapy/ COMPARATIVE STUDY/ DEXAMETHASONE, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SCREENING/ HYDROCORTISONE, TOPICAL, therapeutic use/ INDOMETHACIN, therapeutic use/ PHENYLBUTAZONE, therapeutic use/ PREDNISOLONE, TOPICAL, therapeutic use/ RATS/ TRIAMCINOLONE ACETONIDE, therapeutic use
507. Bronner F, Golub EE, Reid M, et al: Calcium transport in bone and intestinal cells. *Ann NY Acad Sci* 307:440-1, 28 Apr 78  
ANIMAL/ BINDING SITES/ BIOLOGICAL TRANSPORT, ACTIVE/ \*BONE AND BONES, metabolism/ \*CALCIUM, metabolism/ CELLS, CULTURED/ IN VITRO/ \*INTESTINES, metabolism/ KINETICS/ MALE/ RATS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VITAMIN D DEFICIENCY, metabolism
508. Brookeman VA: Radiation dosimetry of adrenal imaging agents 19-iodocholesterol and 6-iodomethylnorcholesterol. *Int J Appl Radiat Isot* 29(4-5):277-9, May 78  
\*ADOSTEROL, metabolism/ \*ADRENAL GLANDS, radionuclide imaging/ ANIMAL/ \*CHOLESTEROL, analogs & derivatives/ \*IODINE RADIOISOTOPES, metabolism/ RADIOMETRY/ RATS/ \*STEROLS, metabolism/ TISSUE DISTRIBUTION/ \*19-IODOCHOLESTEROL, metabolism
509. Brooks SC, Locke ER, Horn L: Metabolism of 17beta-estradiol during receptor-mediated nuclear migration in breast cancer cells. *Cancer Res* 38(11 Pt 2):4238-42, Nov 78  
ALCOHOL, ETHYL/ \*BREAST NEOPLASMS, metabolism/ CELL NUCLEUS, metabolism/ CELLS, CULTURED/ CYTOSOL, metabolism/ \*ESTRADIOL, metabolism/ ESTRONE, biosynthesis/ \*ESTRONE, metabolism/ NEOPLASMS, EXPERIMENTAL, metabolism/ POTASSIUM CHLORIDE/ RECEPTORS, ESTROGEN, isolation & purification/ \*RECEPTORS, ESTROGEN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
510. Brostoff H, Brostoff J: Vitiligo and steroids [letter] *Lancet* 2(8091):688, 23 Sep 78  
AGED/ CASE REPORT/ HUMAN/ MALE/ POLYMYALGIA RHEUMATICA, drug therapy/ \*PREDNISONE, therapeutic use/ REMISSION/ \*VITILIGO, drug therapy
511. Broulik PD, Hradec E, Pacovský V: Calcitonin activity of the thyroid gland in primary hyperparathyroidism. *Acta Endocrinol (Copenh)* 89(1):122-5, Sep 78  
ADULT/ BIOLOGICAL ASSAY/ \*CALCITONIN, metabolism/ FEMALE/ GOITER, NODULAR, metabolism/ HUMAN/ \*HYPERPARATHYROIDISM, metabolism/ LARYNGECTOMY/ MALE/ MIDDLE AGE/ NECK, surgery/ \*THYROID GLAND, metabolism
512. Brown AM, Akaike N, Lee KS: The calcium conductance of neurons. *Ann NY Acad Sci* 307:330-44, 28 Apr 78 (29 ref.)  
ANIMAL/ \*CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CATIONS, DIVALENT/ ELECTRIC STIMULATION/ IN VITRO/ KINETICS/ MEMBRANE POTENTIALS/ METHODS/ MODELS, BIOLOGICAL/ NEURAL CONDUCTION/ \*NEURONS, metabolism/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.
513. Brown GM, Stancer HC, Moldofsky H, et al: Withdrawal from long-term high-dose desipramine therapy. Clinical and biological changes. *Arch Gen Psychiatry* 35(10):1261-4, Oct 78  
ADULT/ \*DESIPRAMINE, administration & dosage/ DESIPRAMINE, metabolism/ \*DRUG WITHDRAWAL SYMPTOMS, diagnosis/ ELECTROCARDIOGRAPHY/ ELECTROENCEPHALOGRAPHY/ HEART BLOCK, diagnosis/ HUMAN/ HYDROCORTISONE, blood/ MALE/ METHOXYHYDROXYPHENYLGLYCOL, urine/ PROGNOSIS/ SLEEP DISORDERS, diagnosis/ SLEEP, REM/ SOMATOTROPIN, blood
514. Brown GM, Seggie JA, Chambers JW, et al: Psychoendocrinology and growth hormone: a review. *Psychoneuroendocrinology* 3(2):131-53, Apr 78 (112 ref.)  
AMYGDALOID BODY, physiopathology/ ANIMAL/ ANOREXIA NERVOSA, physiopathology/ BLOOD SUGAR, metabolism/ \*BRAIN, physiopathology/ DEPRESSION, physiopathology/ DWARFISM, PITUITARY, physiopathology/ HUMAN/ HYPOTHALAMUS, physiopathology/ NEURAL PATHWAYS, physiopathology/ NEUROHUMORS, physiology/ PSYCHOSOCIAL DEPRIVATION/ REVIEW/ SCHIZOPHRENIA, physiopathology/ SEPTAL NUCLEI, physiopathology/ \*SOMATOTROPIN, secretion/ STRESS, PSYCHOLOGICAL, physiopathology
515. Brown WA, Laughren TP, Williams BW: Neuroendocrine correlates of clinical response during withdrawal from chlorthalidopoxide. *Commun Psychopharmacol* 2(3):251-4, 1978  
\*CHLORDIAZEPOXIDE, therapeutic use/ \*DRUG WITHDRAWAL SYMPTOMS, blood/ HUMAN/ HYDROCORTISONE, blood/ MALE/ MIDDLE AGE/ NEUROSES, ANXIETY, blood/ NEUROSES, ANXIETY, drug therapy/ PROLACTIN, blood/ PSYCHIATRIC STATUS RATING SCALES/ SOMATOTROPIN, blood/ UNITED STATES GOV'T SUPPORTED
516. Browne MK, Leslie GB, Pfirman RW: A comparison of noxythiolin and povidone-iodine in experimentally induced peritoneal infection in mice. *Br J Surg* 65(9):601-2, Sep 78  
ANIMAL/ COMPARATIVE STUDY/ ESCHERICHIA COLI/ INJECTIONS, INTRAPERITONEAL/ MALE/ MICE/ NOXYTHIOLIN, administration & dosage/ \*NOXYTHIOLIN, therapeutic use/ \*PERITONITIS, drug therapy/ PERITONITIS, etiology/ \*POLYVINYLPYRROLIDONE, analogs & derivatives/ POVIDONE-IODINE, administration & dosage/ \*POVIDONE-IODINE, therapeutic use/ \*THIOUREA, analogs & derivatives
517. Brownie AC, Gallant S, Paul DP, et al: Effect of ACTH on cytochrome P450 systems of the adrenal cortex. *Ann NY Acad Sci* 297:349-60, 28 Oct 77  
ADRENAL CORTEX HORMONES, biosynthesis/ \*ADRENAL CORTEX, drug effects/ ADRENAL CORTEX, metabolism/ ANIMAL/ CHOLESTEROL, metabolism/ \*CORTICOTROPIN, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ \*CYTOCHROME P-450, metabolism/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ GUINEA PIGS/ HYDROCORTISONE, secretion/ MITOCHONDRIA, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
518. Browning EJ, Banerjee K, Reisinger WE Jr: Airborne concentration of I-131 in a nuclear medicine laboratory. *J Nucl Med* 19(9):1078-81, Sep 78  
\*AIR POLLUTANTS, analysis/ \*AIR POLLUTANTS, OCCUPATIONAL, analysis/ \*AIR POLLUTANTS, RADIOACTIVE, analysis/ FILM DOSIMETRY/ HUMAN/ \*IODINE RADIOISOTOPES, analysis/ LABORATORIES/ MONITORING, PHYSIOLOGIC/ \*NUCLEAR MEDICINE/ THYROID GLAND
519. Browning RA, Maynert EW: Effects of intraventricularly administered monoamines on seizure susceptibility and body temperature in rats. *Neuropharmacology* 17(8):649-53, Aug 78  
ANIMAL/ BIOGENIC AMINES, administration & dosage/ \*BIOGENIC AMINES, pharmacodynamics/ \*BODY TEMPERATURE, drug effects/ DOPAMINE, pharmacodynamics/ ELECTROSHOCK/ INJECTIONS, INTRAVENTRICULAR/ MALE/ NOREPINEPHRINE, pharmacodynamics/ RATS/



# AUTHOR SECTION

- \*SEIZURES, physiopathology/ SEROTONIN, pharmacodynamics/ TIME FACTORS
520. Browning RA, Hoffmann WE, Simonton RL: Changes in seizure susceptibility after intracerebral treatment with 5,7-dihydroxytryptamine: role of serotonergic neurons. *Ann NY Acad Sci* 305:437-56, 12 Jun 78  
ACETAZOLAMIDE, pharmacodynamics/ ANIMAL/ ANTICONVULSANTS/  
\*DIHYDROXYTRYPTAMINES, pharmacodynamics/ ELECTROSHOCK/ MALE/ NEURONS, drug effects/ \*NEURONS, physiology/ PENTYLENETETRAZOLE, pharmacodynamics/ PHENOBARBITAL, pharmacodynamics/ PHENYTOIN, pharmacodynamics/ RAPHE NUCLEI, physiology/ RATS/ \*SEIZURES, physiopathology/ \*SEROTONIN, physiology/  
\*5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics
  521. Broyer M, Czernichow P, Tete MJ, et al: Insulin and growth hormone secretion in dialyzed children: influence of dietary manipulation. *Am J Clin Nutr* 31(10):1876-90, Oct 78  
ADOLESCENCE/ ARGININE, diagnostic use/ CHILD/ CHILD, PRESCHOOL/ \*DIET/ DIETARY CARBOHYDRATES, administration & dosage/ DIETARY FATS, administration & dosage/ FEMALE/ \*HEMODIALYSIS/ HUMAN/ INSULIN, diagnostic use/ \*INSULIN, secretion/ LIPOPROTEINS, blood/ MALE/ \*SOMATOTROPIN, secretion/ TRIGLYCERIDES, blood/ UREMIA, diet therapy/ \*UREMIA, therapy
  522. Bruce LA, Behsudi FM, Danhof IE: Smooth muscle mechanical responses in vitro to bethanechol after progesterone in male rat. *Am J Physiol* 235(4):E422-8, Oct 78  
ANIMAL/ ATROPINE, pharmacodynamics/ \*BETHANECHOL COMPOUNDS, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ \*DUODENUM, drug effects/ IN VITRO/ MALE/ MUSCLE CONTRACTION, drug effects/ \*MUSCLE, SMOOTH, drug effects/ \*PROGESTERONE, pharmacodynamics/ RATS/ \*STOMACH, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  523. Bruch HP, Schmidt E, Laven R, et al: The role of prostaglandins in peristalsis of the human colon. *Acta Hepatogastroenterol (Stuttg)* 25(4):303-7, Aug 78  
CHOLECYSTOKININ/ DOSE-RESPONSE RELATIONSHIP, DRUG/ \*GASTROINTESTINAL MOTILITY/ GASTROINTESTINAL MOTILITY, drug effects/ HUMAN/ INDOMETHACIN, pharmacodynamics/ PENTAGASTRIN/ \*PERISTALSIS/ PROSTAGLANDIN ANTAGONISTS/ \*PROSTAGLANDINS, physiology
  524. Brucher H: Chemotherapie der malignen Lymphome. *Med Welt* 29(40):1563-9, 6 Oct 78 (31 ref.) (Ger)  
ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ \*ANTINEOPLASTIC AGENTS, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG COMBINATIONS/ HODGKIN'S DISEASE, drug therapy/ HUMAN/ \*LYMPHOMA, drug therapy/ MUSTARD COMPOUNDS, therapeutic use/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ REVIEW/ VINCRISTINE, therapeutic use
  525. Bruckner HW, Ratner LH, Cohen CJ, et al: Combination chemotherapy for ovarian carcinoma with cyclophosphamide, adriamycin, and cis-dichlorodiammineplatinum(II) after failure of initial chemotherapy. *Cancer Treat Rep* 62(7):1021-3, Jul 78  
\*ADENOCARCINOMA, drug therapy/ ADULT/ AGED/ \*CYCLOPHOSPHAMIDE, administration & dosage/ \*DIAMMONIUM CHLOROPLATINUM COMPOUNDS, administration & dosage/ \*DOXORUBICIN, administration & dosage/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ MIDDLE AGE/ \*OVARIAN NEOPLASMS, drug therapy/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  526. Bruhat MA, Ropert JF, Lagarde N, et al: Relation entre les résultats des tests au LHRH et des biopsies d'ovaires dans les syndromes dystrophiques et les syndromes de Stein Leventhal. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):738-43, Apr 78 (Fre)  
BIOPSY/ COMPARATIVE STUDY/ FEMALE/ FSH, blood/ HUMAN/ LH, blood/ \*LH-FSH
  - RELEASING HORMONE, diagnostic use/  
\*OVARIAN DISEASES, diagnosis/ OVARIAN DISEASES, pathology/ \*STEIN-LEVENTHAL SYNDROME, diagnosis/ STEIN-LEVENTHAL SYNDROME, pathology
  527. Brun R, Jenny M, Junod JP: L'hyperthyroïdisme des personnes âgées. *Schweiz Med Wochenschr* 108(39):1504-10, 30 Sep 78 (Eng. Abstr.) (Fre)  
AGED/ CARDIOVASCULAR DISEASES, etiology/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ GOITER, EXOPHTHALMIC, diagnosis/ GOITER, NODULAR, complications/ GOITER, NODULAR, diagnosis/ HUMAN/ \*HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, radiotherapy/ IODINE RADIOISOTOPES, therapeutic use/ MIDDLE AGE/ THYROXINE, analysis/ TRIIODOTHYRONINE, analysis
  528. Brunner HR, Jaeger P, Ferguson RK, et al: Need for beta-blockade in hypertension reduced with long-term minoxidil. *Br Med J* 2(6134):385-8, 5 Aug 78  
\*ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ ADULT/ ALDOSTERONE, urine/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ \*HYPERTENSION, drug therapy/ HYPERTENSION, metabolism/ MALE/ MIDDLE AGE/ \*MINOXIDIL, therapeutic use/ NOREPINEPHRINE, urine/ \*PYRIMIDINES, therapeutic use/ RENIN, blood
  529. Brunner HR, Waerber B, Wauters JP, et al: Inappropriate renin secretion unmasked by captopril (SQ 14 225) in hypertension of chronic renal failure. *Lancet* 2(8092 Pt 1):704-7, 30 Sep 78  
ADMINISTRATION, ORAL/ ADULT/ ANTIHYPERTENSIVE AGENTS, administration & dosage/ \*ANTIHYPERTENSIVE AGENTS, therapeutic use/ BLOOD PRESSURE, drug effects/ DRUG THERAPY, COMBINATION/ FEMALE/ FUROSEMIDE, therapeutic use/ HUMAN/ HYPERTENSION, RENAL, drug therapy/ \*HYPERTENSION, RENAL, etiology/ \*KIDNEY FAILURE, CHRONIC, physiopathology/ \*KININASE II, antagonists & inhibitors/ MALE/ MIDDLE AGE/ \*PROLINE, analogs & derivatives/ PROLINE, administration & dosage/ PROLINE, therapeutic use/ \*RENIN, secretion/ SODIUM, metabolism
  530. Brusilovskii AI, Stepanova OM: Morfologicheskie aspekty reaktivno adaptatsii v sisteme mat'-platsenta-plod pri anemii beremennyykh. *Akush Ginekol (Mosk)* (9):11-4, Sep 78 (Rus)  
\*ADAPTATION, PHYSIOLOGICAL/ AMNION, physiopathology/ \*ANEMIA, physiopathology/ CHORION, physiopathology/ ERYTHROCYTES, physiology/ FEMALE/ \*FETUS, physiology/ HUMAN/ \*PLACENTA, physiopathology/ \*PREGNANCY COMPLICATIONS, HEMATOLOGIC, physiopathology/ PREGNANCY/ SYNDROME
  531. Bucciante G, Frizzi V, Bernardi AM, et al: L'anemia dei pazienti sottoposti a trattamento emodialitico periodico. Criteri terapeutici e risultati a distanza. *Minerva Urol* 30(2):85-95, Apr-Jun 78 (Eng. Abstr.) (Ita)  
ADOLESCENCE/ ADULT/ ANDROGENS, therapeutic use/ ANEMIA, drug therapy/ \*ANEMIA, etiology/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ FOLIC ACID, therapeutic use/ \*HEMODIALYSIS, adverse effects/ HEMOSIDEROSIS, prevention & control/ HUMAN/ IRON, therapeutic use/ KIDNEY FAILURE, CHRONIC, complications/ \*KIDNEY FAILURE, CHRONIC, therapy/ MALE/ MIDDLE AGE/ UREMIA, therapy/ VITAMINS, therapeutic use
  532. Buchanan N, Pettifor JM, Cane RD, et al: Infantile apnoea due to profound hypocalcaemia associated with vitamin D deficiency. A case report. *S Afr Med J* 53(19):766-7, 13 May 78  
ALKALINE PHOSPHATASE, blood/ \*APNEA, etiology/ CASE REPORT/ ELECTROCARDIOGRAPHY/ FEMALE/ HUMAN/ \*HYPOCALCEMIA, complications/ INFANT/ MAGNESIUM, blood/ PHOSPHORUS, blood/ RICKETS, complications/ \*VITAMIN D DEFICIENCY, complications/ VITAMIN D, therapeutic use



## AUTHOR SECTION

533. Budka H: Megalencephaly and chromosomal anomaly. *Acta Neuropathol (Berl)* 43(3):263-6, 15 Sep 78  
AUTOPSY/ \*BRAIN, abnormalities/ BRAIN, pathology/ CASE REPORT/ CHILD/ HUMAN/ \*KLINEFELTER'S SYNDROME, complications/ KLINEFELTER'S SYNDROME, pathology/ MALE/ ORGAN WEIGHT/ TETRALOGY OF FALLOT, complications
534. Buffa R, Capella C, Fontana P, et al: Types of endocrine cells in the human colon and rectum. *Cell Tissue Res* 192(2):227-40, 5 Sep 78  
\*CHROMAFFIN SYSTEM, analysis/ \*COLON, cytology/ CYTOPLASMIC GRANULES, ultrastructure/ \*ENDOCRINE GLANDS, cytology/ \*ENTEROCHROMAFFIN CELLS, analysis/ ENTEROCHROMAFFIN CELLS, ultrastructure/ GLUCAGON, metabolism/ HUMAN/ PANCREATIC POLYPEPTIDE, metabolism/ \*RECTUM, cytology/ SEROTONIN, metabolism/ SOMATOTROPIN RELEASE INHIBITING HORMONE, metabolism
535. Buga G, Abraham AD: Autoradiographic distribution studies with 3H-testosterone and 3H-oestradiol-17beta. *Cell Mol Biol* 23(1):55-63, 1978  
ANIMAL/ AUTORADIOGRAPHY/ BINDING SITES/ \*ESTRADIOL, metabolism/ FEMALE/ MALE/ RATS/ \*TESTOSTERONE, metabolism/ TISSUE DISTRIBUTION
536. Buglaev AI, Aksel'rad LL: Kliniko-rentgenologicheskaya diagnostika glubiny nekroza pri ozhogakh IV stepeni. *Vestn Khir* 121(9):65-70, Sep 78 (Eng. Abstr.) (Rus)  
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ BONE AND BONES, injuries/ BURNS, pathology/ \*BURNS, radiography/ ENGLISH ABSTRACT/ HUMAN/ JOINTS, injuries/ MIDDLE AGE/ MUSCLES, injuries/ NECROSIS/ TENDON INJURIES, radiography/ TIME FACTORS
537. Bühler FR, Marbet G, Patel U, et al: Renin-suppressive potency of various beta-adrenergic blocking agents at supine rest and during upright exercise. *Clin Sci Mol Med* 48 Suppl 2:61s-64s, Jun 75  
\*ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ADULT/ ATENOLOL, pharmacodynamics/ \*EXERTION/ HUMAN/ MALE/ OXPRENOLOL, pharmacodynamics/ PINDOLOL, pharmacodynamics/ \*POSTURE/ PRACTOLOL, pharmacodynamics/ PROPANOLOL, pharmacodynamics/ \*RENIN, blood/ TIMOLOL, pharmacodynamics
538. Bühler FR, Kowski W, Bolli P, et al: Das Potential der beta-Blocker in der Hochdruckbehandlung. *Internist (Berlin)* 19(9):510-9, Sep 78 (Ger)  
ADRENERGIC BETA RECEPTOR BLOCKADERS, metabolism/ \*ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ AGE FACTORS/ BLOOD PRESSURE, drug effects/ DIURETICS, therapeutic use/ DRUG THERAPY, COMBINATION/ DRUG TOLERANCE/ HUMAN/ \*HYPERTENSION, drug therapy/ PLACEBOS/ PROPANOLOL, therapeutic use/ RENIN, blood/ VASODILATOR AGENTS, therapeutic use
539. Bührdel P, Keller E, Willgerodt H, et al: The postnatal development of rats born preterm and postterm. II. Liver, brain, heart and kidneys. *Biol Neonate* 33(5-6):240-52, 1978  
ANIMAL/ \*ANIMALS, NEWBORN, growth & development/ \*BRAIN, growth & development/ FEMALE/ GESTATIONAL AGE/ \*HEART, growth & development/ \*KIDNEY, growth & development/ \*LIVER, growth & development/ ORGAN WEIGHT/ PLACENTA DISORDERS/ PREGNANCY/ RATS
540. Bujs RM: Intra- and extrahypothalamic vasopressin and oxytocin pathways in the rat. Pathways to the limbic system, medulla oblongata and spinal cord. *Cell Tissue Res* 192(3):423-35, 26 Sep 78  
ANIMAL/ HYPOTHALAMUS, anatomy & histology/ LIMBIC SYSTEM, anatomy & histology/ MALE/ MEDULLA OBLONGATA, anatomy & histology/ NERVE FIBERS, anatomy & histology/ NEURAL PATHWAYS/ \*NEUROSECRETORY SYSTEMS, anatomy & histology/ \*OXYTOCIN, metabolism/ PARAVENTRICULAR NUCLEUS, anatomy & histology/ RATS/ SPINAL CORD, anatomy & histology/ SUPRAOPTIC NUCLEUS, anatomy & histology/ \*VASOPRESSINS, metabolism
541. Bulajic M, Vučić V: Naše metode ablaktacije posle velikih pobačaja i poročaja. *Srp Arh Celok Lek* 105(11):985-8, Nov 77 (Sec)  
\*ABORTION/ ABORTION, LEGAL/ \*DELIVERY/ FEMALE/ FLUOXYMESTERONE, therapeutic use/ HUMAN/ \*LACTATION, drug effects/ PREGNANCY
542. Buligescu L, Ciontea M: Terapia imunodepresoare in hepatopatiile cronice active. *Rev Med Interna [Med Interna]* 30(3):241-56, May-Jun 78 (Eng. Abstr.) (Rum)  
ADULT/ \*AZATHIOPRINE, therapeutic use/ CHRONIC DISEASE/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HEPATITIS A, drug therapy/ HEPATITIS B, drug therapy/ HUMAN/ \*IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ LIVER CIRRHOSIS, drug therapy/ \*LIVER DISEASES, drug therapy/ MALE/ MIDDLE AGE/ \*PREDNISOLONE, therapeutic use
543. Bulman DC, McKibbin PE, Appleyard WT, et al: Effect of a progesterone-releasing intravaginal device on the milk progesterone levels, vaginal flora, milk yield and fertility of cyclic and non-cyclic dairy cows. *J Reprod Fertil* 53(2):289-96, Jul 78  
ANESTRUS, drug effects/ ANIMAL/ CATTLE/ FEMALE/ \*FERTILITY, drug effects/ \*INTRAUTERINE DEVICES, MEDICATED/ \*LACTATION, drug effects/ \*MILK, analysis/ PREGNANCY/ PROGESTERONE, analysis/ \*PROGESTERONE, pharmacodynamics/ \*VAGINA, microbiology
544. Bulman DC, Hewitt DS, Lamming GE: The measurement of milk progesterone in suckled cows. *Vet Rec* 103(8):161-2, 19 Aug 78  
ANIMAL/ ANIMALS, SUCKLING/ \*CATTLE, physiology/ FEMALE/ \*MILK, analysis/ PREGNANCY/ \*PROGESTERONE, analysis
545. Bult H, Herman AG: In vitro inhibition by endotoxin of the anti-aggregatory action of prostacyclin produced by aortic rings. *Arch Int Pharmacodyn Ther* 234(2):335-6, Aug 78  
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ANIMAL/ AORTA, metabolism/ \*BLOOD VESSELS, metabolism/ \*ENDOTOXINS, pharmacodynamics/ IN VITRO/ \*PLATELET AGGREGATION, drug effects/ PROSTAGLANDINS X, biosynthesis/ \*PROSTAGLANDINS X, pharmacodynamics/ \*PROSTAGLANDINS, pharmacodynamics/ RABBITS
546. Bumbasirević Z: Rentgenologické změny na kostně kloubním systému a ve svalích při myopatiích. *Acta Chir Orthop Traumatol Cech* 45(4):289-93, Aug 78 (Eng. Abstr.) (Cze)  
\*BONE AND BONES, radiography/ ELBOW, radiography/ ENGLISH ABSTRACT/ FOOT, radiography/ HIP, radiography/ HUMAN/ \*JOINTS, radiography/ KNEE, radiography/ \*MUSCULAR DISEASES, radiography/ SHOULDER, radiography
547. Bumpus FM, Khosla MC: Inhibition of the pressor and aldosterone-releasing effects of angiotensin II. *Clin Sci Mol Med* 48 Suppl 2:15s-18s, Jun 75  
ADRENAL GLANDS, secretion/ \*ALDOSTERONE, secretion/ ANGIOTENSIN II, analogs & derivatives/ \*ANGIOTENSIN II, antagonists & inhibitors/ ANGIOTENSIN II, metabolism/ ANGIOTENSIN III, metabolism/ ANIMAL/ BINDING, COMPETITIVE/ \*BLOOD PRESSURE, drug effects/ BLOOD VESSELS, physiology/ COMPARATIVE STUDY/ DOGS/ MUSCLE, SMOOTH, physiology/ PHENOXYBENZAMINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ RABBITS/ RECEPTORS, ANGIOTENSIN, metabolism/ SARALASIN, metabolism/ UNITED STATES GOVT SUPPORTED, P.H.S.
548. Buñag RD, Riley E, Montello M: Sustained pressor responsiveness to prolonged hypothalamic stimulation in awake rats. *Am J Physiol* 231(6):1708-15, Dec 76  
ANIMAL/ \*BLOOD PRESSURE/ ELECTRIC STIMULATION/ FEMALE/ \*HEART RATE/ HYPERTENSION, etiology/ HYPERTENSION, RENAL, familial & genetic/ \*HYPOTHALAMUS, physiology/ \*HYPOTHALAMUS, POSTERIOR, physiology/ MALE/ RATS/ TIME FACTORS/



# AUTHOR SECTION

- UNITED STATES GOV'T SUPPORTED, P.H.S.
549. Bunuan HD, Alltree M, Merendino KA: Gel foam embolization of a functioning pheochromocytoma. *Am J Surg* 136(3):395-8, Sep 78  
CASE REPORT/ \*EMBOLIZATION, THERAPEUTIC/ \*GELATIN SPONGE, ABSORBABLE/ GELS/ HUMAN/ KIDNEY NEOPLASMS, blood supply/ KIDNEY NEOPLASMS, radiography/ \*KIDNEY NEOPLASMS, surgery/ MALE/ MIDDLE AGE/ PHEOCHROMOCYTOMA, blood supply/ PHEOCHROMOCYTOMA, radiography/ \*PHEOCHROMOCYTOMA, surgery/ RENAL ARTERY, radiography
  550. Burd LI, Takahashi K, Ward K, et al: The relationship of changes in mammary blood flow and plasma progesterone at the time of parturition in the ewe. *Am J Obstet Gynecol* 132(4):385-91, 15 Oct 78  
ANIMAL/ FEMALE/ \*LABOR, INDUCED/ \*MAMMAE, blood supply/ PREGNANCY/ \*PROGESTERONE, blood/ PROGESTERONE, pharmacodynamics/ REGIONAL BLOOD FLOW/ SHEEP
  551. Burgudzhieva T, Chuchkov Kh: Vliianie lecheniia ul'trazvuhom ili fonoforezom gidrokortizonovoi mazi na nekapsulirovannye retseptory kozhi pri nekotorykh khronicheskikh vul'varnykh distrofiakh (po dannym elektronnoi mikroskopii). *Vopr Kurortol Fizioter Lech Fiz Kult* (4):75-8, Jul-Aug 78 (Rus)  
CHRONIC DISEASE/ FEMALE/ HUMAN/ \*HYDROCORTISONE, TOPICAL, administration & dosage/ \*IONTOPHORESIS, methods/ \*KRAUROSIS VULVAE, pathology/ KRAUROSIS VULVAE, therapy/ LEUKOPLAKIA, therapy/ \*LEUKOPLAKIA, ultrastructure/ MICROSCOPY, ELECTRON/ NERVE FIBERS, ultrastructure/ OINTMENTS/ \*RECEPTORS, SENSORY, ultrastructure/ \*SKIN, innervation/ \*ULTRASONIC THERAPY/ VULVAR NEOPLASMS, therapy/ \*VULVAR NEOPLASMS, ultrastructure
  552. Burgus R, Amoss M, Brazeau P, et al: Isolation and characterization of hypothalamic peptide hormones. *Curr Top Mol Endocrinol* 3:355-72, 1976 (50 ref.)  
ANIMAL/ BIOLOGICAL ASSAY/ BRAIN CHEMISTRY/ \*HYPOTHALAMUS, analysis/ LH-FSH RELEASING HORMONE, analysis/ LH-FSH RELEASING HORMONE, isolation & purification/ MYELIN PROTEINS, isolation & purification/ MSH RELEASE INHIBITING HORMONE, isolation & purification/ \*PITUITARY HORMONE RELEASE INHIBITING HORMONES, isolation & purification/ \*PITUITARY HORMONE RELEASING HORMONES, isolation & purification/ PROLACTIN RELEASE INHIBITING HORMONE, isolation & purification/ PROLACTIN RELEASING HORMONE, isolation & purification/ REVIEW/ SOMATOTROPIN RELEASE INHIBITING HORMONE, isolation & purification/ SOMATOTROPIN RELEASING HORMONE, isolation & purification/ THYROTROPIN RELEASING HORMONE, isolation & purification/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  553. Burke MD, Hallman H: Microfluorimetric analysis of the cytochrome P448 associated, ethoxyresorufin O-deethylase activities of individual isolated rat hepatocytes. *Biochem Pharmacol* 27(11):1539-44, 1978  
ANIMAL/ \*CYTOCHROMES, metabolism/ DEALKYLATION/ FLAVONES, pharmacodynamics/ IN VITRO/ KINETICS/ \*LIVER, enzymology/ MALE/ METHODS/ METYRAPONE, pharmacodynamics/ OXAZINES/ \*OXIDOREDUCTASES, metabolism/ RATS/ SPECTROMETRY, FLUORESCENCE/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  554. Burke MD, Orrenius S, Gustafsson JA: Pituitary involvement in the sexual differentiation and 3-methylcholanthrene induction of rat liver microsomal monooxygenases. *Biochem Pharmacol* 27(8):1125-8, 1978  
ANIMAL/ ENZYME INDUCTION, drug effects/ FEMALE/ HYPOPHYSECTOMY/ MALE/ METHYLCHOLANTHRENE, pharmacodynamics/ MICROSOMES, LIVER, drug effects/ \*MICROSOMES, LIVER, enzymology/ \*MIXED FUNCTION OXIDASES, metabolism/ \*OXIDOREDUCTASES, metabolism/ \*PITUITARY GLAND, physiology/ RATS/ SEX FACTORS
  555. Burke RE, McGuire WL: Nuclear thyroid hormone receptor in a human breast cancer cell line. *Cancer Res* 38(11 Pt 1):3769-73, Nov 78  
BINDING, COMPETITIVE/ BREAST NEOPLASMS, drug therapy/ \*BREAST NEOPLASMS, metabolism/ CELL DIVISION, drug effects/ CELL LINE/ CELL NUCLEUS, metabolism. HUMAN/ KINETICS/ NEOPLASMS, EXPERIMENTAL, metabolism/ NEOPLASMS, HORMONE-DEPENDENT, drug therapy/ \*NEOPLASMS, HORMONE-DEPENDENT, metabolism/ \*RECEPTORS, HORMONE, metabolism/ \*THYROID HORMONES, metabolism/ TRIIODOTHYRONINE, metabolism/ TRIIODOTHYRONINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  556. Burke RE, Gaffney EV: Prolactin can stimulate general protein synthesis in human breast cancer cells (MCF-7) in long-term culture. *Life Sci* 23(9):901-6, 4 Sep 78  
\*BREAST NEOPLASMS, metabolism/ CELLS, CULTURED/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HUMAN/ \*NEOPLASM PROTEINS, biosynthesis/ \*PROLACTIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  557. Burleigh BD, Liu WK, Ward DN: Photocoupling of the subunit of ovine lutropin using a specific aryl azide derivative of the beta subunit. *J Biol Chem* 253(20):7179-85, 25 Oct 78  
AMINO ACID SEQUENCE/ AMINO ACIDS, analysis/ \*AZIDES/ FLUOROBENZENES/ KINETICS/ \*LH/ MACROMOLECULAR SYSTEMS/ PEPTIDE FRAGMENTS, analysis/ PHOTOLYSIS/ PROTEIN BINDING/ SHEEP/ SPECTROPHOTOMETRY/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  558. Burleson RL, Scruggs BF, Brennan A: Successful immunosuppression of renal allograft recipients with alternate day steroid therapy. *Clin Nephrol* 10(3):87-9, Sep 78  
ADOLESCENCE/ ADULT/ CADAVER/ CHILD CREATININE, blood/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG ADMINISTRATION SCHEDULE/ GRAFT REJECTION, drug effects/ HUMAN/ \*IMMUNOSUPPRESSION/ \*KIDNEY, transplantation/ MIDDLE AGE/ \*PREDNISONE, administration & dosage/ TRANSPLANTATION IMMUNOLOGY/ TRANSPLANTATION, ALLOGENEIC
  559. Burnet FM: Cancer: somatic-genetic considerations. *Adv Cancer Res* 28:1-29, 1978 (96 ref.)  
ANIMAL/ CARCINOGENS/ CELL DIFFERENTIATION/ CELL DIVISION/ CLONING CELLS/ DNA POLYMERASES, genetics/ DNA REPAIR/ DNA, metabolism/ ENVIRONMENTAL EXPOSURE/ FETUS, immunology/ GENES, REGULATOR/ GENES, STRUCTURAL/ HORMONES, ECTOPIC, metabolism/ HUMAN/ MORPHOGENESIS/ MUTATION/ NEOPLASM PROTEINS, metabolism/ \*NEOPLASMS, etiology/ NEOPLASMS, familial & genetic/ REVIEW/ SMOKING, complications/ XERODERMA PIGMENTOSUM, metabolism
  560. Burns J, Cresswell E, Ell S, et al: Comparison of the effect of keto acid analogues and essential amino acids on nitrogen homeostasis in uremic patients on moderately protein-restricted diets. *Am J Clin Nutr* 31(10):1767-75, Oct 78  
ADULT/ AGED/ \*AMINO ACIDS, ESSENTIAL/ therapeutic use/ CALCIUM, metabolism/ COMPARATIVE STUDY/ DIETARY PROTEIN administration & dosage/ FEMALE/ HOMEOSTASIS/ HUMAN/ \*KETO ACIDS, therapeutic use/ MIDDLE AGE/ \*NITROGEN, metabolism/ \*UREMIA, diet therapy
  561. Burns JW, Doe JE: A comparison of drug-induced response on rat tracheal, bronchial and lung strip in vitro preparation. *Br J Pharmacol* 64(1):71-4, Sep 78  
\*AIRWAY RESISTANCE, drug effects/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL/ BRONCHI, drug effects/ COMPARATIVE STUDY



# AUTHOR SECTION

- HISTAMINE, pharmacodynamics/ IN VITRO/  
ISOPROTERENOL, pharmacodynamics/ LUNG, drug  
effects/ MALE/ METHACHOLINE COMPOUNDS,  
pharmacodynamics/ PROSTAGLANDINS E,  
pharmacodynamics/ PROSTAGLANDINS F,  
pharmacodynamics/ RATS/ RATS, INBRED  
STRAINS/ SEROTONIN, pharmacodynamics/  
TRACHEA, drug effects
562. Burrow GN, Spaulding SW: Role of lithium in radioiodide  
therapy. pp. 113-9.  
In: Spencer RP, ed. Therapy in nuclear medicine. New  
York, Grune & Stratton, 1978. WN 450 T398 1977.  
CARBIMAZOLE, therapeutic use/ HUMAN/  
HYPERTHYROIDISM, drug therapy/  
\*HYPERTHYROIDISM, radiotherapy/ IODIDES,  
therapeutic use/ \*IODINE RADIOISOTOPES,  
therapeutic use/ LITHIUM, adverse effects/ LITHIUM,  
pharmacodynamics/ \*LITHIUM, therapeutic use/  
MONOGRAPH/ THYROID HORMONES,  
metabolism
563. Burstein S, Hunter SA, Shoupe TS: Inhibition of cholesterol  
esterases by delta 1-tetrahydrocannabinol. Life Sci  
23(9):979-81, 4 Sep 78  
ADRENAL GLANDS, enzymology/ ANIMAL/  
\*CARBOXYLIC ESTER HYDROLASES, antagonists  
& inhibitors/ \*CHOLESTEROL ESTERASE,  
antagonists & inhibitors/ FEMALE/ IN VITRO/  
LIVER, enzymology/ MALE/ OVARY, enzymology/  
RATS/ \*TETRAHYDROCANNABINOL,  
pharmacodynamics/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
564. Burton JL, Harman RM, Peachey RD, et al: A controlled trial  
of azathioprine in the treatment of pemphigoid [proceedings]  
Br J Dermatol 99(Suppl 16):14, Jul 78  
AGED/ \*AZATHIOPRINE, therapeutic use/  
CLINICAL RESEARCH/ COMPARATIVE  
STUDY/ FEMALE/ HUMAN/ MALE/  
\*PEMPHIGUS, drug therapy/ PREDNISONE,  
therapeutic use
565. Burton LE, Wilson WH, Shooter EM: Nerve growth factor  
in mouse saliva. Rapid isolation procedures for and  
characterization of 7 S nerve growth factor. J Biol Chem  
253(21):7807-12, 10 Nov 78  
ANIMAL/ BIOLOGICAL ASSAY/  
COMPARATIVE STUDY/ EPINEPHRINE,  
pharmacodynamics/ MALE/ MICE/ MOLECULAR  
WEIGHT/ \*NERVE GROWTH FACTOR, isolation  
& purification/ PRECIPITIN TESTS/ \*SALIVA,  
analysis/ SALIVA, drug effects/ SALIVA, secretion/  
\*SUBMANDIBULAR GLAND, analysis/  
SUBMANDIBULAR GLAND, drug effects/  
SUBMANDIBULAR GLAND, secretion/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
566. Buschmann W: Diagnostik bei Erkrankung des Auges und der  
Orbita. Indikationen und Aussagemöglichkeiten von  
Ultraschall-Diagnostik und  
Röntgen-Computer-Tomographie. Fortschr Med  
96(36):1785-91, 28 Sep 78 (Eng. Abstr.) (Ger)  
CYSTS, diagnosis/ ENGLISH ABSTRACT/  
EXOPHTHALMOS, diagnosis/ \*EYE DISEASES,  
diagnosis/ EYE FOREIGN BODIES, diagnosis/ EYE  
NEOPLASMS, diagnosis/ HUMAN/ \*ORBITAL  
NEOPLASMS, diagnosis/ RETINAL  
DETACHMENT, diagnosis/ TOMOGRAPHY,  
COMPUTERIZED AXIAL/ ULTRASONICS
567. Buschmann W, Linnert D: Zusammenwirken von  
Ultraschalldiagnostik und Röntgen-Computertomographie  
bei raumfordernden Orbitaprozessen.  
Klin Monatsbl Augenheilkd 173(2):155-70, Aug 78 (Eng.  
Abstr.) (Ger)  
ABCESS, diagnosis/ DIAGNOSIS,  
DIFFERENTIAL/ ENGLISH ABSTRACT/  
EXOPHTHALMOS, diagnosis/ HUMAN/  
MELANOMA, diagnosis/ METHODS/ ORBIT/  
\*ORBITAL NEOPLASMS, diagnosis/ ORBITAL  
NEOPLASMS, radiography/ \*TOMOGRAPHY,  
COMPUTERIZED AXIAL/ \*ULTRASONICS,  
diagnostic use
568. Buser U, Lauffenburger T, Wacker HR, et al:  
Normocalcämische Nephrolithiasis and primärer  
Hyperparathyreoidismus. Helv Chir Acta 45(3):263-6, Jul 78  
(Eng. Abstr.) (Ger)  
ABSORPTION/ CALCIUM, administration & dosage/  
\*CALCIUM, metabolism/ CALCIUM, urine/  
ENGLISH ABSTRACT/ HUMAN/  
\*HYPERPARATHYROIDISM, complications/  
HYPERPARATHYROIDISM, metabolism/  
INFUSIONS, PARENTERAL/ \*KIDNEY  
CALCULI, etiology/ KIDNEY TUBULES, physiology
569. Butenandt O, Grisar T, Hager C: Ausschlussdiagnostik einer  
defizienten Wachstumshormon-sekretion in der  
kinderärztlichen Praxis. Klin Paediatr 190(5):460-4, Sep 78  
(Eng. Abstr.) (Ger)  
CHILD/ DWARFISM, diagnosis/ ENGLISH  
ABSTRACT/ EXERTION/ HUMAN/  
RADIOIMMUNOASSAY/ SOMATOTROPIN,  
blood/ \*SOMATOTROPIN, deficiency
570. Butley MS, Erickson RP, Pratt WB: Hepatic glucocorticoid  
receptors and the H-2 locus. Nature 275(5676):136-8, 14 Sep  
78  
ANIMAL/ CLEFT PALATE, familial & genetic/  
CYTOSOL, metabolism/ \*H-2 ANTIGENS/ H-2  
ANTIGENS, genetics/ KINETICS/ \*LIVER,  
metabolism/ MICE/ MICE, INBRED STRAINS,  
immunology/ MICE, INBRED STRAINS, metabolism/  
RECEPTORS, GLUCOCORTICOID, genetics/  
\*RECEPTORS, GLUCOCORTICOID, metabolism/  
\*RECEPTORS, STEROID, metabolism/  
TRIAMCINOLONE ACETONIDE, metabolism/  
UNITED STATES GOV'T SUPPORTED/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
571. Butov IuS: Klinicheskaia otsenka immunoglobulinov u bol'nykh  
nekotorymi dermatozami. Vestn Dermatol Venerol (8):82-5,  
Aug 78 (Eng. Abstr.) (Rus)  
ADOLESCENCE/ ADRENAL CORTEX  
HORMONES, therapeutic use/ ADULT/ AGED/  
CHRONIC DISEASE/ ENGLISH ABSTRACT/  
FEMALE/ HUMAN/ \*IGA, analysis/ \*IGG, analysis/  
\*IGM, analysis/ IMMUNITY/ MALE/ MIDDLE  
AGE/ RECURRENCE/ SKIN DISEASES, drug  
therapy/ \*SKIN DISEASES, immunology
572. Butrova SA, Marova EI, Bazarova EN: Vedenie bol'nykh posle  
dvustoronnei total'noi adrenalectomii.  
Probl Endokrinol (Mosk) 24(5):54-5, Sep-Oct 78 (Rus)  
ACUTE DISEASE/ ADRENAL GLAND  
HYPOFUNCTION, drug therapy/  
\*ADRENALECTOMY/ BLOOD PRESSURE, drug  
effects/ CUSHING'S SYNDROME, drug therapy/  
CUSHING'S SYNDROME, surgery/  
DESOXYCORTICOSTERONE, administration &  
dosage/ DRUG THERAPY, COMBINATION/  
HUMAN/ HYDROCORTISONE, administration &  
dosage/ \*POSTOPERATIVE CARE, methods/ TIME  
FACTORS
573. Butt KM, Zielinski CM, Parsa I, et al: Trends in  
immunosuppression for kidney transplantation.  
Kidney Int [Suppl] (8):S95-8, Jun 78  
ANTILYMPHOCYTE SERUM, administration &  
dosage/ AZATHIOPRINE, therapeutic use/  
CADAVER/ DRUG THERAPY, COMBINATION/  
GRAFT SURVIVAL/ HUMAN/  
\*IMMUNOSUPPRESSION/ \*KIDNEY,  
transplantation/ METHYLPREDNISOLONE,  
therapeutic use/ PREDNISONE, therapeutic use/  
PROGNOSIS/ T-LYMPHOCYTES, immunology/  
TRANSPLANTATION, ALLOGENEIC
574. Bychkova VI: K differentsial'noi diagnostike zheltukh pri  
tireotoksikoze i virusnom gepatite. Ter Arkh 50(8):51-4, 1978  
(Eng. Abstr.) (Rus)  
CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/  
DIAGNOSTIC ERRORS/ ENGLISH ABSTRACT/  
\*HEPATITIS A, diagnosis/ \*HEPATITIS B, diagnosis/  
HUMAN/ HYPERTHYROIDISM, complications/  
\*HYPERTHYROIDISM, diagnosis/ \*JAUNDICE,  
diagnosis/ JAUNDICE, etiology/ MALE/ MIDDLE  
AGE
575. Byfield PG, Bird D, Yopez R, et al: Reverse triiodothyronine,  
thyroid hormone, and thyrotrophin concentrations in  
placental cord blood. Arch Dis Child 53(8):620-4, Aug 78  
\*FETAL BLOOD, analysis/ HUMAN/ INFANT,  
NEWBORN/ \*THYROID HORMONES, blood/  
\*THYROTROPIN, blood/ THYROXINE BINDING  
PROTEIN, analysis/ THYROXINE, blood/  
\*TRIIODOTHYRONINE, blood/  
\*TRIIODOTHYRONINE, REVERSE, blood
576. Byrne BJ, Byrne BC: Behavior and the excitable membrane  
in Paramecium. CRC Crit Rev Microbiol 6(1):53-108, Sep

# AUTHOR SECTION

- 78 (97 ref.)  
ACTION POTENTIALS/ ANIMAL/ \*BEHAVIOR,  
physiology/ CALCIUM, metabolism/ CELL  
MEMBRANE PERMEABILITY/ \*CELL  
MEMBRANE, physiology/ CELL MEMBRANE,  
ultrastructure/ CILIA, physiology/ CILIA,  
ultrastructure/ HUMAN/ LOCOMOTION/  
MEMBRANE POTENTIALS/ MODELS,  
BIOLOGICAL/ MUTATION/ PARAMECIUM,  
genetics/ \*PARAMECIUM, physiology/  
PARAMECIUM, ultrastructure/ POTASSIUM,  
metabolism/ REVIEW/ SODIUM, metabolism
- C**
577. Cabello G, Michel MC: Semi-automated determination of  
hormonal iodine without incineration. *Ann Rech Vet*  
9(1):89-98, 1978  
ANIMAL/ AUTOANALYSIS/ BROMINE, diagnostic  
use/ CATTLE, blood/ CHROMATOGRAPHY/  
COLORIMETRY/ COMPARATIVE STUDY/  
FEMALE/ GOATS, blood/ INDICATORS AND  
REAGENTS/ \*IODINE, analysis/ IODINE, blood/  
PLASMA, analysis/ RESINS, diagnostic use/ SHEEP,  
blood/ \*THYROID HORMONES, analysis/  
THYROID HORMONES, blood/ THYROXINE,  
analysis
578. Cady B, Meissner WA, Sala LE: Thyroid cancer for forty-one  
years [letter] *N Engl J Med* 299(16):901, 19 Oct 78  
\*ADENOCARCINOMA, mortality/ ADULT/  
AGED/ CASE REPORT/ FEMALE/ HUMAN/  
LYMPHATIC METASTASIS/ PROGNOSIS/  
\*THYROID NEOPLASMS, mortality/ TIME  
FACTORS
579. Caffier H, Rotte K: Zusatztherapie gynäkologischer  
Karzinome. *Med Klin* 73(73):1268-75, 15 Sep 78 (Ger)  
CHORIOCARCINOMA, drug therapy/ COBALT  
RADIOISOTOPES/ \*DOXORUBICIN, therapeutic  
use/ DRUG TOLERANCE/ FEMALE/ \*GENITAL  
NEOPLASMS, FEMALE, therapy/ HUMAN/  
IMIDAZOLES, therapeutic use/  
IMMUNOTHERAPY, standards/ METHOTREXATE,  
therapeutic use/ PATIENT CARE PLANNING/  
RADIOTHERAPY, standards/ SARCOMA, drug  
therapy/ VAGINAL NEOPLASMS, radiotherapy/  
VULVAR NEOPLASMS, radiotherapy/ VULVAR  
NEOPLASMS, surgery
580. Cagin CR, Diloy-Puray M, Westerman MP: Bullets, lead  
poisoning and thyrotoxicosis. *Ann Intern Med* 89(4):509-11,  
Oct 78  
ADULT/ ANEMIA, etiology/ CASE REPORT/  
\*FOREIGN BODIES, complications/ HUMAN/  
\*HYPERTHYROIDISM, complications/  
HYPERTHYROIDISM, metabolism/ \*LEAD  
POISONING, etiology/ LEAD POISONING,  
metabolism/ LEAD, metabolism/ MALE/ WOUNDS,  
GUNSHOT
581. Cahill F, Coghlan JP, Scoggins BA, et al: Blood pressure and  
metabolic effects of adrenocorticotrophin after administration  
to pregnant sheep. *J Endocrinol* 78(2):301-2, Aug 78  
ANIMAL/ \*BLOOD PRESSURE, drug effects/  
\*CORTICOTROPIN, pharmacodynamics/ FEMALE/  
POTASSIUM, metabolism/ PREGNANCY/ SHEEP/  
SODIUM, metabolism
582. Calandi C, Adami Lami Conti C, Emanuele G, et al: Cistinosis.  
Descrizione di un caso con iperaldosteronismo.  
*Minerva Pediatr* 30(20):1611-20, 30 Oct 78 (Eng. Abstr.)  
(Ita)  
CASE REPORT/ CHILD, PRESCHOOL/  
\*CYSTINOSIS, complications/ CYSTINOSIS,  
diagnosis/ CYSTINOSIS, surgery/ ENGLISH  
ABSTRACT/ FEMALE/ HUMAN/  
\*HYPERALDOSTERONISM, complications/  
\*KIDNEY, transplantation/ TRANSPLANTATION,  
HOMOLOGOUS
583. Calandre L, García Albea E, Cahello A, et al:  
Hipoparatiroidismo primario y afectación del sistema  
nervioso periférico. *Rev Clin Esp* 149(6):597-600, 30 Jun 78  
(Spa)  
CASE REPORT/ CHILD/ FEMALE/ HUMAN/  
\*HYPOPARATHYROIDISM, complications/  
\*MOVEMENT DISORDERS, complications/  
\*PERIPHERAL NERVE DISEASES, complications
584. Calderon L, Ryan N, Kovacs K: Human pituitary growth  
hormone cells in old age. *Gerontology* 24(6):441-7, 1978  
ADULT/ AGED/ \*AGING/ COMPARATIVE  
STUDY/ CYTOPLASMIC GRANULES,  
ultrastructure/ FEMALE/ HUMAN/  
IMMUNOENZYME TECHNIQS/ MALE/ MIDDLE  
AGE/ \*PITUITARY GLAND, cytology/  
PITUITARY GLAND, secretion/  
\*SOMATOTROPIN, secretion
585. Caldwell MD, Lacy WW, Exton JH: Effects of adrenalectomy  
on the amino acid and glucose metabolism of perfused rat  
hindlimbs. *J Biol Chem* 253(19):6837-44, 10 Oct 78  
\*ADRENALECTOMY/ AMINO ACIDS, blood/  
\*AMINO ACIDS, metabolism/ ANIMAL/  
\*GLUCOSE, metabolism/ \*HINDLIMB, metabolism/  
HYDROCORTISONE, pharmacodynamics/ MALE/  
MUSCLES, drug effects/ \*MUSCLES, metabolism/  
PERFUSION/ RATS/ UNITED STATES GOVT  
SUPPORTED, P.H.S.
586. Callard IP, Lance V, Salhanick AR, et al: The annual ovarian  
cycle of *Chrysemys picta*: correlated changes in plasma  
steroids and parameters of vitellogenesis.  
*Gen Comp Endocrinol* 35(3):245-57, Jul 78  
ANIMAL/ BLOOD PROTEINS, metabolism/  
CALCIUM, blood/ CHOLESTEROL, blood/  
\*ESTRADIOL, blood/ FEMALE/ ORGAN  
WEIGHT/ OVARY, metabolism/ OVIDUCTS,  
metabolism/ \*OVULATION/ \*PROGESTERONE,  
blood/ SEASONS/ \*TESTOSTERONE, blood/  
\*TURTLES, physiology/ UNITED STATES GOVT  
SUPPORTED
587. Calvert R: Sequential differentiation of intestinal endocrine cell  
in the fetal mouse. *Cell Tissue Res* 192(2):267-76, 5 Sep 78  
ANIMAL/ CELL DIFFERENTIATION/  
CYTOPLASMIC GRANULES, ultrastructure/  
\*DUODENUM, cytology/ \*ENDOCRINE GLAND  
cytology/ ENDOCRINE GLANDS, embryology/  
\*ILEUM, cytology/ \*INTESTINAL MUCOSA,  
cytology/ INTESTINAL MUCOSA, embryology/  
MICE/ TIME FACTORS
588. Cambiaghi G, Paina S: Defect of bone marrow granulocyte  
reserve in liver cirrhosis evaluated with etiocholanolone.  
*Acta Haematol (Basel)* 60(5):291-5, 1978  
ADULT/ AGED/ \*BONE MARROW, pathology/  
ETIOCHOLANOLONE, diagnostic use/ FEMALE/  
\*GRANULOCYTES, pathology/ HUMAN/  
LEUKOCYTE COUNT/ \*LIVER CIRRHOSIS,  
pathology/ MALE/ MIDDLE AGE/ TIME  
FACTORS
589. Cambier J, Masson M, Urbain E, et al: Troubles de la régulation  
thermique et de la régulation hydrique. Processus prolifératif  
réticulo-granulomateux à détermination hypothalamique.  
*Rev Neurol (Paris)* 134(3):197-213, Mar 78 (Eng. Abstr.)  
(Fr)  
AGED/ \*BODY TEMPERATURE REGULATION/  
\*BRAIN DISEASES, complications/ BRAIN  
DISEASES, pathology/ CASE REPORT/ ENGLISH  
ABSTRACT/ FEVER, etiology/ HUMAN/  
\*HYPOTHALAMUS/ HYPOTHALAMUS,  
pathology/ HYPOTHERMIA, etiology/  
INAPPROPRIATE ADH SYNDROME,  
complications/ MALE/ \*WATER-ELECTROLYTE  
IMBALANCE, etiology
590. Cammock DW, Hughes AO: Contraceptive workload in general  
practice in the Trent Region. *J R Coll Gen Pract*  
27(183):610-3, Oct 77  
\*CONTRACEPTIVES, ORAL/ ENGLAND/  
\*FAMILY PRACTICE/ FEMALE/ HUMAN/  
PROSPECTIVE STUDIES/ \*REFERRAL AND  
CONSULTATION
591. Campan L Sr: Neurostimulation—endorphins. Libres propo-  
sées en guise d'introduction. *Ann Anesthesiol Fr* 19(5):299-303,  
1978 (Eng. Abstr.)  
(Fr)  
ANALGESIA/ \*ENDORPHINS, physiology/  
ENGLISH ABSTRACT/ ENKEPHALINS,  
physiology/ HUMAN/ NEUROSURGERY/ \*PAIN  
physiopathology
592. Campbell CS, Finkelstein JS: Rapid re-entrainment of the  
estrous cycle of hamsters to reversal of scotophase and  
photophase. pp. 196-9.  
In: Assenmacher I, Farner DS, ed. *Environmental  
endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1978  
ANIMAL/ \*CIRCADIAN RHYTHM/ ESTRADIOL



# AUTHOR SECTION

- blood/ \*ESTRUS/ FEMALE/ HAMSTERS/ LIGHT/ MONOGRAPH/ PROGESTERONE, blood
93. Campbell J: The BSA method of calculating pediatric drug dosages. *MCN* 3(6):357-60, Nov-Dec 78  
\*BODY SURFACE AREA/ BONE AND BONES, drug effects/ CELL MEMBRANE PERMEABILITY/ CHILD/ \*DRUGS, administration & dosage/ DRUGS, metabolism/ HALF-LIFE/ HUMAN/ LIVER, enzymology/ TOOTH, drug effects
  94. Campbell J, Pierluissi J, Green GR: Somatotrophic diabetes: insulin release responses to arginine and glucagon in dogs. *Diabetologia* 15(3):205-12, Sep 78  
ANIMAL/ \*ARGININE, pharmacodynamics/ BLOOD SUGAR, metabolism/ DIABETES MELLITUS, EXPERIMENTAL, blood/ \*DIABETES MELLITUS, EXPERIMENTAL, metabolism/ DOGS/ FOOD/ \*GLUCAGON, pharmacodynamics/ GLUCOSE, pharmacodynamics/ INSULIN, blood/ \*INSULIN, metabolism/ MALE/ PANCREAS, metabolism/ \*SOMATOTROPIN, pharmacodynamics
  95. Campbell M, Hollander CS, Ferris S, et al: Response to thyrotropin-releasing hormone stimulation in young psychotic children: a pilot study. *Psychoneuroendocrinology* 3(2):195-201, Apr 78  
\*AUTISM, EARLY INFANTILE, blood/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ MALE/ PROLACTIN, blood/ \*SCHIZOPHRENIA, CHILDHOOD, blood/ \*THYROTROPIN RELEASING HORMONE, pharmacodynamics/ THYROTROPIN, blood/ TRIIODOTHYRONINE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  6. Cancroft ET, Montorfano D, Goldfarb CR: Metastases to bone from malignant thymoma detected by technetium phosphate and gallium-67 scintigraphy. *Clin Nucl Med* 3(8):312-4, Aug 78  
ADULT/ \*BONE NEOPLASMS, radionuclide imaging/ CASE REPORT/ FEMALE/ \*GALLIUM RADIOISOTOPES, diagnostic use/ HUMAN/ NEOPLASM METASTASIS/ \*TECHNETIUM, diagnostic use/ \*THYMOMA, pathology/ \*THYMUS NEOPLASMS, pathology
  7. Canelas HM, Carvalho N, Scaff M, et al: Osteoarthropathy of hepatolenticular degeneration. *Acta Neurol Scand* 57(6):481-7, Jun 78  
ADOLESCENCE/ ADULT/ CHILD/ FEMALE/ \*HEPATOLENTICULAR DEGENERATION, complications/ HEPATOLENTICULAR DEGENERATION, radionuclide imaging/ HUMAN/ \*JOINT DISEASES, etiology/ JOINT DISEASES, radionuclide imaging/ JOINTS, radionuclide imaging/ MALE/ METACARPOPHALANGEAL JOINT, radionuclide imaging/ \*OSTEOPOROSIS, etiology/ OSTEOPOROSIS, radionuclide imaging/ SYNOVITIS, etiology/ TECHNETIUM, diagnostic use/ WRIST JOINT, radionuclide imaging
  8. Canella P: Cisti aneurismatica. Cisti ossea. Affinità e differenze. *Chir Organi Mov* 63(6):607-11, 1977 (Ita)  
\*BONE CYST/ BONE CYST, drug therapy/ BONE CYST, pathology/ BONE CYST, surgery/ HUMAN/ PREDNISOLONE, therapeutic use
  9. Cangir A, Smith J, van Eys J: Improved prognosis in children with ovarian cancers following modified VAC (vincristine sulfate, dactinomycin, and cyclophosphamide) chemotherapy. *Cancer* 42(3):1234-8, Sep 78  
ADOLESCENCE/ \*ANTINEOPLASTIC AGENTS, therapeutic use/ DACTINOMYCIN, therapeutic use/ DRUG THERAPY, COMBINATION/ \*DYSGERMINOMA, drug therapy/ FEMALE/ HUMAN/ \*LEYDIG CELL TUMOR, drug therapy/ \*OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, surgery/ PROGNOSIS/ REMISSION/ \*SERTOLI CELL TUMOR, drug therapy/ \*TERATOID TUMOR, drug therapy/ TIME FACTORS/ VINCRIStINE, therapeutic use
  - Cannon JG, Costall B, Laduron PM, et al: Effects of some derivatives of 2-aminotetralin on dopamine-sensitive adenylate cyclase and on the binding of (3H)haloperidol to neuroleptic receptors in the rat striatum. *Biochem Pharmacol* 27(10):1417-20, 15 May 78  
\*ADENYL CYCLASE, metabolism/ ANIMAL/ CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, enzymology/ \*CORPUS STRIATUM, metabolism/ \*DOPAMINE, physiology/ FEMALE/ \*HALOPERIDOL, metabolism/ IN VITRO/ \*NAPHTHALENES, pharmacodynamics/ RATS/ RECEPTORS, DRUG, drug effects/ RECEPTORS, DRUG, metabolism/ STEREOTYPED BEHAVIOR, drug effects/ \*TETRAHYDRONAPHTHALENES, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  601. Cantarow WD, Cheung HT, Sundharadas G: Effects of prostaglandins on the spreading, adhesion and migration of mouse peritoneal macrophages. *Prostaglandins* 16(1):39-46, Jul 78  
ANIMAL/ CELL ADHESION, drug effects/ CELL MOVEMENT, drug effects/ IN VITRO/ \*MACROPHAGES, drug effects/ MALE/ MICE/ MICE, INBRED C57BL/ PERITONEAL FLUID, cytology/ \*PROSTAGLANDINS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  602. Cantell K, Hirvonen S: Preparation of human leukocyte interferon for clinical use. *Tex Rep Biol Med* 35:138-44, 1977  
ALCOHOL, ETHYL/ COLD/ HUMAN/ HYDROGEN-ION CONCENTRATION/ \*INTERFERON, isolation & purification/ \*LEUKOCYTES, immunology/ PRECIPITATION/ THIOCYANATES
  603. Capitanio GL, Conte N, Ragni N, et al: Demonstration of human chorionic gonadotropin during the second half of the menstrual cycle in plasma of regularly menstruating women users of copper IUDs. *Acta Eur Fertil* 9(1):11-9, Mar 78 (Eng, Ita)  
ADULT/ FEMALE/ \*GONADOTROPINS, CHORIONIC, blood/ HUMAN/ \*INTRAUTERINE DEVICES, COPPER/ \*MENSTRUATION/ \*MENSTRUATION, LUTEAL PHASE/ NIDATION/ TIME FACTORS
  604. Cappa F, Concordia N, Mascaretti G, et al: Incidenza dei tumori trofoblastici presso la Clinica Ostetrica e Ginecologica dell'Università de L'Aquila. *Boll Soc Ital Biol Sper* 54(7):651-3, 15 Apr 78 (Ita)  
ADULT/ FEMALE/ HUMAN/ ITALY/ PREGNANCY/ \*TROPHOBLASTIC TUMOR, occurrence/ \*UTERINE NEOPLASMS, occurrence
  605. Cappa F, Concordia N, Mascaretti G, et al: Andamento di alcuni ormoni in gravidanza e loro influenza sul metabolismo degli idrati di carbonio. *Boll Soc Ital Biol Sper* 54(7):647-50, 15 Apr 78 (Ita)  
ADULT/ BLOOD SUGAR, analysis/ \*CARBOHYDRATES, metabolism/ ESTRIOI, blood/ ESTRIOI, physiology/ FEMALE/ GLUCAGON, blood/ GLUCAGON, physiology/ \*HORMONES, blood/ HORMONES, physiology/ HUMAN/ HYDROCORTISONE, blood/ HYDROCORTISONE, physiology/ \*PREGNANCY/ PROGESTERONE, blood/ PROGESTERONE, physiology/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, physiology
  606. Cappelini G, Paylica P, Stasi G, et al: Temporo-mandibular joint changes in renal osteodystrophy. *Radiol Clin (Basel)* 47(5):330-3, 1978  
ADULT/ FEMALE/ HEMODIALYSIS, adverse effects/ HUMAN/ HYPERTHYROIDISM, complications/ RENAL OSTEODYSTROPHY, pathology/ \*RENAL OSTEODYSTROPHY, radiography/ TEMPOROMANDIBULAR JOINT, pathology/ \*TEMPOROMANDIBULAR JOINT, radiography
  607. Caputo RV, Solomon LM: Vascular reactive diseases. *Major Probl Clin Pediatr* 19:404-32, 1978 (165 ref.)  
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ANGIONEUROTIC EDEMA, diagnosis/ CHRONIC DISEASE/ COMPLEMENT, deficiency/ DIAGNOSIS, DIFFERENTIAL/ ERYTHEMA MULTIFORME, diagnosis/ ERYTHEMA, diagnosis/ ERYTHEMA, etiology/ HUMAN/ PITIRIASIS/ REVIEW/ SERUM SICKNESS, diagnosis/ SYNDROME/ \*URTICARIA/ URTICARIA, classification/ URTICARIA, diagnosis/ URTICARIA, etiology/ URTICARIA, pathology/ \*VASCULAR DISEASES/ VASCULAR DISEASES, drug therapy
  608. Capuzzo A, Martini M, Trevisani A: Ca<sup>2+</sup>-activated ATPase of rat liver plasma membrane. *Biochem Exp Biol*

# AUTHOR SECTION

- 13(2):178-86, 1977  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ \*ADENOSINE TRIPHOSPHATASE, CALCIUM, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ CALCIUM, pharmacodynamics/ CATIONS, DIVALENT, pharmacodynamics/ \*CELL MEMBRANE, enzymology/ COMPARATIVE STUDY/ \*LIVER, enzymology/ MAGNESIUM, pharmacodynamics/ MITOCHONDRIA, LIVER, enzymology/ PHOSPHATASES, metabolism/ RATS/ SUBSTRATE SPECIFICITY/ TEMPERATURE
609. Carafoli E, Malmström K, Sigel E, et al: The regulation of intracellular calcium. Clin Endocrinol (Oxf) 5 Suppl:49S-59S, 1976  
ANIMAL/ BIOLOGICAL TRANSPORT/ CALCIUM, metabolism/ \*CALCIUM, physiology/ MAGNESIUM, metabolism/ \*MITOCHONDRIA, metabolism/ MITOCHONDRIA, HEART, metabolism/ SODIUM, metabolism
610. Carafoli E, Crompton M: The regulation of intracellular calcium by mitochondria. Ann NY Acad Sci 307:269-84, 28 Apr 78 (62 ref.)  
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ \*CALCIUM, metabolism/ CARRIER PROTEINS, metabolism/ CELL MEMBRANE, metabolism/ CYTOSOL, metabolism/ ENERGY METABOLISM/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ KINETICS/ MEMBRANES, metabolism/ \*MITOCHONDRIA, metabolism/ MITOCHONDRIA, HEART, metabolism/ ORGANOIDS, metabolism/ RATS/ REVIEW/ SODIUM, pharmacodynamics
611. Carchedi F, Falaschi P, Casacchia M, et al: Modificazioni della prolattina ematica in corso di terapia elettroconvulsivante. Boll Soc Ital Biol Sper 54(8):709-11, 30 Apr 78 (Ita)  
ADULT/ HUMAN/ MALE/ \*PROLACTIN, blood/ SCHIZOPHRENIA, blood/ \*SCHIZOPHRENIA, therapy/ \*SHOCK THERAPY, ELECTRIC
612. Cardinali DP, Vacas MI: Progesterone-induced decrease of pineal protein synthesis in rats. Possible participation in estrous-related changes of pineal function. J Neural Transm 42(3):193-205, 1978  
ACETYLTRANSFERASES, metabolism/ ANIMAL/ CASTRATION/ CIRCADIAN RHYTHM/ ESTRADIOL, pharmacodynamics/ \*ESTRUS/ FEMALE/ LH, blood/ \*NERVE TISSUE PROTEINS, biosynthesis/ \*PINEAL BODY, metabolism/ \*PROGESTERONE, pharmacodynamics/ RATS/ SEROTONIN, metabolism
613. Care AD, Pickard DW, Papapoulos SE, et al: Inhibitory effect of 25,26-dihydroxycholecalciferol on the rate of secretion of parathyroid hormone in goats. J Endocrinol 78(2):303-4, Aug 78  
ANIMAL/ CASTRATION/ \*DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ GOATS/ \*HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ MALE/ \*PARATHYROID HORMONE, secretion/ SECRETORY RATE, drug effects
614. Carlson JC, Gole JW: CL regression in the pseudopregnant rabbit and the effects of treatment with prostaglandin F-2alpha and arachidonic acid. J Reprod Fertil 53(2):381-7, Jul 78  
ANIMAL/ \*ARACHIDONIC ACIDS, pharmacodynamics/ FEMALE/ INDOMETHACIN, pharmacodynamics/ PROGESTERONE, blood/ PROSTAGLANDINS F, blood/ \*PROSTAGLANDINS F, pharmacodynamics/ PSEUDOPREGNANCY/ RABBITS
615. Carmichael J, Duncan D, Crompton GK: Beclomethasone dipropionate dry-powder inhalation compared with conventional aerosol in chronic asthma. Br Med J 2(6138):657-8, 2 Sep 78  
ADULT/ AEROSOLS/ AGED/ \*ASTHMA, drug therapy/ ASTHMA, physiopathology/ \*BECLOMETHASONE, administration & dosage/ CHRONIC DISEASE/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DOUBLE-BLIND METHOD/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ POWDERS/ RESPIRATORY FUNCTION TESTS/ \*RESPIRATORY THERAPY
616. Carmichael SW, Smith DJ: Direct connections between mitochondria and catecholamine-storage vesicles demonstrated by high voltage electron microscopy in rat adrenal medulla. Cell Tissue Res 191(3):421-32, 16 Aug 78  
\*ADRENAL MEDULLA, ultrastructure/ ANIMAL/ CATECHOLAMINES/ ENDOPLASMIC RETICULUM, ultrastructure/ HYPOGLYCEMIA, chemically induced/ \*HYPOGLYCEMIA, pathology/ INSULIN, adverse effects/ \*MITOCHONDRIA, ultrastructure/ \*ORGANOIDS, ultrastructure/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
617. Carmina E, Lo Bartolo G, Lanzara P, et al: Nanismo di Seck. Descrizione di un caso con alterazioni endocrine. Minerva Pediatr 30(20):1635-40, 30 Oct 78 (Eng. Abstr.)  
ABNORMALITIES, MULTIPLE/ ADOLESCENCE CASE REPORT/ \*DWARFISM, complications/ \*ENDOCRINE DISEASES, complications/ ENGLISH ABSTRACT/ HUMAN/ \*INSULIN, secretion/ MALE/ \*PITUITARY HORMONES, ANTERIOR secretion/ SYNDROME
618. Carmona A, Gonzalez-Cadavid NF: Comparative effect of family of substituted thiopseudourea on protein synthesis by rat liver and Walker carcinoma ribosomes. Chem Biol Interact 22(2-3):309-27, Sep 78  
ANIMAL/ CARCINOMA 256, WALKER, drug therapy/ \*CARCINOMA 256, WALKER, metabolism/ COMPARATIVE STUDY/ IN VITRO/ ISOTHIURONIUM, metabolism/ ISOTHIURONIUM, pharmacodynamics/ LEUKEMIA L1210, drug therapy/ LIVER, drug effects/ \*LIVER, metabolism/ MICE/ MICE, INBRED DBA/ \*NEOPLASM PROTEINS, biosynthesis/ \*PROTEINS, biosynthesis/ PUROMYCIN, metabolism/ RATS/ RIBOSOMES, drug effects/ RIBOSOMES, metabolism/ RNA, NEOPLASM, metabolism/ RNA, TRANSFER, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ \*THIOUREA, analogs & derivatives/ THIOUREA, pharmacodynamics
619. Carnegie JA, Robertson HA: Conjugated and unconjugated estrogens in fetal and maternal fluids of the pregnant rat: a possible role for estrone sulfate during early pregnancy. Biol Reprod 19(1):202-11, Aug 78  
\*ALLANTOIS, metabolism/ \*AMNIOTIC FLUID, metabolism/ ANIMAL/ ESTRADIOL, analogs & derivatives/ ESTRADIOL, metabolism/ \*ESTROGENIC SUBSTANCES, CONJUGATED/ ESTROGENS, blood/ \*ESTROGEN, metabolism/ \*ESTRONE, analogs & derivatives/ ESTRONE, metabolism/ FEMALE/ FETAL BLOOD, metabolism/ \*FETAL MEMBRANES, metabolism/ OVARY, blood supply/ PREGNANCY/ \*PREGNANCY, ANIMAL/ SHEEP/ SULFURIC ACIDS/ UTERUS, blood supply
620. Carnes DL Jr, Campbell JW: Incorporation of purines and purine precursors into the nucleotide pool of isolated liver cells. Int J Biochem 9(7):517-21, 1978  
ADENINE, metabolism/ ANIMAL/ ANIMALS, NEWBORN/ BONE AND BONES, cytology/ \*BONE AND BONES, metabolism/ FORMATES, metabolism/ GLYCINE, metabolism/ GUANINE, metabolism/ HYPOXANTHINES, metabolism/ \*PURINE NUCLEOTIDES, biosynthesis/ \*PURINES, metabolism/ RATS/ RNA, biosynthesis/ SKULL, UNITED STATES GOV'T SUPPORTED, P.H.S.
621. Carol W, Lauterbach H, Klinger G, et al: Influence of hormonal contraceptives on the pituitary response to LH/FSH-releasing hormone. Endokrinologie 71(3):277-80, Mar 78  
FEMALE/ \*FSH, blood/ HUMAN/ \*LH, blood/ \*LH-FSH RELEASING HORMONE, diagnostic MENSTRUATION, FOLLICULAR PHASE, drug effects/ MENSTRUATION, LUTEAL PHASE, drug effects/ OVULATION, drug effects/ \*PITUITARY GLAND, physiology
622. Carrick DT, Kuhn NJ: Diurnal variation and response to withdrawal of lactose synthesis in lactating rats. Biochem J 174(1):319-25, 15 Jul 78  
ANIMAL/ BLOOD SUGAR, metabolism/ CARBOHYDRATES, metabolism/ DIURNAL RHYTHM/ FEMALE/ GALACTOSYLTRANSFERASES, metabolism/ INSULIN, metabolism/ \*LACTATION, metabolism/ \*LACTOSE, biosynthesis/ MAMMAE, enzymology/ METHODS/ PREGNANCY/ RATS/ STARVATION
623. Carroll BJ, Steiner M: The psychobiology of premenstrual syndrome. Psychol Bull 84(1):1-10, 1977



## AUTHOR SECTION

- dysphoria: the role of prolactin.  
Psychoneuroendocrinology 3(2):171-80, Apr 78  
ADRENAL CORTEX HORMONES, blood/  
ANIMAL/ CASTRATION/ \*DEPRESSION, blood/  
DEPRESSION, drug therapy/ ESTROGENS, blood/  
FEMALE/ HUMAN/ LITHIUM, therapeutic use/  
MENOPAUSE/ PREGNANCY/ \*PREMENSTRUAL  
TENSION, blood/ PREMENSTRUAL TENSION,  
drug therapy/ PROGESTERONE, blood/  
\*PROLACTIN, blood/ 2-BROMOERGOCRYPTINE,  
therapeutic use
624. Carruba MO, Nisticò G, Gargiulo G: Effect of central nervous system-acting drugs after selective destruction by neurotoxins of 5-hydroxytryptamine fibers in the brain. Ann NY Acad Sci 305:242-58, 12 Jun 78  
ANIMAL/ APOMORPHINE, pharmacodynamics/  
BIOGENIC AMINES, metabolism/ BODY  
TEMPERATURE, drug effects/ \*BRAIN, drug effects/  
BRAIN, metabolism/ \*CENTRAL NERVOUS  
SYSTEM AGENTS, pharmacodynamics/ CHICKENS/  
FENFLURAMINE, pharmacodynamics/  
HYDROXYTRYPTOPHAN, pharmacodynamics/  
MALE/ \*NERVE FIBERS, drug effects/ NERVE  
FIBERS, physiology/ PYROGENS,  
pharmacodynamics/ RABBITS/ \*SEROTONIN  
ANTAGONISTS, pharmacodynamics/ SEROTONIN,  
pharmacodynamics/ \*SEROTONIN, physiology
625. Carson KA, Nemeroff CB, Rone MS, et al: Experimental studies on the ultrastructural localization of acetylcholinesterase in the mediobasal hypothalamus of the rat. J Comp Neurol 182(2):201-19, 15 Nov 78  
\*ACETYLCHOLINESTERASE, metabolism/  
ANIMAL/ BRAIN MAPPING/  
HISTOCYTOCHEMISTRY, methods/  
HYPOTHALAMUS, anatomy & histology/  
\*HYPOTHALAMUS, enzymology/  
HYPOTHALAMUS, ultrastructure/ MALE/  
MEDIAN EMINENCE, enzymology/ NEURONS,  
AFFERENT/ RATS/ SODIUM GLUTAMATE,  
pharmacodynamics/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
626. Carter CJ, Pycock CJ: Differential effects of central serotonin manipulation on hyperactive and stereotyped behaviour. Life Sci 23(9):953-60, 4 Sep 78  
ANIMAL/ APOMORPHINE, pharmacodynamics/  
\*BEHAVIOR, drug effects/ BRAIN CHEMISTRY,  
drug effects/ DOPAMINE, physiology/ DRUG  
INTERACTIONS/ MALE/ METHYLSERGIDE,  
pharmacodynamics/ \*MOTOR ACTIVITY, drug  
effects/ QUIPAZINE, pharmacodynamics/ RATS/  
SEROTONIN ANTAGONISTS, pharmacodynamics/  
\*SEROTONIN, physiology/ \*STEREOTYPED  
BEHAVIOR, drug effects/ TIME FACTORS
627. Carter CJ, Pycock CJ: A study of the sites of interaction between dopamine and 5-hydroxytryptamine for the production of fluphenazine-induced catalepsy. Naunyn Schmiedeberg Arch Pharmacol 304(2):135-9, 12 Sep 78  
ANIMAL/ BEHAVIOR, ANIMAL, drug effects/  
BRAIN CHEMISTRY, drug effects/ \*CATALEPSY,  
chemically induced/ \*DOPAMINE, physiology/  
\*FLUPHENAZINE, pharmacodynamics/ MALE/  
RATS/ \*SEROTONIN, physiology
628. Carter DR: Anisotropic analysis of strain rosette information from cortical bone. J Biomech 11(4):199-202, 1978  
ANIMAL/ BONE AND BONES, anatomy & histology/  
\*BONE AND BONES, physiology/ DOGS/ HUMAN/  
MATHEMATICS/ STRESS, MECHANICAL
629. Carter JN, Tyson JE, Tolis G, et al: Prolactin-screening tumors and hypogonadism in 22 men. N Engl J Med 299(16):847-52, 19 Oct 78  
ADENOMA, CHROMOPHOBE, blood/ ADENOMA,  
CHROMOPHOBE, secretion/ ADENOMA,  
CHROMOPHOBE, therapy/ ADENOMA,  
EOSINOPHILIC, blood/ ADENOMA,  
EOSINOPHILIC, secretion/ ADENOMA,  
EOSINOPHILIC, therapy/ ADULT/ AGED/ CASE  
REPORT/ GALACTORRHEA, etiology/ HUMAN/  
HYPOGONADISM, complications/  
\*HYPOGONADISM, etiology/ IMPOTENCE,  
etiology/ LH, blood/ MALE/ MIDDLE AGE/  
PITUITARY NEOPLASMS, blood/ \*PITUITARY  
NEOPLASMS, secretion/ PITUITARY  
NEOPLASMS, therapy/ PROLACTIN, blood/  
\*PROLACTIN, secretion/ TESTOSTERONE, blood/  
TESTOSTERONE, therapeutic use/ UNITED  
STATES GOV'T SUPPORTED/ VISION  
DISORDERS, etiology/  
2-BROMOERGOCRYPTINE, therapeutic use
630. Carter P: A convenient method for the determination of non-specific binding in commercially available solid phase iodine labeled radioimmunoassay kits. Clin Biochem 11(3):97-100, Jun 78  
COBALT RADIOISOTOPES/ COMPARATIVE  
STUDY/ \*DIGOXIN, blood/ EVALUATION  
STUDIES/ HUMAN/ HYDROCORTISONE, blood/  
IODINE RADIOISOTOPES/  
\*RADIOIMMUNOASSAY, methods/ REAGENT  
KITS, DIAGNOSTIC
631. Carter RJ, Shuster S: Sensitive new in vitro bioassay for melanocyte-stimulating activity using the skin of Anolis carolinensis. J Invest Dermatol 71(4):229-32, Oct 78  
ANIMAL/ \*BIOLOGICAL ASSAY/  
CORTICOTROPIN, pharmacodynamics/  
DOSE-RESPONSE RELATIONSHIP, DRUG/ IN  
VITRO/ LIZARDS/ \*MSH, analysis/ MSH,  
pharmacodynamics/ \*SKIN, drug effects
632. Carter RL, Ird EA: Tumours of the ovary. IARC Sci Publ (6):189-200, 1976 (40 ref.)  
ANIMAL/ COMPARATIVE STUDY/  
CYSTADENOCARCINOMA, pathology/  
CYSTADENOMA, pathology/ DISEASE MODELS,  
ANIMAL/ FEMALE/ FIBROMA, pathology/  
FIBROSARCOMA, pathology/ GRANULOSA CELL  
TUMOR, pathology/ HORMONES/ NEOPLASM  
METASTASIS/ NEOPLASMS, EXPERIMENTAL,  
pathology/ NEOPLASMS, RADIATION-INDUCED,  
etiology/ OVARIAN NEOPLASMS, etiology/  
\*OVARIAN NEOPLASMS, pathology/ OVARY,  
transplantation/ RATS/ REVIEW/  
TRANSPLANTATION, AUTOLOGOUS
633. Cassel D, Selinger Z: Mechanism of adenylate cyclase activation through the beta-adrenergic receptor: catecholamine-induced displacement of bound GDP by GTP. Proc Natl Acad Sci USA 75(9):4155-9, Sep 78  
\*ADENYL CYCLASE, metabolism/ ANIMAL/  
BINDING SITES/ \*CATECHOLAMINES,  
pharmacodynamics/ ENZYME ACTIVATION/  
ERYTHROCYTE MEMBRANE, metabolism/ EDTA,  
pharmacodynamics/ \*GUANINE NUCLEOTIDES,  
metabolism/ GUANOSINE DIPHOSPHATE,  
metabolism/ \*RECEPTORS, ADRENERGIC, drug  
effects/ \*RECEPTORS, ADRENERGIC, BETA, drug  
effects/ TURKEYS/ UNITED STATES GOV'T  
SUPPORTED
634. Castañeda Casado J, de Frutos Herranz M, Aguado Matorras A: Efectos cardiovasculares comparativos de anestésicos intravenosos de acción breve (y parte 2. Mecanismo de acción de althesin sobre la presión arterial. Rev Esp Anestesiología Reanim 25(2):89-97, Mar 78 (Eng. Abstr.) (Spa)  
ALTHESIN, administration & dosage/ \*ALTHESIN,  
pharmacodynamics/ \*ANESTHESIA,  
INTRAVENOUS/ ANIMAL/ \*BLOOD PRESSURE,  
drug effects/ CATS/ COMPARATIVE STUDY/  
ENGLISH ABSTRACT/ INJECTIONS,  
INTRAVENOUS/ \*MYOCARDIAL  
CONTRACTION, drug effects/  
\*PREGNANEDIONES, pharmacodynamics/  
PROPANIDID, administration & dosage/  
PROPANIDID, pharmacodynamics
635. Castañeda-Peña G, Zamora-López G, Cortés-Gallegos V: Medicion de prostaglandinas F en el plasma de hombres sanos. Rev Invest Clin 30(3):283-9, Jul-Sep 78 (Eng. Abstr.) (Spa)  
ADULT/ ENGLISH ABSTRACT/ HUMAN/  
MALE/ \*PROSTAGLANDINS F, blood/  
RADIOIMMUNOASSAY, methods/ TESTIS,  
physiology
636. Castel M: Immunocytochemical evidence for vasopressin receptors. J Histochem Cytochem 26(7):581-92, Jul 78  
ANIMAL/ BINDING SITES/ CYTOPLASMIC  
GRANULES/ DENSITOMETRY/ IMMUNE  
SERUMS, isolation & purification/ IMMUNE  
SERUMS, pharmacodynamics/ IMMUNOENZYME  
TECHNIQUES/ LYPRESSIN, immunology/ MALE/  
MICE/ \*PITUITARY GLAND, ultrastructure/  
\*VASOPRESSINS



# AUTHOR SECTION

637. Castle WM, Sapire KE, Howard KA: Efficacy and acceptability of injectable medroxyprogesterone. A comparison of 3-monthly and 6-monthly regimens. *S Afr Med J* 53(21):842-5, 27 May 78  
ADULT/ AMENORRHEA, chemically induced/ BLOOD PRESSURE, drug effects/ BODY WEIGHT, drug effects/ COMPARATIVE STUDY/ DRUG ADMINISTRATION SCHEDULE, economics/ DRUG EVALUATION/ FEMALE/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ \*MEDROXYPROGESTERONE, administration & dosage/ MEDROXYPROGESTERONE, adverse effects/ MENORRHAGIA, chemically induced/ PATIENT PARTICIPATION
638. Catane R: Clinical experience with estramustine phosphate and predinimustine, two steroidal alkylating agents compounds [proceedings] *Cancer Treat Rep* 62(8):1264-5, Aug 78  
\*CHLORAMBUCIL, analogs & derivatives/ CHLORAMBUCIL, therapeutic use/ \*ESTRAMUSTINEPHOSPHATE, therapeutic use/ HUMAN/ MALE/ \*NITROGEN MUSTARD COMPOUNDS, therapeutic use/ \*PREDNISOLONE, analogs & derivatives/ PREDNISOLONE, therapeutic use/ \*PROSTATIC NEOPLASMS, drug therapy
639. Cavalli F: Die Chemotherapie der urologischen Karzinome. *Helv Chir Acta* 45(3):223-32, Jul 78 (43 ref.) (Eng. Abstr.) (Ger)  
BLADDER NEOPLASMS, drug therapy/ \*DIAMMONIUM CHLOROPLATINUM COMPOUNDS, therapeutic use/ \*DOXORUBICIN, therapeutic use/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ KIDNEY NEOPLASMS, drug therapy/ KIDNEY, drug effects/ MALE/ OVARIAN NEOPLASMS, drug therapy/ PLATINUM DIAMMINODICHLORIDE, adverse effects/ \*PLATINUM DIAMMINODICHLORIDE, therapeutic use/ REVIEW/ TESTICULAR NEOPLASMS, drug therapy/ \*UROLOGIC NEOPLASMS, drug therapy
640. Cecat P, Sonnenfeld H, Boittiaux P, et al: Préparation à l'intervention des phéochromocytomes par les alpha-bloquants. *Anesth Analg (Paris)* 35(2):219-26, Mar-Apr 78 (Fre)  
\*ADRENAL GLAND NEOPLASMS, surgery/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, adverse effects/ \*ADRENERGIC ALPHA RECEPTOR BLOCKADERS, therapeutic use/ ADULT/ AGED/ DRUG TOLERANCE/ FEMALE/ HUMAN/ HYPERTENSION, drug therapy/ MALE/ MIDDLE AGE/ PHENOXYBENZAMINE, therapeutic use/ PHENTOLAMINE, therapeutic use/ \*PHEOCHROMOCYTOMA, surgery/ PREMEDICATION
641. Cederblad G, Engström G: Effect of thyroxine treatment on carnitine levels in mice. *Acta Pharmacol Toxicol (Copenh)* 43(1):1-5, Jul 78  
ANIMAL/ CARNITINE, blood/ \*CARNITINE, metabolism/ MALE/ MICE/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ \*THYROXINE, pharmacodynamics
642. Ceremużyński L, Lada W, Matwyszyn B, et al: Patients with intractable angina: free thyroxine index, immunoreactive insulin and free fatty acids in blood, free adrenaline and noradrenaline in urine. *Eur J Cardiol* 7(5-6):353-65, Jul 78  
ADULT/ AGED/ \*ANGINA PECTORIS, metabolism/ DIABETES MELLITUS, blood/ \*EPINEPHRINE, urine/ \*FATTY ACIDS, NONESTERIFIED, blood/ HUMAN/ \*INSULIN, blood/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCTION, metabolism/ \*NOREPINEPHRINE, urine/ \*THYROXINE, blood
643. Cerimele D, Serri F: Acne polimorfa giovanile. *Minerva Med* 69(41):2765-71, 8 Sep 78 (Ita)  
\*ACNE/ ACNE, drug therapy/ ACNE, etiology/ ACNE, pathology/ ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ BENZOYL PEROXIDE, therapeutic use/ CHILD/ ESTROGENS, therapeutic use/ HUMAN/ TETRACYCLINES, therapeutic use/ TRETINOIN, therapeutic use/ VITAMIN A, therapeutic use
644. Cerri C, Canal N, Frattola L: Guanylate cyclase activity in normal and diseased human muscle. *J Neurol Neurosurg Psychiatry* 41(9):805-8, Sep 78  
GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ \*GUANYL CYCLASE, metabolism/ HUMAN/ MITOCHONDRIA, MUSCLE, enzymology/ \*MUSCLES, enzymology/ MUSCULAR ATROPHY, enzymology/ \*MUSCULAR DISEASES, enzymology/ MUSCULAR DYSTROPHY, enzymology/ MYASTHENIA GRAVIS, enzymology/ MYOSITIS, enzymology
645. Cervantes LF, López Barcena J, Calderón Márquez JJ: Alteraciones en las pruebas de laboratorio después de tratamiento con un nuevo anovulatorio. *Ginecol Obstet Mex* 43(258):285-97, Apr 78 (70 ref.) (Eng. Abstr.) (Sp)  
ALKALINE PHOSPHATASE, blood/ AMINOTRANSFERASES, blood/ BLOOD PLATELETS, drug effects/ CHOLESTEROL, blood/ COMPARATIVE STUDY/ \*CONTRACEPTIVES, ORAL, pharmacodynamics/ \*CONTRACEPTIVES, ORAL, COMBINED, pharmacodynamics/ DRUG EVALUATION/ ENGLISH ABSTRACT/ \*ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ \*METABOLIC DISEASES, chemically induced/ \*NORGESTREL, analogs & derivatives/ NORGESTREL, pharmacodynamics/ PREGNANCY PROTEIN-BOUND IODINE TEST/ REVIEW/ TIME FACTORS
646. Chabardès D, Imbert-Teboul M, Gagnan-Brunette M, et al: Different hormonal target sites along the mouse and rabbit nephrons. *Curr Probl Clin Biochem* 8:447-54, 23-26 Oct 78  
\*ADENYL CYCLASE, metabolism/ ANIMAL/ \*ARGIPRESSIN, pharmacodynamics/ \*CALCITONIN, pharmacodynamics/ COMPARATIVE STUDY/ ISOPROTERENOL, pharmacodynamics/ KIDNEY MEDULLA, drug effects/ \*KIDNEY MEDULLA, enzymology/ KIDNEY TUBULES, drug effects/ \*KIDNEY TUBULES, enzymology/ MICE/ NEPHRONS, drug effects/ \*NEPHRONS, enzymology/ \*PARATHYROID HORMONE, pharmacodynamics/ RABBITS/ SPECIES SPECIFICITY
647. Chaiyabutr N, Jakobsen PE: The influence of dietary iodine and environmental temperature on the activity of mitochondria in liver and kidney. *Z Tierphysiol* 40(5):225-33, Aug 78  
ANIMAL/ DIET/ \*IODINE, pharmacodynamics/ KIDNEY, cytology/ MALE/ MITOCHONDRIA, drug effects/ \*MITOCHONDRIA, metabolism/ \*MITOCHONDRIA, LIVER, metabolism/ RABBITS/ TEMPERATURE
648. Chalmers JP, Wing LM: Central serotonergic neurons and experimental neurogenic and renal hypertension in the rabbit. *Clin Sci Mol Med* 48 Suppl 2:279s-282s, Jun 75  
ANIMAL/ \*BLOOD PRESSURE/ CENTRAL NERVOUS SYSTEM, physiology/ CISTERNA MAGNA/ HYPERTENSION, RENAL, physiopathology/ INJECTIONS/ MALE/ NEURON physiology/ RABBITS/ \*SEROTONIN, physiology/ 5,6-DIHYDROXYTRYPTAMINE, administration & dosage
649. Chalmers RJ, Bennie EH: The effect of fluphenazine on basal prolactin concentrations. *Psychol Med* 8(3):483-6, Aug 78  
ADULT/ AGED/ ALCOHOLISM, blood/ ALCOHOLISM, drug therapy/ CHRONIC DISEASES/ COMPARATIVE STUDY/ FEMALE/ FLUPHENAZINE, administration & dosage/ \*FLUPHENAZINE, pharmacodynamics/ FLUPHENAZINE, therapeutic use/ HUMAN/ INJECTIONS, INTRAMUSCULAR/ MALE/ MIDDLE AGE/ \*PROLACTIN, blood/ SCHIZOPHRENIA, blood/ SCHIZOPHRENIA, drug therapy/ TIME FACTORS
650. Chalvardjian A: Sarcoidosis of the female genital tract. *Am J Obstet Gynecol* 132(1):78-80, 1 Sep 78  
CASE REPORT/ \*ENDOMETRIUM, pathology/ FEMALE/ \*GRANULOMA, pathology/ HUMAN/ MIDDLE AGE/ \*OVARIAN DISEASES, pathology/ \*SARCOIDOSIS, pathology/ UTERINE DISEASES, pathology
651. Chambers KC, Sengstake CB: Pseudo-castration effects of social isolation on extinction of a taste aversion. *Physiol Behav* 21(1):29-32, Jul 78  
ANIMAL/ \*AVOIDANCE LEARNING, physiology/ \*EXTINCTION (PSYCHOLOGY), physiology/



# AUTHOR SECTION

- FEMALE/ MALE/ RATS/ SEX FACTORS/  
\*SOCIAL ISOLATION/ \*TASTE, physiology/  
TESTOSTERONE, physiology/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
652. Chamness GC, Zava DT, McGuire WL: Methods for assessing the binding of steroid hormones in nuclei. *Methods Cell Biol* 17:325-38, 1978  
\*CELL NUCLEUS, metabolism/ \*HORMONES, metabolism/ METHODS/ \*RECEPTORS, HORMONE, metabolism/ \*STEROIDS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
653. Champion S, Jacquemin C: The role of cyclic GMP in the action of carbamylcholine on the cycli AMP level in the dog thyroid. *FEBS Lett* 92(2):156-8, 15 Aug 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ \*CARBACHOL, pharmacodynamics/ DOGS/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ IN VITRO/ KINETICS/ \*PROTAGLANDINS F, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics/ \*THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ THYROTROPIN, antagonists & inhibitors/ THYROTROPIN, pharmacodynamics
654. Chan DK, Woo NY: Effect of glucagon on the metabolism of the eel, *Anguilla japonica*. *Gen Comp Endocrinol* 35(3):216-25, Jul 78  
\*ANGUILLA, metabolism/ ANIMAL/ BLOOD SUGAR, metabolism/ COMPARATIVE STUDY/ \*GLUCAGON, pharmacodynamics/ GLYCOGEN, metabolism/ HYPOPHYSECTOMY/ LIPIDS, metabolism/ LIVER, metabolism/ MUSCLES, metabolism/ NITROGEN, metabolism/ OXYGEN CONSUMPTION, drug effects/ PROTEINS, metabolism
655. Chan DK, Woo NY: Effect of cortisol on the metabolism of the eel, *Anguilla japonica*. *Gen Comp Endocrinol* 35(3):205-15, Jul 78  
\*ANGUILLA, metabolism/ ANIMAL/ COMPARATIVE STUDY/ GLYCOGEN, metabolism/ \*HYDROCORTISONE, pharmacodynamics/ HYPOPHYSECTOMY/ LIPIDS, metabolism/ LIVER, metabolism/ NITROGEN, metabolism/ OXYGEN CONSUMPTION, drug effects/ POTASSIUM, metabolism
656. Chan MY, Tse A: The effect of cannabinoids (delta9-THC and delta8-THC) on hepatic microsomal metabolism of testosterone in vitro. *Biochem Pharmacol* 27(13):1725-8, 1978  
ANIMAL/ HYDROXYLATION/ IN VITRO/ KINETICS/ MALE/ MICROSOMES, LIVER, drug effects/ \*MICROSOMES, LIVER, metabolism/ OXIDATION-REDUCTION/ RATS/ \*TESTOSTERONE, metabolism/ \*TETRAHYDROCANNABINOL, pharmacodynamics
657. Chan PS, Ellis S, Mühlbachová E: Differences in dihydroergotamine antagonism of glucose release by catecholamines, glucagon and adenosine 3',5'-monophosphate in rabbit liver slices. *Br J Pharmacol* 63(4):593-7, Aug 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, antagonists & inhibitors/ ANIMAL/ \*CATECHOLAMINES, antagonists & inhibitors/ COMPARATIVE STUDY/ \*DIHYDROERGOTAMINE, pharmacodynamics/ FEMALE/ \*GLUCAGON, antagonists & inhibitors/ \*GLUCOSE, metabolism/ IN VITRO/ LIVER, drug effects/ \*LIVER, metabolism/ MALE/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
658. Chan SH, Yeo PP, Lui KF, et al: HLA and thyrotoxicosis (Graves' disease) in Chinese. *Tissue Antigens* 12(2):109-14, Aug 78  
CHINA/ FEMALE/ GENE FREQUENCY/ HETEROZYGOTE/ HISTOCOMPATIBILITY TESTING/ HOMOZYGOTE/ HUMAN/ \*HYPERTHYROIDISM, immunology/ \*HL-A ANTIGENS/ MALE
659. Chand D, Arneja DV, Arora KL: Relation of testicular ascorbic acid concentration to testicular development in Desi & White Leghorn poultry. *Indian J Exp Biol* 16(6):676-8, Jun 78  
AGE FACTORS/ ANIMAL/ \*ASCORBIC ACID, analysis/ \*CHICKENS, metabolism/ MALE/ \*TESTIS, analysis/ TESTIS, growth & development
660. Chandhary LR, Kon IY, Pokrovsky AA: Activity of phospholipases A and some lysosomal enzymes in rat testes at different stages of hypervitaminosis A. *Experientia* 34(8):991-2, 15 Aug 78  
ANIMAL/ LYSOSOMES, enzymology/ MALE/ \*PHOSPHOLIPASE, metabolism/ RATS/ TESTIS, drug effects/ \*TESTIS, enzymology/ \*VITAMIN A, toxicity
661. Chandhoke N, Gupta S: Estrogenic activity of DQ1—a steroidal lactone—isolated from *Datura quercifolia*. *Indian J Exp Biol* 16(6):648-52, Jun 78  
ANIMAL/ CERVIX UTERI, drug effects/ \*ESTROGENS/ FEMALE/ \*LACTONES, pharmacodynamics/ RATS/ STRAMONIUM/ \*UTERUS, drug effects/ \*VAGINA, drug effects
662. Chandler DE: Control of pancreatic enzyme secretion: a critique on the role of calcium. *Life Sci* 23(4):323-33, 24 Jul 78 (72 ref.)  
ANIMAL/ CALCIUM, metabolism/ \*CALCIUM, physiology/ CHOLECYSTOKININ, pharmacodynamics/ IN VITRO/ MEMBRANE POTENTIALS, drug effects/ PANCREAS, drug effects/ \*PANCREAS, enzymology/ PANCREAS, metabolism/ PARASYMPATHOMIMETICS, pharmacodynamics/ RECEPTORS, DRUG, drug effects/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.
663. Chandley AC, Edmond P, Christie S, et al: Cytogenetics and infertility in man. I. Karyotype and seminal analysis: results of a five-year survey of men attending a subfertility clinic. *Ann Hum Genet* 39(2):231-54, Oct 75  
ADULT/ CELL NUMBER/ CHEEK, ultrastructure/ \*CHROMOSOME ABERRATIONS/ HUMAN/ KARYOTYPING/ LYMPHOCYTES, ultrastructure/ MALE/ MIDDLE AGE/ PEDIGREE/ SEX CHROMATIN/ SPERM MOTILITY/ SPERMATOZOA, cytology/ SPERMATOZOA, ultrastructure/ \*STERILITY, MALE, familial & genetic
664. Chandola A, Thapliyal JP: Regulation of reproductive cycles of tropical spotted munia and weaverbird. pp. 61-3. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
ANIMAL/ \*BIRDS, physiology/ COMPARATIVE STUDY/ FEMALE/ GRAAFIAN FOLLICLE, physiology/ MALE/ MONOGRAPH/ \*PERIODICITY/ \*REPRODUCTION/ SPECIES SPECIFICITY/ TESTIS, physiology/ THYROID GLAND, physiology/ TROPICAL CLIMATE
665. Chandra G, Luty K: Acute anterior uveitis: injecting a speedier recovery. *Nurs Mirror* 147(18):34, 2 Nov 78  
ACUTE DISEASE/ ADULT/ AGED/ HUMAN/ INJECTIONS/ \*IRIDOCYCLITIS, drug therapy/ \*METHYLPREDNISOLONE, administration & dosage/ MIDDLE AGE
666. Changaris DG, Severs WB, Keil LC: Localization of angiotensin in rat brain. *J Histochem Cytochem* 26(7):593-607, Jul 78  
\*ANGIOTENSIN II/ ANGIOTENSIN III/ ANIMAL/ BRAIN STEM/ \*BRAIN/ CEREBELLAR NUCLEI/ FLUORESCENT ANTIBODY TECHNIC/ HYPOTHALAMUS, blood supply/ MALE/ NEURONS/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
667. Chapler FK, Sherman BM, Swanson JA: The effects of an antihistamine and/or a glucocorticoid on the prolactin response to surgical procedures. *Am J Obstet Gynecol* 132(4):367-72, 15 Oct 78  
ADULT/ ANESTHETICS, pharmacodynamics/ \*DEXAMETHASONE, pharmacodynamics/ DRUG SYNERGISM/ FEMALE/ HUMAN/ \*PROLACTIN, blood/ \*PROMETHAZINE, pharmacodynamics/ \*SURGERY, OPERATIVE
668. Chapman ES, Heidger PM Jr, Harrison RM, et al: Vasectomy in rhesus monkeys. IV. Electron microscopic studies of the seminiferous epithelium. *Anat Rec* 192(1):41-53, Sep 78  
ANIMAL/ GRANULOMA, etiology/ \*MACACA, anatomy & histology/ MALE/ MONKEYS/ \*RHESUS MONKEYS, anatomy & histology/ RHESUS MONKEYS, surgery/ SEMINIFEROUS EPITHELIUM, ultrastructure/ \*TESTIS, ultrastructure/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VAS DEFERENS, pathology/ VASECTOMY, methods/ \*VASECTOMY, veterinary

# AUTHOR SECTION

669. Chapnick BM, Feigen LP, Hyman AL, et al: Differential effects of prostaglandins in the mesenteric vascular bed. *Am J Physiol* 235(3):H326-32, Sep 78  
ANIMAL/ \*ARACHIDONIC ACIDS, pharmacodynamics/ DOGS/ FEMALE/ INTESTINES, blood supply/ KIDNEY, blood supply/ MALE/ \*MESENTERIC ARTERIES, physiology/ \*PROSTAGLANDINS D, pharmacodynamics/ \*PROSTAGLANDINS E, pharmacodynamics/ \*PROSTAGLANDINS F, pharmacodynamics/ \*PROSTAGLANDINS X, pharmacodynamics/ \*PROSTAGLANDINS, pharmacodynamics/ REGIONAL BLOOD FLOW, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.
670. Chappel SC, Norman RL, Spies HG: Effects of estradiol on serum and pituitary gonadotropin concentrations during selective elevation of follicle stimulating hormone. *Biol Reprod* 19(1):159-66, Aug 78  
ANIMAL/ CASTRATION/ \*ESTRADIOL, pharmacodynamics/ \*ESTRUS, drug effects/ FEMALE/ FSH, blood/ \*FSH, secretion/ HAMSTERS/ LH, blood/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MESOCRICETUS/ PHENOBARBITAL, pharmacodynamics/ \*PITUITARY GLAND, metabolism/ PROESTRUS, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.
671. Chapple DJ, Disting GJ, Hughes R, et al: A vagal reflex contributes to the hypotensive effect of prostacyclin in anaesthetized dogs [proceedings] *J Physiol (Lond)* 281:43P-44P, Aug 78  
ANIMAL/ \*BLOOD PRESSURE, drug effects/ DOGS/ HEART RATE, drug effects/ NEURONS, AFFERENT, physiology/ \*PROSTAGLANDINS X, pharmacodynamics/ \*PROSTAGLANDINS, pharmacodynamics/ REFLEX, physiology/ \*VAGUS NERVE, physiology
672. Charest-Boulé L, Mehdi AZ, Sandor T: Corticosteroid receptors in the avian kidney. *Steroids* 32(1):109-26, Jul-Aug 78  
\*ADRENAL CORTEX HORMONES, metabolism/ ALDOSTERONE, metabolism/ ANIMAL/ BINDING, COMPETITIVE/ CELL-FREE SYSTEM/ CENTRIFUGATION, DENSITY GRADIENT/ CYTOSOL, metabolism/ \*DUCKS, metabolism/ IN VITRO/ \*KIDNEY, metabolism/ KIDNEY, ultrastructure/ KINETICS/ MALE/ \*RECEPTORS, STEROID, metabolism
673. Charoenkul V, Jimarkon P: Gigantic bilateral aberrant axillary breasts: a case report. *Mt Sinai J Med (NY)* 45(4):455-9, Jul-Aug 78  
ADULT/ \*BREAST, abnormalities/ CASE REPORT/ FEMALE/ HUMAN/ LACTATION/ PREGNANCY
674. Chartier M: Les dosages hormonaux en cas de menace d'avortement du 1er trimestre. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):673-7, Apr 78 (Eng. Abstr.) (Fre)  
\*ABORTION, THREATENED, blood/ ENGLISH ABSTRACT/ FEMALE/ \*GONADOTROPINS, CHORIONIC, blood/ HUMAN/ PREGNANCY TRIMESTER, FIRST/ PREGNANCY/ \*PROGESTERONE, blood
675. Chatterjee S, Greenwald GS: Biochemical changes in the corpora lutea of pregnant and lactating hamsters. *J Endocrinol* 78(2):261-5, Aug 78  
ANIMAL/ CHOLESTEROL, metabolism/ CORPUS LUTEUM, enzymology/ \*CORPUS LUTEUM, metabolism/ DNA, metabolism/ FEMALE/ \*HAMSTERS, metabolism/ \*LACTATION/ \*MESOCRICETUS, metabolism/ PREGNANCY/ \*PREGNANCY, ANIMAL/ PROTEINS, metabolism/ RNA, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
676. Chattopadhyay B, Thomas E: Susceptibility of noxythiolin resistant organisms to povidone iodine. *J Antimicrob Chemother* 4(4):383-5, Jul 78  
DRUG RESISTANCE, MICROBIAL/ \*KLEBSIELLA PNEUMONIAE, drug effects/ \*NOXYTHIOLIN, pharmacodynamics/ \*POLYVINYLPIRROLIDONE, analogs & derivatives/ \*POVIDONE-IODINE, pharmacodynamics/ \*PSEUDOMONAS AERUGINOSA, drug effects/ \*THIOUREA, analogs & derivatives/ TIME FACTORS
677. Chaudhuri PK, Walker MJ: Regulatory effect of steroid hormones on the growth of human malignant melanoma. *Proc Inst Med Chic* 32(3):45-7, Jul-Sep 78  
ADOLESCENCE/ ADULT/ CLONE CELLS/ FEMALE/ HUMAN/ MALE/ \*MELANOMA, pathology/ MIDDLE AGE/ RECEPTORS, STEROID, analysis/ \*SEX HORMONES, pharmacodynamics
678. Chaussain JL, Brijawi A, Georges P, et al: Variations of sex testosterone estradiol binding globulin (TeBG) binding capacity in infants during the first year of life. *Acta Paediatr Scand* 67(5):649-53, Sep 78  
AGE FACTORS/ ESTRADIOL, blood/ FEMALE/ \*FETAL BLOOD, analysis/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ SEX FACTORS/ \*SEX HORMONE BINDING GLOBULIN/ SEX HORMONE BINDING GLOBULIN, analysis/ TESTOSTERONE, blood
679. Chebotareva LL, Popovichenko NV: Ob uchasii stvolovoy struktur mozga v regulatsii sekretsii vazopressina-AD. *Fiziol Zh* 24(5):651-8, Sep-Oct 78 (Eng. Abstr.) (U)  
ANIMAL/ BRAIN MAPPING/ \*BRAIN STEM, physiology/ ENGLISH ABSTRACT/ \*HYPOTHALAMUS, physiology/ MALE/ NEURON, physiology/ PATHWAYS, physiology/ RATS/ \*SUPRAOPTIC NUCLEUS, physiology/ \*VASOPRESSINS, secretion
680. Chebysheva AZ, Smirnov IuP: Kliniko-anatomicheskie pri gipotireoze u detei. *Pediatrica* (9):50-3, Sep 78 (Eng. Abstr.)  
CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, drug therapy/ INFANT/ MALE/ MYXEDEMA, etiology/ THYROID HORMONES, therapeutic use
681. Check W: High marks for hyperthyroid therapies [news]. *JAMA* 240(17):1832-3, 20 Oct 78  
ADULT/ AGE FACTORS/ FEMALE/ HUMAN/ HYPERTHYROIDISM, drug therapy/ \*HYPERTHYROIDISM, radiotherapy/ \*IODINE RADIOISOTOPES, therapeutic use/ MALE/ OVA, radiation effects/ RADIOTHERAPY DOSAGE
682. Checkley SA: Thyrotoxicosis and the course of manic-depressive illness. *Br J Psychiatry* 133:219-23, 78  
ADULT/ AGED/ CASE REPORT/ FEMALE/ HOSPITALS, PSYCHIATRIC/ HUMAN/ \*HYPERTHYROIDISM, complications/ MALE/ MIDDLE AGE/ \*PSYCHOSES, MANIC-DEPRESSIVE, complications/ RECURRENCE/ RETROSPECTIVE STUDIES
683. Cheesbrough MJ: Poikiloderma congenitale (Thomson-Rothmund syndrome). *Br J Dermatol* 99(S 16):66-7, Jul 78  
ADOLESCENCE/ BONE AND BONES, pathology/ CASE REPORT/ FEMALE/ HUMAN/ \*POIKILODERMA CONGENITALE, pathology/ \*SKIN DISEASES, pathology/ SKIN PIGMENTATION/ SKIN, pathology
684. Chen CL, Feigelson P: Glucocorticoid induction of alpha2u-globulin protein synthesis and its mRNA in hepatocytes in vitro. *J Biol Chem* 253(21):7880-5, 10 78  
\*ALPHA MACROGLOBULINS, biosynthesis/ \*AMANITINS, pharmacodynamics/ ANIMAL/ CASTRATION/ \*DEXAMETHASONE, pharmacodynamics/ KINETICS/ LIVER, drug effects/ \*LIVER, metabolism/ MALE/ NUCLEIC ACID HYBRIDIZATION/ RATS/ \*RNA, MESSENGER, metabolism/ TRANSCRIPTION, GENETIC, drug effects/ TRANSLATION, GENETIC, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.
685. Chen HJ, Walfish PG: Effects of age and ovarian function on the pituitary-thyroid system in female rats. *J Endocrinol* 78(2):225-32, Aug 78  
\*AGING/ ANIMAL/ CASTRATION/ ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ \*OVARIAN, physiology/ \*PITUITARY GLAND, physiology/ RATS/ \*THYROID GLAND, physiology/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood
686. Cheng S, McQueen HM, Levy D: The interaction of cal



# AUTHOR SECTION

- and procaine with hepatocyte and hepatoma tissue culture cell plasma membranes studied by fluorescence spectroscopy. Arch Biochem Biophys 189(2):336-43, Aug 78
- ANILINO NAPHTHALENESULFONATES/ ANIMAL/ BINDING SITES/ \*CALCIUM, metabolism/ \*CELL MEMBRANE, metabolism/ CELLS, CULTURED/ COMPARATIVE STUDY/ \*HEPATOMA, EXPERIMENTAL, metabolism/ LIVER, cytology/ \*LIVER, metabolism/ MALE/ \*PROCAINE, metabolism/ RATS/ SPECTROMETRY, FLUORESCENCE/ UNITED STATES GOV'T SUPPORTED, P.H.S.
687. Chenoweth M, Dunn A: Fructose-6-phosphate substrate cycling and hormonal regulation of gluconeogenesis in vivo. Am J Physiol 235(3):E295-303, Sep 78
- ADRENAL GLANDS, physiology/ ANIMAL/ FASTING/ \*FRUCTOSEPHOSPHATES, metabolism/ \*GLUCAGON, pharmacodynamics/ \*GLUCONEOGENESIS, drug effects/ GLUCOSE, metabolism/ \*LIVER, metabolism/ MALE/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
688. Chernigovsky VN, Talan MI, Polyakov EL, et al: Hypothalamic self-stimulation and duodenum motor activity. Physiol Behav 21(1):1-5, Jul 78 (Rus)
- ANIMAL/ BRAIN MAPPING/ CATS/ DUODENUM, physiology/ \*GASTROINTESTINAL MOTILITY/ \*HYPOTHALAMUS, physiology/ \*HYPOTHALAMUS, POSTERIOR, physiology/ \*SELF STIMULATION, physiology
689. Chettur L, Christensen E, Philip J: Stimulation of amniotic fluid cells by fibroblast growth factor. Clin Genet 14(4):223-8, Oct 78
- \*AMNIOTIC FLUID, cytology/ \*CELL DIVISION, drug effects/ CELLS, CULTURED/ CULTURE MEDIA/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ FIBROBLASTS/ \*GROWTH SUBSTANCES, pharmacodynamics/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ HUMAN/ INSULIN, pharmacodynamics/ PREGNANCY/ SERUM ALBUMIN, pharmacodynamics/ STIMULATION, CHEMICAL/ TIME FACTORS
690. Chevillotte E, Devynck MA, Fyhrquist F, et al: Angiotensin-induced variations of receptors in rat uterine membranes. Clin Sci Mol Med 48 Suppl 2:23s-26s, Jun 75
- \*ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ MUSCLE, SMOOTH, metabolism/ NEPHRECTOMY/ RATS/ \*RECEPTORS, ANGIOTENSIN, metabolism/ \*RECEPTORS, HORMONE, metabolism/ \*UTERUS, metabolism
691. Chew PC, Ratnam SS, Goh HH: Plasma testosterone in molar pregnancy: Correlation with gestational age, uterine size, theca-lutein cyst and serum HCG. Br J Obstet Gynaecol 85(8):624-6, Aug 78
- ADOLESCENCE/ ADULT/ FEMALE/ GESTATIONAL AGE/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ \*HYDATIDIFORM MOLE, blood/ HYDATIDIFORM MOLE, complications/ HYDATIDIFORM MOLE, pathology/ MIDDLE AGE/ OVARIAN CYSTS, complications/ PREGNANCY/ \*TESTOSTERONE, blood/ \*UTERINE NEOPLASMS, blood/ UTERINE NEOPLASMS, complications/ UTERINE NEOPLASMS, pathology/ UTERUS, pathology
692. Chiappe de Mon LE, Chiappe de Cingolani GE, Cingolani HE: Effect of acidosis on heart cAMP-dependent protein kinase. Arch Int Physiol Biochim 86(2):277-87, May 78
- \*ACIDOSIS, enzymology/ \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ ENZYME ACTIVATION/ HEART, drug effects/ MALE/ MYOCARDIAL CONTRACTION/ \*MYOCARDIUM, enzymology/ PERFUSION/ \*PROTEIN KINASE, metabolism/ RATS/ RESERPINE, pharmacodynamics
693. Childs GV, Hon C, Russell LR, et al: Subcellular localization of gonadotropins and testosterone in the developing fetal rat testis. J Histochem Cytochem 26(7):545-64, Jul 78
- ANIMAL/ BINDING SITES/ FEMALE/ \*FETUS/ \*GONADOTROPINS/ GONADOTROPINS, CHORIONIC, immunology/ IMMUNOENZYME TECHNIQS/ MALE/ PREGNANCY/ RATS/ \*TESTOSTERONE/ TESTOSTERONE, immunology
694. Chinoy NJ, Sanjeevan AG: On the specificity of alcoholic acidic silver nitrate reagent for the histochemical localization of ascorbic acid. A reappraisal. Histochemistry 56(3-4):275-82, 12 Jul 78
- ADRENAL GLANDS, analysis/ ANIMAL/ \*ASCORBIC ACID, isolation & purification/ EPIDIDYMIS, analysis/ \*HISTOCYTOCHEMISTRY/ HYDROGEN-ION CONCENTRATION/ LIVER, analysis/ MALE/ RATS/ \*SILVER NITRATE/ STAINS AND STAINING/ TEMPERATURE/ TESTIS, analysis
695. Chipkin RE, Stewart JM, Morris DH, et al: Brief communication. Generalization of [Dala2]-enkephalinamide but not of substance P to the morphine cue. Pharmacol Biochem Behav 9(1):129-32, Jul 78
- ANIMAL/ \*CUES/ DISCRIMINATION LEARNING, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ \*ENDORPHINS, pharmacodynamics/ \*ENKEPHALINS, pharmacodynamics/ \*GENERALIZATION, STIMULUS, drug effects/ INJECTIONS, INTRAPERITONEAL/ INJECTIONS, INTRAVENTRICULAR/ MALE/ \*MORPHINE, pharmacodynamics/ NALOXONE, pharmacodynamics/ RATS/ \*SUBSTANCE P, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
696. Chipps BE, Talamo RC, Mellits ED, et al: Immediate (IgE-mediated) skin testing in the diagnosis of allergic disease. Ann Allergy 41(4):211-5, Oct 78
- ADRENERGIC BETA RECEPTOR AGONISTS, pharmacodynamics/ ALLERGENS, standards/ BECLOMETHASONE, pharmacodynamics/ HEALTH SURVEYS/ HISTAMINE H1 RECEPTOR BLOCKADERS, pharmacodynamics/ HISTAMINE LIBERATION, drug effects/ HUMAN/ \*HYPERSENSITIVITY, diagnosis/ \*HYPERSENSITIVITY, IMMEDIATE, diagnosis/ \*IGE/ PREDNISONE, pharmacodynamics/ RADIOALLERGOSORBENT TEST/ SKIN TESTS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
697. Chirileanu C: Metodă personală de tuboterapie. Rev Chir [Otorinolaringol] 23(3):181-4, Jul-Sep 78 (Rum)
- \*CHLORAMPHENICOL, administration & dosage/ CHLORAMPHENICOL, therapeutic use/ \*EAR DISEASES, drug therapy/ \*ERYTHROMYCIN, administration & dosage/ ERYTHROMYCIN, therapeutic use/ \*EUSTACHIAN TUBE/ HUMAN/ \*HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, therapeutic use/ OTITIS MEDIA, drug therapy/ OTITIS, drug therapy/ SCLEROSIS/ \*TRYPSIN, administration & dosage/ TRYPSIN, therapeutic use/ TYMPANIC MEMBRANE
698. Chistiakova MB: Opukh Brennera u divchyny 18 rokov. Pediatr Akush Ginekol (4):32, Jul-Aug 78 (Ukr)
- ADOLESCENCE/ \*BRENNER TUMOR, pathology/ CASE REPORT/ FEMALE/ HUMAN/ \*OVARIAN NEOPLASMS, pathology
699. Chiu YS, Tao M: Autophosphorylation of rabbit skeletal muscle cyclic AMP-dependent protein kinase I catalytic subunit. J Biol Chem 253(20):7145-8, 25 Oct 78
- \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ ENZYME ACTIVATION/ \*HISTONE KINASE, metabolism/ KINETICS/ MOLECULAR WEIGHT/ \*MUSCLES, enzymology/ PHOSPHATASES, metabolism/ PHOSPHORYLATION/ \*PROTEIN KINASE, metabolism/ RABBITS
700. Cho K, Takimoto M, Yoshioka H: [Laboratory and clinical studies of PC-904 in pediatric field (author's trans)] Jpn J Antibiot 31(7):359-62, Jul 78 (Eng. Abstr.) (Jpn)
- ACUTE DISEASE/ ADOLESCENCE/ AGE FACTORS/ \*AMPICILLIN, analogs & derivatives/ AMPICILLIN, administration & dosage/ AMPICILLIN, metabolism/ AMPICILLIN, therapeutic use/ BRONCHITIS, drug therapy/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG EVALUATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ INJECTIONS, INTRAVENOUS/ KINETICS/ MALE/ NAPHTHYRIDINES, administration & dosage/ NAPHTHYRIDINES, metabolism/ NAPHTHYRIDINES, therapeutic use/

# AUTHOR SECTION

- THYROIDITIS, drug therapy/ URINARY TRACT INFECTIONS, drug therapy
701. Cho-chung YS, Doud FJ: Antagonistic action between cyclic AMP and estrogen in phosphorylation of mammary tumor nuclear proteins. *Cancer Lett* 5(4):219-24, Oct 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, antagonists & inhibitors/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ \*ESTRADIOL, pharmacodynamics/ FEMALE/ IN VITRO/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ \*MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ \*NEOPLASM PROTEINS, metabolism/ NEOPLASMS, HORMONE-DEPENDENT, chemically induced/ NEOPLASMS, HORMONE-DEPENDENT, drug therapy/ \*NEOPLASMS, HORMONE-DEPENDENT, metabolism/ \*NUCLEOPROTEINS, metabolism/ PHOSPHORYLATION/ RATS/ REMISSION/ 9,10-DIMETHYL-1,2-BENZANTHRACENE
  702. Cho-Chung YS: Antagonistic action between cyclic adenosine 3':5'-monophosphate and estrogen in rat mammary tumor growth control. *Cancer Res* 38(11 Pt 2):4071-5, Nov 78  
ANIMAL/ CASTRATION/ CELL NUCLEUS, metabolism/ CYTOPLASM, metabolism/ \*DIBUTYRYL CYCLIC AMP, pharmacodynamics/ \*ESTRADIOL, analogs & derivatives/ ESTRADIOL, pharmacodynamics/ FEMALE/ MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ \*MAMMARY NEOPLASMS, EXPERIMENTAL, therapy/ NEOPLASMS, HORMONE-DEPENDENT, metabolism/ \*NEOPLASMS, HORMONE-DEPENDENT, therapy/ NUCLEOPROTEINS, metabolism/ PHOSPHORYLATION/ RATS/ \*RECEPTORS, CYCLIC AMP, drug effects/ \*RECEPTORS, ESTROGEN, drug effects/ RECURRENCE/ REMISSION
  703. Chobanian AV, Garvras H, Gavras I, et al: Studies on the activity of the sympathetic nervous system in essential hypertension. *J Human Stress* 4(3):22-8, Sep 78  
ADULT/ \*CATECHOLAMINES, blood/ DOPAMINE BETA-HYDROXYLASE, blood/ FEMALE/ FUROSEMIDE, pharmacodynamics/ HUMAN/ \*HYPERTENSION, blood/ HYPERTENSION, enzymology/ HYPERTENSION, physiopathology/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, blood/ POSTURE/ RENIN, blood/ \*SYMPATHETIC NERVOUS SYSTEM, physiopathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  704. Chomeżyński P: Regulacja transkrypcji w gruczole mlecznym podczas laktogenezy. *Postepy Biochem* 24(2):195-219, 1978 (Pol)  
ANIMAL/ \*BREAST, metabolism/ CHROMATIN, metabolism/ FEMALE/ GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ INSULIN, pharmacodynamics/ \*LACTATION/ MICE/ MODELS, BIOLOGICAL/ NUCLEOTIDES, CYCLIC, pharmacodynamics/ PREGNANCY/ PROLACTIN, pharmacodynamics/ RNA POLYMERASES, metabolism/ RNA, biosynthesis/ SPERMIDINE, pharmacodynamics/ TEMPLATES/ \*TRANSCRIPTION, GENETIC/ TRANSCRIPTION, GENETIC, drug effects
  705. Chouinard G, Jones BD, Annable L: Neuroleptic-induced supersensitivity psychosis. *Am J Psychiatry* 135(11):1409-10, Nov 78  
BRAIN CHEMISTRY, drug effects/ DEPRESSION, CHEMICAL/ DOPAMINE, antagonists & inhibitors/ DRUG TOLERANCE/ \*DRUG WITHDRAWAL SYMPTOMS/ DYSKINESIA, DRUG-INDUCED, etiology/ HUMAN/ PROLACTIN, blood/ \*PSYCHOSES, etiology/ \*RECEPTORS, DOPAMINE, drug effects/ SCHIZOPHRENIA, drug therapy/ SCHIZOPHRENIC PSYCHOLOGY/ \*TRANQUILIZING AGENTS, MAJOR/ TRANQUILIZING AGENTS, MAJOR, pharmacodynamics/ TRANQUILIZING AGENTS, MAJOR, therapeutic use
  706. Chowdhury N: Effects of fat soluble vitamins (vitamin A, D3 and E) on axenically in vitro growth of Hymenolepis microstoma. *Z Parasitenkd* 56(1):29-38, 3 Jul 78  
ANIMAL/ \*CHOLECALCIFEROLS, pharmacodynamics/ COMPARATIVE STUDY/ CULTURE MEDIA/ \*HYMENOLEPIS, drug effects/ HYMENOLEPIS, growth & development/ \*VITAMIN A, pharmacodynamics/ \*VITAMIN E, pharmacodynamics
  707. Chowdhury SR: Lipid content of human fallopian tube. *Indian J Physiol Pharmacol* 22(2):158-9, Apr-Jun 78  
ADULT/ \*FALLOPIAN TUBES, analysis/ FEMALE/ HUMAN/ LACTATION/ \*LIPIDS, analysis/ MENSTRUATION/ PHOSPHOLIPIDS, analysis/ PREGNANCY
  708. Chrétien M, Seidah NG, Benjannet S, et al: A beta-LP precursor model: recent developments concerning morphine-like substances. *Ann NY Acad Sci* 297:84-100, Oct 77  
AMINO ACID SEQUENCE/ ANIMAL/ BRAIN, drug effects/ CATTLE/ \*ENDORPHINS/ ENDORPHINS, biosynthesis/ ENDORPHINS, isolation & purification/ ENDORPHINS, pharmacodynamics/ HUMAN/ \*LIPOTROPIN, biosynthesis/ MSH, biosynthesis/ PITUITARY GLAND, analysis/ SHEEP/ SWINE
  709. Christakos S, Norman AW: Vitamin D3-induced calcium binding protein in bone tissue. *Science* 202(4363):70-1, Oct 78  
ANIMAL/ \*BONE AND BONES, metabolism/ CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT, blood/ \*CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT, metabolism/ \*CARRIER PROTEINS, metabolism/ CHICKEN/ \*CHOLECALCIFEROLS, pharmacodynamics/ RICKETS, metabolism/ TIBIA, metabolism
  710. Christensen M, Johansen P, Hau C: Storage of polyvinylpyrrolidone (PVP) in tissues following long treatment with a PVP-containing vasopressin preparation. *Acta Med Scand* 204(4):295-8, 1978  
ADULT/ CASE REPORT/ DELAYED-ACT PREPARATIONS/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ MALE/ MIDDLE AGE/ POLYVINYLPIRROLIDONE, administration & dosage/ POLYVINYLPIRROLIDONE, adverse effects/ \*POLYVINYLPIRROLIDONE, metabolism/ TIME FACTORS/ TISSUE DISTRIBUTION/ VASOPRESSINS, administration & dosage/ VASOPRESSINS, adverse effects/ \*VASOPRESSIN, therapeutic use
  711. Christensen SE, Hansen AP, Lundbaek K: Somatostatin maturity-onset diabetes. *Diabetes* 27(10):1013-9, Oct 78  
AGED/ BLOOD SUGAR, metabolism/ COMPARATIVE STUDY/ DIABETES MELLITUS, blood/ \*DIABETES MELLITUS, drug therapy/ FATTY ACIDS, NONESTERIFIED, blood/ GLUCAGON, blood/ HUMAN/ INSULIN, blood/ MIDDLE AGE/ OBESITY IN DIABETES, \*SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics/ SOMATOTROPIN RELEASE INHIBITING HORMONE, therapeutic use/ SOMATOTROPIN, blood
  712. Christiaens JL: Les indications opératoires des adénomes hypophysaires. *Anesth Analg (Paris)* 35(2):293-4, Mar 78  
\*ADENOMA, surgery/ HUMAN/ METHOD/ \*PITUITARY NEOPLASMS, surgery
  713. Christiansen C, Rødbro P, Christensen MS, et al: Determination of renal function during treatment of chronic renal failure with 1,25-dihydroxycholecalciferol. *Lancet* 2(8092):700-3, 30 Sep 78  
ADMINISTRATION, ORAL/ CHOLECALCIFEROLS, administration & dosage/ \*CHOLECALCIFEROLS, adverse effects/ CHOLECALCIFEROLS, therapeutic use/ COMPARATIVE STUDY/ \*DIHYDROXYCHOLECALCIFEROLS, adverse effects/ DIHYDROXYCHOLECALCIFEROL, therapeutic use/ DRUG EVALUATION/ FOLLOW-UP STUDIES/ HUMAN/ \*HYDROXYCHOLECALCIFEROLS, adverse effects/ HYPERCALCEMIA, chemically induced/ \*KIDNEY FAILURE, CHRONIC, drug therapy/ KIDNEY FAILURE, CHRONIC, physiopathology/ KIDNEY FUNCTION TESTS/ \*KIDNEY, drug effects/ KIDNEY, physiopathology/ RENAL



## AUTHOR SECTION

### OSTEODYSTROPHY, prevention & control

714. Christopherson WM, Mays ET, Barrows GH: Liver oncogenesis and steroids. *Prog Clin Cancer* 7:153-63, 1978 (38 ref.)  
ADULT/ \*CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ \*HEPATOMA, etiology/ HEPATOMA, pathology/ HEPATOMA, surgery/ HUMAN/ HYPERPLASIA, etiology/ HYPERPLASIA, pathology/ \*LIVER NEOPLASMS, etiology/ LIVER NEOPLASMS, pathology/ LIVER NEOPLASMS, surgery/ REVIEW/ RISK/ \*STEROIDS, adverse effects
715. Chua TS, Wong HB: Identification of fluorescent stained human Y-chromosome in interphase buccal cells and peripheral blood leucocytes. *J Singapore Paediatr Soc* 19(4):263-71, Dec 77  
CHEEK/ FEMALE/ \*FLUORESCENT DYES, diagnostic use/ HUMAN/ INTERPHASE/ \*LEUKOCYTES, ultrastructure/ MALE/ \*MOUTH MUCOSA, cytology/ \*SEX CHROMOSOMES, ultrastructure/ \*Y CHROMOSOME, ultrastructure
16. Chuan PL: A short, intensive course of steroid therapy for nephrotic syndrome in Singapore children. *J Singapore Paediatr Soc* 19(4):242-8, Dec 77  
CHILD/ CHILD, PRESCHOOL/ DRUG ADMINISTRATION SCHEDULE/ FEMALE/ HUMAN/ INFANT/ MALE/ \*NEPHROTIC SYNDROME, drug therapy/ \*PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use
17. Chugunova DA: Nekotorye aspekty funktsional'nogo sostoiianiia fetoplatsentarnoi sistemy pri chrezmernom razvitii ploda. *Akush Ginekol (Mosk)* (9):24-7, Sep 78 (Eng. Abstr.) (Rus)  
\*BIRTH WEIGHT/ BODY HEIGHT/ BODY SURFACE AREA/ ENGLISH ABSTRACT/ FEMALE/ \*FETUS, physiology/ HUMAN/ INFANT, NEWBORN/ ORGAN WEIGHT/ PLACENTA, anatomy & histology/ PLACENTA, metabolism/ \*PLACENTA, physiology/ PREGNANCY
18. Cidlowski JA, Thanassi JW: Extraction of nuclear glucocorticoid-receptor complexes with pyridoxal phosphate. *Biochem Biophys Res Commun* 82(4):1140-6, 29 Jun 78  
ADRENALECTOMY/ ANIMAL/ \*CELL NUCLEUS, metabolism/ DEXAMETHASONE, metabolism/ MALE/ PYRIDOXAL PHOSPHATE/ RATS/ \*RECEPTORS, GLUCOCORTICOID, isolation & purification/ RECEPTORS, GLUCOCORTICOID, metabolism/ \*RECEPTORS, STEROID, isolation & purification/ THYMUS GLAND, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
19. Cikos J, Trifunovic S, Stojisic DJ, et al: Feohromocitom torakalne lokalizacije (paragangliom). Prikaz slučaja. *Med Pregl* 31(7-8):313-8, 1978 (Eng. Abstr.) (See)  
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ \*PARAGANGLIOMA/ \*PHEOCHROMOCYTOMA/ \*THORACIC NEOPLASMS
20. Ciszek J, Kazimierzczak A, Chrostowski K, et al: Wpływ przedłużonej kortykoterapii na poziom immunoglobulin w surowicy krwi u chorych na astmę oskrzelową. *Pneumonol Pol* 46(9):663-7, Sep 78 (Eng. Abstr.) (Pol)  
ADULT/ AGED/ \*ASTHMA, drug therapy/ ASTHMA, immunology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*IMMUNOGLOBULINS, analysis/ MALE/ MIDDLE AGE/ TIME FACTORS/ \*TRIAMCINOLONE ACETONIDE, pharmacodynamics/ TRIAMCINOLONE ACETONIDE, therapeutic use
21. Cittadini A, Van Rossum GD: Properties of the calcium-extruding mechanism of liver cells. *J Physiol (Lond)* 281:29-43, Aug 78  
A-23187, pharmacodynamics/ AEROBIOISIS/ ANAEROBIOISIS/ ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ \*CALCIUM, metabolism/ COLCHICINE, pharmacodynamics/ CYTOCHALASIN B, pharmacodynamics/ IN VITRO/ LIVER, cytology/ \*LIVER, metabolism/ MAGNESIUM, metabolism/ MALE/ OXIDATIVE PHOSPHORYLATION/ OXYGEN, pharmacodynamics/ RATS
722. Claessens J: Exploration tomodensitométrie du corps entier. *Brux Med* 58(8):411-7, Aug 78 (Fre)  
ABDOMEN, radiography/ BONE AND BONES, radiography/ HUMAN/ THORACIC RADIOGRAPHY/ \*TOMOGRAPHY, COMPUTERIZED AXIAL
723. Clapp JF 3d: The relationship between blood flow and oxygen uptake in the uterine and umbilical circulations. *Am J Obstet Gynecol* 132(4):410-3, 15 Oct 78  
ANIMAL/ FEMALE/ FETUS, metabolism/ \*OXYGEN CONSUMPTION/ PLACENTA, metabolism/ \*PREGNANCY/ REGIONAL BLOOD FLOW/ SHEEP/ \*UMBILICAL VEINS, physiology/ \*UTERUS, blood supply/ UTERUS, metabolism/ VEINS
724. Clark GR: Hydrovarium in a Mongolian gerbil (*Meriones unguiculatus*). *VM SAC* 73(6):792-3, Jun 78  
ANIMAL/ CASE REPORT/ FEMALE/ \*GERBILS/ \*OVARIAN DISEASES, veterinary/ \*RODENT DISEASES
725. Clark JH, Hardin JW, Upchurch S, et al: Heterogeneity of estrogen binding sites in the cytosol of the rat uterus. *J Biol Chem* 253(21):7630-4, 10 Nov 78  
AGING/ ANIMAL/ CASTRATION/ CYTOSOL, metabolism/ ESTRADIOL, metabolism/ FEMALE/ KINETICS/ RATS/ \*RECEPTORS, ESTROGEN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, growth & development/ \*UTERUS, metabolism
726. Clark JH, Anderson JN, Hsueh AJ, et al: Methods for assessing the binding of steroid hormones in nuclei and chromatin. *Methods Cell Biol* 17:335-48, 1978  
\*CELL NUCLEUS, metabolism/ \*CHROMATIN, metabolism/ \*HORMONES, metabolism/ METHODS/ \*STEROIDS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
727. Clark MR, Marsh JM, LeMaire WJ: Mechanism of luteinizing hormone regulation of prostaglandin synthesis in rat granulosa cells. *J Biol Chem* 253(21):7757-61, 10 Nov 78  
ANIMAL/ ARACHIDONIC ACIDS, metabolism/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ GRANULOSA CELLS, drug effects/ \*GRANULOSA CELLS, metabolism/ INDOMETHACIN, pharmacodynamics/ \*LH, pharmacodynamics/ \*PROSTAGLANDINS E, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 8,11,14-EICOSATRIENOIC ACID, pharmacodynamics
728. Clark S, DeLuise M, Larkins RG, et al: The effects of digestive enzymes on characteristics of placental insulin receptor. Comparison of particulate and soluble receptor preparations. *Biochem J* 174(1):37-43, 15 Jul 78  
BETA-GALACTOSIDASES, pharmacodynamics/ CELL MEMBRANE, metabolism/ COMPARATIVE STUDY/ \*ENZYMES, pharmacodynamics/ FEMALE/ HUMAN/ IN VITRO/ NEURAMINIDASE, pharmacodynamics/ PHOSPHOLIPASE, pharmacodynamics/ \*PLACENTA, metabolism/ PREGNANCY/ \*RECEPTORS, INSULIN, drug effects/ RECEPTORS, INSULIN, metabolism/ TRYPSIN, pharmacodynamics
729. Clark WD, Fann TR, McCrea JD, et al: Uses of bone scanning in podiatric medicine. *J Am Podiatry Assoc* 68(9):621-30, Sep 78  
ADULT/ \*BONE AND BONES, radionuclide imaging/ CASE REPORT/ FEMALE/ \*FOOT DISEASES, radionuclide imaging/ \*FOOT, radionuclide imaging/ FRACTURES, CLOSED, radionuclide imaging/ HUMAN/ METATARSUS, injuries/ OSTEOMYELITIS, radionuclide imaging
730. Clark WG: Effects of third cerebral ventricular injections of cyclic guanosine nucleotides on body temperature of cats. *Proc Soc Exp Biol Med* 158(4):655-7, Sep 78  
ANIMAL/ BODY TEMPERATURE REGULATION, drug effects/ \*BODY TEMPERATURE, drug effects/ CATS/ DIBUTYRYL CYCLIC GMP, administration & dosage/ \*DIBUTYRYL CYCLIC GMP, pharmacodynamics/ FEVER, chemically induced/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, analogs & derivatives/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, administration & dosage/ \*GUANOSINE



# AUTHOR SECTION

- CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ HYPOTHERMIA, chemically induced/ INJECTIONS, INTRAVENTRICULAR/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
731. Clayton RN, Vrionides Y, Lynch SS, et al: Response of acromegaly to long term bromocriptine therapy: a biochemical and clinical assessment. *Acta Endocrinol (Copenh)* 89(3):469-82, Nov 78  
\*ACROMEGALY, drug therapy/ ADULT/ CAPSULES/ CLINICAL RESEARCH/ DRUG EVALUATION/ FEMALE/ FSH, secretion/ GLUCOSE TOLERANCE TEST/ HUMAN/ LH, secretion/ MALE/ MIDDLE AGE/ SOMATOTROPIN, blood/ SOMATOTROPIN, secretion/ TABLETS/ THYROTROPIN, secretion/ TIME FACTORS/ 2-BROMOERGOCRYPTINE, administration & dosage/ \*2-BROMOERGOCRYPTINE, therapeutic use
  732. Clemens JA: Neuropharmacological aspects of the neural control of prolactin secretion. *Curr Top Mol Endocrinol* 3:283-301, 1976 (34 ref.)  
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ DOPAMINE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ HUMAN/ MODELS, BIOLOGICAL/ NEUROHUMORS, antagonists & inhibitors/ \*NEUROHUMORS, pharmacodynamics/ NEUROHUMORS, physiology/ NEURONS, physiology/ NOREPINEPHRINE, pharmacodynamics/ PITUITARY GLAND, ANTERIOR, drug effects/ \*PITUITARY GLAND, ANTERIOR, secretion/ \*PROLACTIN, secretion/ REVIEW/ SEROTONIN, pharmacodynamics
  733. Clemens JA: Effects of serotonin neurotoxins on pituitary hormone release. *Ann NY Acad Sci* 305:399-410, 12 Jun 78  
P-CHLOROAMPHETAMINE, pharmacodynamics/ ANIMAL/ FEMALE/ FLUOXETIN, pharmacodynamics/ HYDROXYTRYPTOPHAN, pharmacodynamics/ LH, metabolism/ MALE/ \*PITUITARY HORMONES, metabolism/ PROESTRUS, drug effects/ PROLACTIN, metabolism/ RATS/ \*SEROTONIN ANTAGONISTS, pharmacodynamics/ SOMATOTROPIN, metabolism/ SUCKING BEHAVIOR, physiology/ 5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics
  734. Clement-Courmier Y, George R: Subcellular localization of dopamine-sensitive adenylate cyclase and dopamine receptor binding activities. *Life Sci* 23(6):539-43, 14 Aug 78  
\*ADENYL CYCLASE, metabolism/ ANIMAL/ APOMORPHINE, metabolism/ \*BRAIN, metabolism/ BRAIN, ultrastructure/ \*DOPAMINE, physiology/ HALOPERIDOL, metabolism/ IN VITRO/ MALE/ RATS/ \*RECEPTORS, DOPAMINE, metabolism/ \*SUBCELLULAR FRACTIONS, metabolism
  735. Clemetson CA, de Carlo SJ, Burney GA, et al: Estrogens in food: the almond mystery. *Int J Gynaecol Obstet* 15(6):515-21, 1978  
ANIMAL/ CASTRATION/ \*ESTROGENS, pharmacodynamics/ FEMALE/ FRUIT/ GRAIN/ MYCOTOXINS, pharmacodynamics/ \*NUTS/ ORGAN WEIGHT/ RATS/ UTERUS, anatomy & histology/ VAGINA, cytology/ VAGINA, drug effects/ VEGETABLES
  736. Clineschmidt BV, McGuffin JC: Pharmacological differentiation of the central 5-hydroxytryptamine-like actions of MK-212 (6-chloro-2[1-piperazinyl]-pyrazine), p-methoxyamphetamine and fenfluramine in an in vivo model system. *Eur J Pharmacol* 50(4):369-75, 15 Aug 78  
P-CHLOROPHENYLALANINE, pharmacodynamics/ \*P-METHOXYAMPHETAMINE, pharmacodynamics/ \*AMPHETAMINES, pharmacodynamics/ ANIMAL/ COMPARATIVE STUDY/ DEXTROAMPHETAMINE, pharmacodynamics/ DRUG INTERACTIONS/ \*FENFLURAMINE, pharmacodynamics/ FLUOXETIN, pharmacodynamics/ IN VITRO/ MALE/ METHERGOLINE, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ \*PIPERAZINES, pharmacodynamics/ \*PYRAZINES, pharmacodynamics/ RATS/ \*SEROTONIN, physiology/ TIME FACTORS
  737. Clineschmidt BV, Zacchei AG, Totaro JA, et al: Fenfluramine and brain serotonin. *Ann NY Acad Sci* 305:222-41, 12 Jun 78  
AGING/ ANIMAL/ ANIMALS, NEWBORN/ BRAIN, drug effects/ \*BRAIN, metabolism/ DEALKYLATION/ DOPA, metabolism/ FEMALE/ FENFLURAMINE, antagonists & inhibitors/ FENFLURAMINE, metabolism/ \*FENFLURAMINE, pharmacodynamics/ FLUOXETIN, pharmacodynamics/ HYDROXYINDOLEACETIC ACID, metabolism/ HYDROXYTRYPTOPHAN, metabolism/ RATS/ \*SEROTONIN, metabolism/ TIME FACTORS
  738. Cloix JF, Bachelet M, Ulmann A, et al: 25-hydroxycholecalciferol-binding protein: partial purification from rat duodenal mucosa cells. *Biochem Biophys Res Commun* 83(4):1456-63, 29 Aug 78  
ANIMAL/ CYTOSOL, analysis/ DUODENUM, \*HYDROXYCHOLECALCIFEROLS, metabolism/ \*INTESTINAL MUCOSA, analysis/ KINETICS/ MALE/ MOLECULAR WEIGHT/ RATS/ RECEPTORS, STERIOD, immunology/ \*RECEPTORS, STERIOD, isolation & purification/ RECEPTORS, STERIOD, metabolism
  739. Clopath P, Dicato MA: Recent progress in atherosclerosis research: experimental and clinical aspects. *Bull Soc Sci Med Grand Duche Luxemb* 115(1):21-33 (68 ref.)  
ANIMAL/ ANTICOAGULANTS, therapeutic use/ \*ARTERIOSCLEROSIS, etiology/ ATHEROSCLEROSIS, drug therapy/ \*ATHEROSCLEROSIS, etiology/ ATHEROSCLEROSIS, immunology/ ATHEROSCLEROSIS, metabolism/ ATHEROSCLEROSIS, pathology/ BLOOD PLATELETS, drug effects/ CELL DIVISION/ CHOLESTYRAMINE, therapeutic use/ CLOFIBRATE, therapeutic use/ DEXTROTHYROXINE, therapeutic use/ ENDOTHELIUM, pathology/ HUMAN/ LIPOPROTEINS, blood/ NEOMYCIN, therapeutic use/ NICOTINIC ACIDS, therapeutic use/ PLATELET ADHESIVENESS/ PLATELET AGGREGATION/ REGRESSION/ REVIEW/ THROMBOSIS, blood/ THROMBOSIS, etiology
  740. Clot JP, Baudry M, Bouhnik J: Liver mitochondria in chloramphenicol-treated rat. Similarities with thyroid [proceedings] *Biochimie* 60(5):539-41, 4 Sep 78  
ANIMAL/ \*CHLORAMPHENICOL, pharmacodynamics/ CYTOCHROME C-1, metabolism/ CYTOCHROME REDUCTASES, metabolism/ CYTOCHROMES, metabolism/ HYDROXYLA metabolism/ KYNURENINE/ MALE/ MITOCHONDRIA, LIVER, drug effects/ \*MITOCHONDRIA, LIVER, enzymology/ MONOAMINE OXIDASE, metabolism/ RATS/ \*THYROID HORMONES, physiology/ THYROIDECTOMY
  741. Clyman RI, Mauray F, Heymann MA, et al: Ductus arteriosus developmental response to oxygen and indomethacin. *Prostaglandins* 15(6):993-8, Jun 78  
ANIMAL/ ANIMALS, NEWBORN/ \*DUCTUS ARTERIOSUS, drug effects/ GESTATIONAL \*INDOMETHACIN, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ \*OXYGEN/ PROSTAGLANDINS, biosynthesis/ SHEEP/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  742. Clyman RI, Mauray F, Roman C, et al: PGE<sub>2</sub> is a more potent vasodilator of the lamb ductus arteriosus than is either 6 keto PGF<sub>1α</sub> or 6 keto PGF<sub>1β</sub>. *Prostaglandins* 16(2):259-64, 1978  
ANIMAL/ COMPARATIVE STUDY/ \*DUCTUS ARTERIOSUS, drug effects/ INDOMETHACIN, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ MUSCLE RELAXATION, drug effects/ MUSCLE, SMOOTH, drug effects/ OXYGEN CONSUMPTION, drug effects/ \*PROSTAGLANDINS E, pharmacodynamics/ \*PROSTAGLANDINS F, pharmacodynamics/ \*PROSTAGLANDINS X, pharmacodynamics/ \*PROSTAGLANDINS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S. \*VASODILATION, drug effects
  743. Coates PW, Teh EC: Demonstration of neurosecretory substance in previously scanned specimens: adaptation of Gomori aldehyde-fuchsin method for correlative



## AUTHOR SECTION

- SEM/TEM/LM histochemistry. *Am J Anat* 153(3):469-75, Nov 78  
 ANIMAL/ HISTOCYTOCHEMISTRY/ MACACA/  
 \*MICROSCOPY, ELECTRON, methods/  
 \*MICROSCOPY, ELECTRON, SCANNING,  
 methods/ MONKEYS/ \*NEUROSECRETION/  
 \*PITUITARY GLAND, metabolism/ PITUITARY  
 GLAND, ultrastructure/ \*STAINS AND STAINING
744. Cobby J: Mathematical models for the release of drugs from matrix tablets. *J Biomed Mater Res* 12(5):627-34, Sep 78  
 CHEMISTRY, PHARMACEUTICAL/  
 \*DELAYED-ACTION PREPARATIONS/  
 HYDROCORTISONE/ \*MODELS,  
 THEORETICAL/ \*TABLETS
745. Cobo E, Cifuentes R, de Villamizar M: Inhibition of menstrual uterine motility during water diuresis.  
*Am J Obstet Gynecol* 132(3):313-20, 1 Oct 78  
 \*DIURESIS/ FEMALE/ HUMAN/  
 \*MENSTRUATION/ OXYTOCIN,  
 pharmacodynamics/ UTERINE CONTRACTION,  
 drug effects/ UTERUS, drug effects/ \*UTERUS,  
 physiology/ VASOPRESSINS, metabolism/  
 VASOPRESSINS, pharmacodynamics/  
 VASOPRESSINS, physiology
746. Cocchi D, Locatelli V, Carminati R, et al: Mechanisms underlying the prolactin-lowering effect of metergoline in the rat. *Life Sci* 23(9):927-36, 4 Sep 78  
 ANIMAL/ \*ERGOLINES, pharmacodynamics/  
 FEMALE/ MALE/ \*METHERGOLINE,  
 pharmacodynamics/ PITUITARY GLAND,  
 ANTERIOR, physiology/ \*PROLACTIN, blood/  
 QUIPAZINE, pharmacodynamics/  
 RADIOIMMUNOASSAY/ RATS/ RESERPINE,  
 pharmacodynamics/ TIME FACTORS/  
 2-BROMOERGOCRYPTINE, pharmacodynamics
747. Cocirlă E, Nadudvari Gh, Dascălu R: Influența hipotiroidismului experimental asupra încorporării prolinei C14 în tesuturile dentare și osoase. *Rev Chir [Stomatol]* 25(3):161-4, Jul-Sep 78 (Eng. Abstr.) (Rum)  
 ANIMAL/ \*BONE AND BONES, metabolism/  
 COLLAGEN, metabolism/ ENGLISH ABSTRACT/  
 FEMUR, metabolism/ \*HYPOTHYROIDISM,  
 metabolism/ JAW, metabolism/ \*PROLINE,  
 metabolism/ RATS/ \*TOOTH, metabolism
748. Coe CL, Mendoza SP, Davidson JM, et al: Hormonal response to stress in the squirrel monkey (*Saimiri sciureus*).  
*Neuroendocrinology* 26(6):367-77, 1978  
 \*ADRENAL GLANDS, physiopathology/ ANIMAL/  
 COMPARATIVE STUDY/ CORTICOTROPIN,  
 blood/ FEMALE/ HYDROCORTISONE, blood/  
 MALE/ MONKEYS/ \*OVARY, physiopathology/  
 \*PITUITARY GLAND, physiopathology/ SEX  
 FACTORS/ SQUIRREL MONKEYS/ \*STRESS,  
 physiopathology/ \*TESTIS, physiopathology/  
 TESTOSTERONE, blood/ UNITED STATES GOV'T  
 SUPPORTED/ UNITED STATES GOV'T  
 SUPPORTED, P.H.S.
749. Coffino P, Gray JW: Regulation of S49 lymphoma cell growth by cyclic adenosine 3':5'-monophosphate. *Cancer Res* 38(11 Pt 2):4285-8, Nov 78  
 \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
 physiology/ CELL CYCLE/ CELL LINE/  
 \*CHOLERA TOXIN, pharmacodynamics/  
 \*DIBUTYRYL CYCLIC AMP, pharmacodynamics/  
 KINETICS/ \*LYMPHOMA, drug therapy/  
 LYMPHOMA, metabolism/ LYMPHOMA, pathology/  
 NEOPLASMS, EXPERIMENTAL, drug therapy/  
 RECEPTORS, CYCLIC AMP/ UNITED STATES  
 GOV'T SUPPORTED/ UNITED STATES GOV'T  
 SUPPORTED, P.H.S.
750. Cohen BM, Katz M: The significance of the convoluted oviduct in the infertile woman. *J Reprod Med* 21(1):31-5, Jul 78  
 ADULT/ \*FALLOPIAN TUBES, abnormalities/  
 FALLOPIAN TUBES, surgery/ FEMALE/ HUMAN/  
 MENSTRUATION, RETROGRADE, blood/  
 PROGESTERONE, blood/ STERILITY, FEMALE,  
 blood/ \*STERILITY, FEMALE, etiology/  
 STERILITY, FEMALE, surgery
751. Cohen H, Lapointe M: Method for the extraction and cleanup of animal feed for the determination of liposoluble vitamins D, A, and E by high-pressure liquid chromatography.  
*J Agric Food Chem* 26(5):1210-3, Sep-Oct 78  
 \*ANIMAL FEED, analysis/ CHROMATOGRAPHY,  
 HIGH SPEED LIQUID/ SOLUBILITY/ \*VITAMIN  
 A, analysis/ \*VITAMIN D, analysis/ \*VITAMIN E,  
 analysis
752. Cohen HJ: Combination chemotherapy for primary amyloidosis reconsidered [letter]. *Ann Intern Med* 89(4):572-3, Oct 78  
 \*AMYLOIDOSIS, drug therapy/ CASE REPORT/  
 DRUG THERAPY, COMBINATION/ FEMALE/  
 FLUOXYMESTERONE, administration & dosage/  
 FOLLOW-UP STUDIES/ HUMAN/ MELPHALAN,  
 administration & dosage/ PENICILLAMINE,  
 administration & dosage/ PREDNISONE,  
 administration & dosage
753. Cohen KL, Harris S, Keohane M: Upper abdominal calcification in a young man. *JAMA* 240(15):1639-40, 6 Oct 78  
 ADDISON'S DISEASE, diagnosis/ ADOLESCENCE/  
 \*ADRENAL GLAND DISEASES, radiography/  
 ADRENAL GLAND NEOPLASMS, diagnosis/  
 \*CALCINOSIS, radiography/ CASE REPORT/  
 DIAGNOSIS, DIFFERENTIAL/ FEMALE/  
 HUMAN/ PANCREATITIS, diagnosis
754. Cohen M, Lippman M, Chabner B: Role of pineal gland in aetiology and treatment of breast cancer. *Lancet* 2(8094):814-6, 14 Oct 78  
 BREAST NEOPLASMS, drug therapy/ \*BREAST  
 NEOPLASMS, etiology/ CALCINOSIS,  
 physiopathology/ ESTROGENS, secretion/ FEMALE/  
 HORMONES, SYNTHETIC, therapeutic use/  
 HUMAN/ \*MELATONIN, deficiency/  
 MELATONIN, therapeutic use/ OVARY, secretion/  
 \*PINEAL BODY, secretion
755. Cohen MH, Matthews MJ: Small cell bronchogenic carcinoma: a distinct clinicopathologic entity. *Semin Oncol* 5(3):234-43, Sep 78 (69 ref.)  
 CARCINOMA, BRONCHOGENIC, diagnosis/  
 \*CARCINOMA, BRONCHOGENIC, pathology/  
 CARCINOMA, BRONCHOGENIC, secretion/  
 CARCINOMA, OAT CELL, diagnosis/  
 \*CARCINOMA, OAT CELL, pathology/  
 CARCINOMA, OAT CELL, secretion/ CELL  
 NUCLEUS, pathology/ CYTOPLASM, pathology/  
 HORMONES, ECTOPIC, secretion/ HUMAN/ LUNG  
 NEOPLASMS, diagnosis/ \*LUNG NEOPLASMS,  
 pathology/ LUNG NEOPLASMS, secretion/  
 NEOPLASM METASTASIS/ PROGNOSIS/  
 REVIEW/ SYNDROME
756. Cohen P, Burchell A, Foulkes JG, et al: Identification of the Ca<sup>2+</sup>-dependent modulator protein as the fourth subunit of rabbit skeletal muscle phosphorylase kinase.  
*FEBS Lett* 92(2):287-93, 15 Aug 78  
 AMINO ACIDS, analysis/ CALCIUM, metabolism/  
 \*CALCIUM-DEPENDENT REGULATOR/  
 CALCIUM-DEPENDENT REGULATOR, analysis/  
 \*CARRIER PROTEINS/ CARRIER PROTEINS,  
 analysis/ ENZYME ACTIVATION/  
 MACROMOLECULAR SYSTEMS/ MOLECULAR  
 WEIGHT/ \*MUSCLES, enzymology/  
 PHOSPHODIESTERASES, metabolism/  
 \*PHOSPHORYLASE KINASE/ PHOSPHORYLASE  
 KINASE, analysis/ PROTEIN KINASE, metabolism/  
 TROPONIN, metabolism
757. Cohen SH, Koethe SM, Kozin F, et al: Acquired angioedema associated with rectal carcinoma and its response to danazol therapy. Acquired angioedema treated with danazol.  
*J Allergy Clin Immunol* 62(4):217-21, Oct 78  
 \*ADENOCARCINOMA, complications/ AGED/  
 ANGIONEUROTIC EDEMA, complications/  
 \*ANGIONEUROTIC EDEMA, drug therapy/ CASE  
 REPORT/ COMPLEMENT 1 INACTIVATORS,  
 analysis/ \*DANAZOL, therapeutic use/ HUMAN/  
 MALE/ \*PREGNADIENES, therapeutic use/  
 \*RECTAL NEOPLASMS, complications
758. Cohn VH: Cigarette smoking and the response to drugs.  
*Am Pharm* 18(10):32-6, Sep 78  
 ANALGESICS, adverse effects/ ANTIDEPRESSIVE  
 AGENTS, TRICYCLIC, adverse effects/  
 CONTRACEPTIVES, ORAL, adverse effects/ DRUG  
 INTERACTIONS/ \*DRUG THERAPY, adverse  
 effects/ HUMAN/ \*SMOKING, complications/  
 TRANQUILIZING AGENTS, adverse effects
759. Colbern DL, Isaacson RL, Green EJ, et al: Repeated intraventricular injections of ACTH 1-24: the effects of home or novel environments on excessive grooming.  
*Behav Biol* 23(3):381-7, Jul 78

## AUTHOR SECTION

- ANIMAL/ \*CORTICOTROPIN, analogs & derivatives/ \*COSYNTROPIN, pharmacodynamics/ \*GROOMING, drug effects/ INJECTIONS, INTRAVENTRICULAR/ MALE/ RATS/ SOCIAL ADJUSTMENT/ \*SOCIAL ENVIRONMENT/ UNITED STATES GOV'T SUPPORTED, P.H.S.
760. Cole FE, Frolich ED, MacPhee AA: Angiotensin binding affinity and capacity in the midbrain area of spontaneously hypertensive and normotensive rats. *Brain Res* 154(1):178-81, 6 Oct 78  
 AGE FACTORS/ \*ANGIOTENSIN II, metabolism/ ANIMAL/ DISEASE MODELS, ANIMAL/ \*HYPERTENSION, metabolism/ HYPOTHALAMUS, metabolism/ \*MESENCEPHALON, metabolism/ RATS/ \*RECEPTORS, ANGIOTENSIN, metabolism/ \*RECEPTORS, HORMONE, metabolism/ SEPTAL NUCLEI, metabolism/ THALAMUS, metabolism
761. Coleman R, Silbermann M: Erythrocytes within pancreatic B-cells of corticosteroid-treated mice. *Experientia* 34(8):1049-50, 15 Aug 78  
 ANIMAL/ \*ERYTHROCYTES, ultrastructure/ FEMALE/ \*ISLANDS OF LANGERHANS, ultrastructure/ MICE/ MICE, INBRED ICR/ \*TRIAMCINOLONE, pharmacodynamics
762. Colenbrander B, de Jong FH, Wensing CJ: Changes in serum testosterone concentrations in the male pig during development. *J Reprod Fertil* 53(2):377-80, Jul 78  
 ANIMAL/ LH, blood/ MALE/ SWINE, embryology/ \*SWINE, growth & development/ SWINE, metabolism/ TESTIS, embryology/ \*TESTIS, growth & development/ \*TESTOSTERONE, blood
763. Coletti G, De Matteis M, Giannangeli G, et al: Osservazioni sugli effetti della asportazione della ghiandola sottomascellare nel topo sulle gonadi maschili. *Boll Soc Ital Biol Sper* 54(3):292-6, 15 Feb 78 (Ita)  
 ANIMAL/ ATROPHY/ MALE/ MICE/ POSTOPERATIVE COMPLICATIONS/ SUBMANDIBULAR GLAND, physiology/ \*SUBMANDIBULAR GLAND, surgery/ TESTIS, pathology/ \*TESTIS, physiology
764. Colina-Chourio J, McGiff JC, Nasjletti A: Effects of aldosterone and deoxycorticosterone on the urinary excretion of kallikrein and of prostaglandin E-like substance in the rat. *Contrib Nephrol* 12:126-31, 1978  
 \*ALDOSTERONE, pharmacodynamics/ ANIMAL/ \*DESOXYCORTICOSTERONE, pharmacodynamics/ \*KALLIKREIN, urine/ KIDNEY, drug effects/ KIDNEY, physiology/ MALE/ \*PROTAGLANDINS E, urine/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
765. Collins KJ: The endocrine component of human adaptation to cold and heat. pp. 294-301.  
 In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 \*ACCLIMATIZATION/ ALDOSTERONE, blood/ ANIMAL/ BODY TEMPERATURE/ COLD/ ENERGY METABOLISM/ HEAT/ \*HORMONES, physiology/ HUMAN/ METABOLIC CLEARANCE RATE/ MONOGRAPH/ RATS/ SHIVERING/ SKIN, physiology/ STRESS, physiopathology
766. Collins ML, O'Brien P, Tabrah N: Placenta previa percreta with bladder invasion. *JAMA* 240(16):1749, 13 Oct 78  
 ADULT/ \*BLADDER, pathology/ CASE REPORT/ CESAREAN SECTION/ DIABETES INSIPIDUS, drug therapy/ FEMALE/ HUMAN/ LYPRESSIN, therapeutic use/ PARITY/ \*PLACENTA ACCRETA, pathology/ \*PLACENTA PRAEVIA, pathology/ PREGNANCY
767. Collu R: Endocrine effects of brain serotonin depletion by 5,6-dihydroxytryptamine in prepubertal male rats. *Ann NY Acad Sci* 305:411-22, 12 Jun 78  
 ANIMAL/ \*BRAIN CHEMISTRY, drug effects/ \*ENDOCRINE GLANDS, drug effects/ GENITALIA, MALE, drug effects/ HORMONES, metabolism/ MALE/ ORGAN WEIGHT, drug effects/ RATS/ \*SEROTONIN, metabolism/ \*5,6-DIHYDROXYTRYPTAMINE, pharmacodynamics
768. Colpaert FC, Niemegeers CJ, Janssen PA, et al: Selective interference of ACTH4-10 with discriminative responding based on the narcotic cue. *Psychoneuroendocrinology* 3(2):203-10, Apr 78
- ANIMAL/ \*CONDITIONING, OPERANT, drug effects/ \*CORTICOTROPIN, pharmacodynamics/ \*CUES/ \*DISCRIMINATION LEARNING, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ \*FENTANYL/ FENTANYL, administration & dosage/ MALE/ PEPTIDE FRAGMENTS, pharmacodynamics/ PREMEDICATION/ RATS
769. Concolino G, Marocchi A, Conti C, et al: Human renal carcinoma as a hormone-dependent tumor. *Cancer Res* Pt 2:4340-4, Nov 78  
 \*ADENOCARCINOMA, metabolism/ ADENOCARCINOMA, therapy/ ADULT/ CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ ESTRADIOL, metabolism/ FEMALE/ HUMAN/ \*KIDNEY NEOPLASMS, metabolism/ KIDNEY NEOPLASMS, therapy/ MALE/ MIDDLE AGED NEOPLASM METASTASIS, metabolism/ \*NEOPLASMS, HORMONE-DEPENDENT, metabolism/ NEOPLASMS, HORMONE-DEPENDENT, therapy/ PROGESTATIONAL HORMONES, SYNTHETIC therapeutic use/ RECEPTORS, ESTROGEN/ RECEPTORS, PROGESTERONE/ REMISSION
770. Concordia N, Cappa F, Mascaretti G, et al: Influenza del sul metabolismo degli idrati di carbonio in gravidanza. *Boll Soc Ital Biol Sper* 54(7):633-7, 15 Apr 78  
 ADULT/ BLOOD SUGAR, analysis/ \*CARBOHYDRATES, metabolism/ FEMALE/ HUMAN/ INSULIN, blood/ \*PLACENTAL LACTOGEN, physiology/ \*PREGNANCY
771. Connolly TM, Vecsei P: Simple radioimmunoassay of cortisol in diluted samples of human plasma. *Clin Chem* 24(9):1468-72, Sep 78  
 COMPARATIVE STUDY/ CROSS REACTION/ FEMALE/ HUMAN/ \*HYDROCORTISONE, MICROCHEMISTRY/ PREGNANCY/ RADIOIMMUNOASSAY, methods
772. Conrad LM 3d, Hemken RW: Milk iodine as influence on iodophor test dip. *J Dairy Sci* 61(6):776-80, Jun 78  
 ANIMAL/ CATTLE/ CHLORINE, therapeutic use/ COMPARATIVE STUDY/ FEMALE/ \*IODINE analysis/ IODINE, blood/ \*IODINE, metabolism/ IODOPHORS, adverse effects/ \*IODOPHORS, metabolism/ IODOPHORS, therapeutic use/ MASTITIS, BOVINE, prevention & control/ \*IODINE analysis
773. Constantinescu A, Negoescu I, Heltianu C, et al: Experimental studies concerning the mechanism of the thyroid-pituitary interrelationship. I. The action of the pineal peptides on the thyroid gland. *Endocrinologie* 16(3):191-7, Jul-Sep 78  
 ANIMAL/ METHYLTHIOURACIL, pharmacodynamics/ \*PEPTIDES, pharmacodynamics/ \*PINEAL BODY, physiology/ RATS/ THYROID GLAND, drug effects/ \*THYROID GLAND, physiology/ THYROID HORMONES, metabolism
774. Constantinidis J, Aubert M, Tissot R: Contribution à l'étude des calcifications pallido-dentelées (à propos de sept observations anatomo-cliniques). *Schweiz Arch Neurol Neurochir Psychiatr* 122(2):219-22, 1978 (Eng. Abstr.)  
 AGED/ \*CALCINOSIS, pathology/ CASE REPORT/ \*CEREBELLAR NUCLEI, pathology/ \*CEREBROVASCULAR DISORDERS, pathology/ ENGLISH ABSTRACT/ FEMALE/ \*GLOBUS PALLIDUS, pathology/ HUMAN/ HYPERCALCEMIA, pathology/ HYPEROSTOCLASTIC BONE DISEASE, pathology/ HYPOTHYROIDISM, pathology/ MALE/ PARATHYROID GLANDS, abnormalities
775. Conte-Devolx B, Heim M: Sécrétion inappropriée d'hormone anti-diurétique au cours d'une poussée de polyurie intermittente. *Nouv Presse Med* 7(28):2474-5, 26 Aug 78  
 ACUTE DISEASE/ HUMAN/ \*INAPPROPRIATE ADH SYNDROME, etiology/ \*PORPHYRIA, complications
776. Contessa AR, Floreani M, Bonetti AC, et al: Liberation of cyanide from succinonitrile. 2. The effect of ethanol. *Biochem Pharmacol* 27(8):1135-8, 1978  
 \*ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL/ CARBON TETRACHLORIDE, pharmacodynamics/ \*CYANIDES, metabolism/ IN VITRO/ MICE/ \*NITRILES, metabolism/ NITRILES, toxicity



## AUTHOR SECTION

- NITRILES, urine/ RATS/ \*SUCCINATES, metabolism/ THIOCYANATES, metabolism/ THIOCYANATES, urine
777. Continenza MA, Domenici R, Anselmi E, et al: Alterazioni indotte nel pancreas di ratto da una somministrazione prolungata di CT 1341. *Boll Soc Ital Biol Sper* 54(7):643-6, 15 Apr 78 (Ita)  
\*ALTHESIN, pharmacodynamics/ \*ANESTHETICS, pharmacodynamics/ ANIMAL/ FEMALE/  
\*PANCREAS, drug effects/ \*PREGNANEDIONES, pharmacodynamics/ RATS
  778. Convey EM, Chapin LT, Thomas JW, et al: Serum thyrotropin, thyroxine, and tri-iodothyronine in dairy cows fed varying amounts of iodine. *J Dairy Sci* 61(6):771-5, Jun 78  
ANIMAL/ CATTLE/ DOSE-RESPONSE  
RELATIONSHIP, DRUG/ FEMALE/ \*IODINE, pharmacodynamics/ \*LACTATION/ PREGNANCY/ THYROID GLAND, drug effects/ THYROID GLAND, physiology/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ \*THYROTROPIN, blood/ \*THYROXINE, blood/  
\*TRIIODOTHYRONINE, blood
  779. Cook B, McDonald IR, Gibson WR: Prostatic function in the brush-tailed possum, *Trichosurus vulpecula*. *J Reprod Fertil* 53(2):369-75, Jul 78  
ANDROSTENEDIONE, blood/ ANIMAL/ MALE/ OPOSSUMS, anatomy & histology/ OPOSSUMS, metabolism/ \*OPOSSUMS, physiology/ ORGAN WEIGHT/ PROSTATE, blood supply/ PROSTATE, metabolism/ \*PROSTATE, physiology/ STANOLONE, blood/ TESTOSTERONE  
5-ALPHA-REDUCTASE, metabolism/ TESTOSTERONE, blood/ ZINC, metabolism
  780. Cooke RA, Nikles A, Roeser HP: A comparison of the antifertility effects of alkylating agents and vinca alkaloids in male rats. *Br J Pharmacol* 63(4):677-81, Aug 78  
\*ALKYLATING AGENTS, pharmacodynamics/ ANIMAL/ BLOOD, drug effects/ BODY WEIGHT, drug effects/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, pharmacodynamics/ \*FERTILITY, drug effects/ MALE/  
MECHLORETHAMINE, pharmacodynamics/ RATS/ TESTIS, anatomy & histology/ TESTIS, drug effects/ VINBLASTINE, pharmacodynamics/ \*VINCA ALKALOIDS, pharmacodynamics/ VINCRISTINE, pharmacodynamics
  781. Cools AR, Wiegant VM, Gispén WH: Distinct dopaminergic systems in ACTH-induced grooming. *Eur J Pharmacol* 50(3):265-8, 1 Aug 78  
ANIMAL/ CORTICOTROPIN, administration & dosage/ \*CORTICOTROPIN, pharmacodynamics/ \*DOPAMINE, physiology/ ERGOVINE, pharmacodynamics/ \*GROOMING, drug effects/ HALOPERIDOL, pharmacodynamics/ INJECTIONS, INTRAVENTRICULAR/ MALE/ RATS
  782. Coombes RC, Ellison ML, Easty GC, et al: The ectopic secretion of calcitonin by lung and breast carcinomas. *Clin Endocrinol (Oxf)* 5 Suppl:387S-396S, 1976  
\*BREAST NEOPLASMS, secretion/ BRONCHIAL NEOPLASMS, secretion/ CALCITONIN, blood/ \*CALCITONIN, secretion/ CARCINOMA, secretion/ CARCINOMA, EPIDERMOID, secretion/ CELLS, CULTURED/ CHROMATOGRAPHY, GEL/  
\*HORMONES, ECTOPIC, secretion/ HUMAN/ \*LUNG NEOPLASMS, secretion/ MICE/ MICE, NUDE/ RADIOIMMUNOASSAY/ THYROID NEOPLASMS, secretion
  783. Cooper RA, Riley JW, Middleton WR, et al: Transient metastatic calcification in primary hyperparathyroidism. *Aust NZ J Med* 8(3):285-7, Jun 78  
\*CALCINOSIS, etiology/ CASE REPORT/ HUMAN/  
\*HYPERPARATHYROIDISM, complications/ MALE/ MIDDLE AGE/ \*STOMACH DISEASES, etiology
  784. Cooper SM, Grigor MR: Stereospecific biosynthesis of triacylglycerols in mammary glands from lactating rats. *Biochem J* 174(2):659-62, 15 Aug 78  
ANIMAL/ CYTOSOL, metabolism/ FEMALE/  
\*LACTATION/ \*MAMMAE, metabolism/ MICROSOMES, metabolism/ MOLECULAR CONFORMATION/ PREGNANCY/ RATS/  
\*TRIGLYCERIDES, biosynthesis
  785. Coppola S, Zoina A, Marino P: Cyclic-AMP content in *Escherichia coli* B/b as affected by NI-(delta 2-isopentyl)adenine. *Zentralbl Bakteriol Parasitenkd Infektionskr Hyg* 133(3):245-9, 1978  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ \*ADENOSINE, analogs & derivatives/  
\*ESCHERICHIA COLI, drug effects/ ESCHERICHIA COLI, growth & development/ ESCHERICHIA COLI, metabolism/ \*ISOPENTENYLADENOSINE, pharmacodynamics
  786. Corallini A, Altavilla G, Cecchetti MG, et al: Ependymomas, malignant tumors of pancreatic islets, and osteosarcomas induced in hamsters by BK virus, a human papovavirus. *J Natl Cancer Inst* 61(3):875-83, Sep 78  
ANIMAL/ ANTIBODIES, VIRAL/ ANTIGENS, VIRAL/ BLOOD SUGAR, metabolism/ BK VIRUS, immunology/ \*EPENDYMOMA, etiology/ EPENDYMOMA, pathology/ HAMSTERS/ HORMONES, blood/ \*ISLANDS OF LANGERHANS/ LEUKOVIRUSES, isolation & purification/ MESOCRICETUS/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, etiology/ PANCREATIC NEOPLASMS, blood/ \*PANCREATIC NEOPLASMS, etiology/ \*SARCOMA, EXPERIMENTAL, etiology/ SARCOMA, OSTEOGENIC, etiology/ TRANSPLANTATION, HOMOLOGOUS/ \*TUMOR VIRUS INFECTIONS, etiology
  787. Corbet AJ, Flax P, Alston C, et al: Effect of aminophyllin and dexamethasone on secretion of pulmonary surfactant in fetal rabbits. *Pediatr Res* 12(7):797-9, Jul 78  
\*AMINOPHYLLINE, pharmacodynamics/ ANIMAL/  
\*DEXAMETHASONE, pharmacodynamics/ FETUS, drug effects/ LUNG, drug effects/ \*LUNG, embryology/ PREGNANCY/ \*PULMONARY SURFACTANT, secretion/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  788. Corbin A, Jaszczak S, Peluso J, et al: Effect of LH-RH peptide antagonist on serum LH, ovulation and menstrual cycle of crab-eating macaque. *Contraception* 18(2):105-20, Aug 78  
ANIMAL/ CERVIX MUCUS, drug effects/ CYNOMOLGUS MONKEYS/ FEMALE/ \*LH, blood/ \*LH-FSH RELEASING HORMONE, pharmacodynamics/ \*MENSTRUATION, drug effects/ MONKEYS/ \*OVULATION, drug effects
  789. Cordone G, Iester A, Venzano V, et al: Su di un caso di malattia di Thomsen associata ad ipoparatiroidismo. *Minerva Pediatr* 30(20):1629-34, 30 Oct 78 (Eng. Abstr.) (Ita)  
ADOLESCENCE/ ADRENERGIC BETA RECEPTOR AGONISTS, therapeutic use/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/  
\*HYPOPARATHYROIDISM, complications/ MALE/  
\*MYOTONIA CONGENITA, complications/ MYOTONIA CONGENITA, drug therapy/ PHENYTOIN, therapeutic use
  790. Corenblum B: Bromocriptine in pituitary tumours [letter] *Lancet* 2(8093):786, 7 Oct 78  
\*ADENOMA, drug therapy/ ANTINEOPLASTIC AGENTS/ HUMAN/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, drug therapy/  
\*PITUITARY NEOPLASMS, drug therapy/ PROLACTIN, secretion/  
\*2-BROMOERGOCRYPTINE, therapeutic use
  791. Corless D, Gupta SP, Switala S, et al: Response of plasma-25-hydroxyvitamin D to ultraviolet irradiation in long-stay geriatric patients. *Lancet* 2(8091):649-51, 23 Sep 78  
AGE FACTORS/ AGED/ ENGLAND/  
\*GERIATRICS/ HOSPITAL UNITS/ HUMAN/ HYDROXYCHOLECALCIFEROLS, blood/  
\*HYDROXYCHOLECALCIFEROLS, radiation effects/ LENGTH OF STAY/ LONG TERM CARE/  
\*OSTEOMALACIA, prevention & control/ RADIOTHERAPY DOSAGE/ \*ULTRAVIOLET THERAPY/ \*VITAMIN D DEFICIENCY, prevention & control
  792. Cortés Froteza C, Barbero Carballo C, Rodríguez Moñino A, et al: Anestesia en el feocromocitoma. *Rev Esp Anestesiol Reanim* 25(3):259-68, May 78 (Spa)  
\*ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ AGED/ FEMALE/ HUMAN/

# AUTHOR SECTION

- INTENSIVE CARE UNITS/ MALE/ MIDDLE AGE/ \*NEUROLEPTANALGESIA/ \*PHEOCHROMOCYTOMA, surgery/ PREOPERATIVE CARE/ RESPIRATION, ARTIFICIAL
793. Corvol MT, Dumontier MF, Rappaport R, et al: The effect of a slightly acidic somatomedin peptide (ILAs) on the sulphation of proteoglycans from articular and growth plate chondrocytes in culture. *Acta Endocrinol (Copenh)* 89(2):263-75, Oct 78  
ANIMAL/ CARTILAGE, cytology/ \*CARTILAGE, metabolism/ CARTILAGE, ARTICULAR, cytology/ \*CARTILAGE, ARTICULAR, metabolism/ CELLS, CULTURED/ CULTURE MEDIA/ DNA, metabolism/ HEXURONIC ACIDS, metabolism/ HUMAN/ \*PEPTIDES, pharmacodynamics/ PROTEOGLYCANS, biosynthesis/ PROTEOGLYCANS, isolation & purification/ \*PROTEOGLYCANS, metabolism/ RABBITS/ \*SOMATOMEDIN, pharmacodynamics/ \*SULFATES, metabolism
794. Coscina DV, McArthur RA, Stancer HC, et al: Association of altered brain norepinephrine and serotonin with the obesity induced by goldthioglucose in mice. *Pharmacol Biochem Behav* 9(1):123-8, Jul 78  
ANIMAL/ BODY WEIGHT, drug effects/ \*BRAIN, metabolism/ DOPAMINE, metabolism/ FEMALE/ \*GOLD THIOGLUCOSE, pharmacodynamics/ \*GOLD, pharmacodynamics/ HYDROXYINDOLEACETIC ACID, metabolism/ HYPOTHALAMUS, MEDIAL, drug effects/ MICE/ \*NOREPINEPHRINE, metabolism/ \*OBESITY, chemically induced/ OBESITY, metabolism/ \*SEROTONIN, metabolism
795. Coscina DV: Effects of central 5,7-dihydroxytryptamine on the medical hypothalamic syndrome in rats. *Ann NY Acad Sci* 305:627-44, 12 Jun 78  
ANIMAL/ BIOGENIC AMINES, metabolism/ BODY HEIGHT/ BODY WEIGHT, drug effects/ BRAIN, metabolism/ \*DIHYDROXYTRYPTAMINES, pharmacodynamics/ \*FEEDING BEHAVIOR, drug effects/ FEEDING BEHAVIOR, physiology/ FEMALE/ GASTROINTESTINAL SYSTEM, pathology/ HORMONES, metabolism/ \*HYPOTHALAMUS, physiology/ \*HYPOTHALAMUS, MEDIAL, physiology/ RATS/ TASTE/ \*5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics
796. Costa PP, Figueira AS, Bravo FR: Amyloid fibril protein related to prealbumin in familial amyloidotic polyneuropathy. *Proc Natl Acad Sci USA* 75(9):4499-503, Sep 78  
AMYLOID, analysis/ \*AMYLOID, metabolism/ AMYLOIDOSIS, familial & genetic/ \*AMYLOIDOSIS, metabolism/ HUMAN/ KIDNEY, metabolism/ LIVER, metabolism/ MOLECULAR WEIGHT/ PERIPHERAL NERVES, metabolism/ \*PREALBUMIN, metabolism/ \*SERUM ALBUMIN, metabolism/ THYROID GLAND, metabolism
797. Coughlin MD, Dibner MD, Boyer DM, et al: Factors regulating development of an embryonic mouse sympathetic ganglion. *Dev Biol* 66(2):513-28, Oct 78  
ADRENERGIC FIBERS, cytology/ ANIMAL/ CHOLINE ACETYLTRANSFERASE, metabolism/ COMPARATIVE STUDY/ \*GANGLIA, AUTONOMIC, embryology/ GANGLIA, AUTONOMIC, growth & development/ GANGLIA, AUTONOMIC, metabolism/ MICE/ NECK/ NERVE GROWTH FACTOR, pharmacodynamics/ NERVE TISSUE PROTEINS, biosynthesis/ SUBMANDIBULAR GLAND, embryology/ SUBMANDIBULAR GLAND, innervation/ TISSUE CULTURE/ TYROSINE HYDROXYLASE, metabolism/ UNITED STATES GOV'T SUPPORTED
798. Cowen DM, Searle F, Ward AM, et al: Multivariate biochemical indicators of breast cancer: an evaluation of their potential in routine practice. *Eur J Cancer* 14(8):885-93, Aug 78  
ADOLESCENCE/ ADULT/ AGED/ ALKALINE PHOSPHATASE, blood/ ALPHA GLOBULINS, analysis/ \*BREAST NEOPLASMS, blood/ BREAST NEOPLASMS, immunology/ C-REACTIVE PROTEIN, analysis/ CARCINOEMBRYONIC ANTIGEN, analysis/ CASEIN, blood/ EVALUATION STUDIES/ FEMALE/ GLUTAMYL TRANSPEPTIDASE, blood/ GLYCOPROTEINS, blood/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ MIDDLE AGE
799. Coy DH, Coy EJ, Vilchez-Martinez JA, et al: Suppression of gonadotropin release and ovulation in animals by inhibitors of luteinizing hormone-releasing hormone. *Curr Top Mol Endocrinol* 3:339-54, 1976 (22 ref.)  
ANIMAL/ BINDING, COMPETITIVE/ FEMALE/ FSH, blood/ FSH, secretion/ \*GONADOTROPIN, secretion/ LH, blood/ LH, secretion/ \*LH-FSH RELEASING HORMONE, analogs/ derivatives/ LH-FSH RELEASING HORMONE, antagonists & inhibitors/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ \*OVULATION, drug effects/ PREGNANCY/ REVIEW/ STRUCTURE-ACTIVITY RELATIONSHIP
800. Coy DH, Kastin AJ, Plotnikoff NP: Etudes biologiques avec les encéphalines, les endorphines et leurs analogues. *Ann Anesthesiol Fr* 19(5):373-8, 1978 (Eng. Abstr.)  
ANALGESIA/ ANIMAL/ DOGS/ \*ENDORPHINS, pharmacodynamics/ ENGLISH ABSTRACT/ \*ENKEPHALINS, pharmacodynamics/ GASTRIC JUICE, drug effects/ GASTRIC MUCOSA, blood supply/ GASTROINTESTINAL HORMONES, antagonists & inhibitors/ MICE/ PANCREAS, effects/ PROLACTIN RELEASING HORMONE, metabolism/ RATS/ REGIONAL BLOOD FLOW, drug effects/ SOMATOTROPIN RELEASING HORMONE, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
801. Coy DH, Kastin AJ, Walker MJ, et al: Increased activities of a fluorinated and a dimeric analogue of [D-Ala-2]-methionine enkephalinamide. *Biochem Biophys Res Commun* 83(3):977-83, 14 Aug 78  
\*ANALGESICS/ ANIMAL/ BEHAVIOR, ANIMAL/ drug effects/ BIOLOGICAL ASSAY/ \*ENDORPHINS, chemical synthesis/ \*ENKEPHALINS, chemical synthesis/ ENKEPHALINS, pharmacodynamics/ FEMALE/ MALE/ MICE/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED/ VAS DEFERENS, drug effects
802. Crabtree GR, Smith KA, Munck A: Glucocorticoid resistance and sensitivity of isolated human leukemia and lymphoma cells. *Cancer Res* 38(II Pt 2):4268-72, Nov 78  
COMPARATIVE STUDY/ \*DEXAMETHASONE, pharmacodynamics/ HUMAN/ IN VITRO/ LEUKEMIA, analysis/ \*LEUKEMIA, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, analysis/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, LYMPHOCYTIC, analysis/ LEUKEMIA, LYMPHOCYTIC, drug therapy/ LYMPHOCYTES, analysis/ LYMPHOCYTES, effects/ LYMPHOMA, analysis/ \*LYMPHOMA, drug therapy/ \*NEOPLASMS, HORMONE-DEPENDENT, drug therapy/ \*RECEPTORS, GLUCOCORTICOID/ RECEPTORS, GLUCOCORTICOID, analysis/ \*RECEPTORS, STEROID/ RECEPTORS, STEROID, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
803. Craft I, Swinhoe J, Mugglestone CJ: Menopausal therapy and endometrial pathology [letter] *Br Med J* 2(6134):427, Aug 78  
DRUG COMBINATIONS/ \*ENDOMETRIUM, pathology/ \*ESTRADIOL, adverse effects/ FEMALE/ HUMAN/ \*MENOPAUSE, drug effects/ \*NORETHINDRONE, adverse effects/ \*NORGESTREL, adverse effects
804. Crain SM, Crain B, Peterson ER, et al: Selective desensitization by opioid peptides of sensory-evoked dorsal-horn responses in organized spinal cord cultures. *Brain* 101(1):196-201, 17 Nov 78  
ANIMAL/ CALCIUM, pharmacodynamics/ \*ENDORPHINS, pharmacodynamics/ \*ENKEPHALINS, pharmacodynamics/ EVOKED POTENTIALS, drug effects/ GANGLIA, SPINAL, drug effects/ \*GANGLIA, SPINAL, physiology/ \*MECHANORECEPTORS, physiology/ MIC/ RECEPTORS, NARCOTIC, drug effects/ SPINAL CORD, drug effects/ \*SPINAL CORD, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
805. Crawford A, Atkins D, Martin TJ: Rat osteogenic sarcoma



# AUTHOR SECTION

- comparison of the effects of prostaglandins E1, E2, I2 (prostacyclin), 6-keto F1alpha and thromboxane B2 on cyclic AMP production and adenylate cyclase activity.  
Biochem Biophys Res Commun 82(4):1195-201, 29 Jun 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ \*ADENYL CYCLASE, metabolism/ ANIMAL/ COMPARATIVE STUDY/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS X, pharmacodynamics/ \*PROSTAGLANDINS, pharmacodynamics/ RATS/ \*SARCOMA, EXPERIMENTAL, metabolism/ \*SARCOMA, OSTEOGENIC, metabolism/ \*THROMBOXANE B2, pharmacodynamics/ \*THROMBOXANES, pharmacodynamics
806. Crawford JA, Gumerman LW: Alteration of body distribution of 99mTc-pyrophosphate by radiographic contrast material. Clin Nucl Med 3(8):305-7, Aug 78  
AGED/ \*BONE AND BONES, radionuclide imaging/ CASE REPORT/ \*DIATRIZOATE, diagnostic use/ DIATRIZOATE, pharmacodynamics/ DRUG INTERACTIONS/ FEMALE/ HUMAN/ KIDNEY, radionuclide imaging/ LIVER, radionuclide imaging/ \*PYROPHOSPHATES, diagnostic use/ PYROPHOSPHATES, pharmacodynamics/ \*TECHNETIUM, diagnostic use
807. Crile G Jr: The treatment of hyperthyroidism. World J Surg 2(3):279-80, May 78  
CHILD/ \*GOITER, EXOPHTHALMIC, radiotherapy/ HUMAN/ \*HYPERTHYROIDISM, radiotherapy/ IODINE RADIOISOTOPES, adverse effects/ \*IODINE RADIOISOTOPES, therapeutic use/ NEOPLASMS, RADIATION-INDUCED, etiology/ THYROID NEOPLASMS, etiology
808. Crim LW, Evans DM: Seasonal levels of pituitary and plasma gonadotropin in male and female Atlantic salmon parr. Can J Zool 56(7):1550-5, Jul 78  
ANIMAL/ FEMALE/ \*LH-FSH RELEASING HORMONE, metabolism/ MALE/ PITUITARY GLAND, metabolism/ \*SALMON, metabolism/ \*SEASONS
809. Crisosto C, Reid I: A propósito de un embarazo logrado con 2 bromo alfa ergocriptina. Rev Chil Obstet Ginecol 42(4):242-7, 1977 (Spa)  
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ PITUITARY GLAND, ANTERIOR, physiology/ PREGNANCY/ PROLACTIN, secretion/ \*STERILITY, FEMALE, drug therapy/ STIMULATION, CHEMICAL/ 2-BROMOERGOCRYPTINE, pharmacodynamics/ \*2-BROMOERGOCRYPTINE, therapeutic use
810. Crisp AH: Disturbances of neurotransmitter metabolism in anorexia nervosa. Proc Nutr Soc 37(2):201-9, Sep 78  
AMENORRHEA, etiology/ ANOREXIA NERVOSA, complications/ \*ANOREXIA NERVOSA, physiopathology/ APPETITE REGULATION, drug effects/ FEEDING BEHAVIOR/ FEMALE/ HUMAN/ HYPOTHALAMUS, physiopathology/ \*NEUROHUMORS, physiology/ RATS/ SLEEP DISORDERS, etiology/ SLEEP, REM, drug effects/ VOMITING
811. Criss WE, Pradhan TK: Purification and characterization of adenylate kinase from rat liver. Methods Enzymol 51:459-67, 1978  
\*ADENYLATE KINASE, isolation & purification/ ADENYLATE KINASE, metabolism/ AMINO ACIDS, analysis/ ANIMAL/ CARBOXYLIC ACIDS, pharmacodynamics/ KINETICS/ KREBS CYCLE/ \*LIVER, enzymology/ MACROMOLECULAR SYSTEMS/ MOLECULAR WEIGHT/ \*PHOSPHOTRANSFERASES, ATP, isolation & purification/ PROSTAGLANDINS, pharmacodynamics/ RATS/ RIBONUCLEOTIDES, pharmacodynamics/ SPECTROPHOTOMETRY, ULTRAVIOLET, methods/ UNITED STATES GOV'T SUPPORTED, P.H.S.
812. Crivello JF, Jefcoate CR: Mechanisms of corticotropin action in rat adrenal cells. I. The effects of inhibitors of protein synthesis and of microfilament formation on corticosterone synthesis. Biochim Biophys Acta 542(2):315-29, 17 Aug 78  
ADRENAL CORTEX, drug effects/ \*ADRENAL CORTEX, metabolism/ ANIMAL/ COLCHICINE, pharmacodynamics/ \*CORTICOSTERONE, biosynthesis/ \*CORTICOTROPIN, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ CYTOCHALASIN B, pharmacodynamics/ CYTOCHROME P-450, metabolism/ \*CYTOPLASM, drug effects/ FEMALE/ KINETICS/ \*MICROFILAMENTS, drug effects/ \*MICROTUBULES, drug effects/ \*PROTEINS, biosynthesis/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
813. Crofton JT, Share L, Shade RE, et al: Vasopressin in the rat with spontaneous hypertension. Am J Physiol 235(4):H361-6, Oct 78  
ANIMAL/ BODY WEIGHT/ HYPERTENSION, blood/ \*HYPERTENSION, physiopathology/ HYPERTENSION, urine/ MALE/ PITUITARY GLAND, POSTERIOR, analysis/ \*PITUITARY GLAND, POSTERIOR, secretion/ RADIOIMMUNOASSAY/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOPRESSINS, blood/ \*VASOPRESSINS, secretion/ VASOPRESSINS, urine
814. Crosignani PG, Peracchi M, Lomhrosso GC, et al: Antiserotonin treatment of hyperprolactinemic amenorrhea: long-term follow-up with metergoline, methysergide, and cyproheptadine. Am J Obstet Gynecol 132(3):307-12, 1 Oct 78  
AMENORRHEA, complications/ \*AMENORRHEA, drug therapy/ CYPROHEPTADINE, therapeutic use/ FEMALE/ GALACTORRHEA, complications/ GALACTORRHEA, drug therapy/ HUMAN/ METHERGOLINE, therapeutic use/ METHYERGIDE, therapeutic use/ PITUITARY NEOPLASMS, complications/ PREGNANCY/ \*PROLACTIN, blood/ SELLA TURCICA, pathology/ \*SEROTONIN ANTAGONISTS, therapeutic use
815. Crow TJ, Johnstone EC, Longden A, et al: Dopamine and schizophrenia. Adv Biochem Psychopharmacol 19:301-9, 1978 (26 ref.)  
AMPHETAMINES, poisoning/ BRAIN, metabolism/ DOPAMINE, metabolism/ \*DOPAMINE, physiology/ GLUTAMATE DECARBOXYLASE, metabolism/ HOMO VANILLIC ACID, metabolism/ HUMAN/ NEURONS, physiology/ PROLACTIN, metabolism/ PSYCHOSES, TOXIC, etiology/ RECEPTORS, DOPAMINE, drug effects/ REVIEW/ SCHIZOPHRENIA, drug therapy/ SCHIZOPHRENIA, metabolism/ \*SCHIZOPHRENIA, physiopathology/ TIME FACTORS/ TRANQUILIZING AGENTS, MAJOR, pharmacodynamics/ TRANQUILIZING AGENTS, MAJOR, therapeutic use
816. Crow TJ: Clinical Research Centre Division of Psychiatry 1974-1977. Psychol Med 8(3):515-23, Aug 78  
ACUTE DISEASE/ COGNITION DISORDERS, etiology/ DISEASE MODELS, ANIMAL/ HUMAN/ NOREPINEPHRINE, metabolism/ NUCLEUS ACCUMBENS, drug effects/ PROLACTIN, metabolism/ \*PSYCHIATRY/ PSYCHOTROPIC DRUGS, pharmacodynamics/ RECEPTORS, ADRENERGIC, physiology/ RECEPTORS, DOPAMINE, drug effects/ RECEPTORS, DOPAMINE, physiology/ \*RESEARCH/ SCHIZOPHRENIA, complications/ SCHIZOPHRENIA, drug therapy/ SCHIZOPHRENIA, enzymology/ SCHIZOPHRENIC PSYCHOLOGY
817. Crowley WR, O'Donohue TL, Wachslicht H, et al: Effects of estrogen and progesterone on plasma gonadotropins and on catecholamine levels and turnover in discrete brain regions of ovariectomized rats. Brain Res 154(2):345-57, 13 Oct 78  
ANIMAL/ \*BRAIN, metabolism/ \*CASTRATION/ \*DOPAMINE, metabolism/ \*ESTRADIOL, pharmacodynamics/ FEMALE/ \*FSH, blood/ \*LH, blood/ METHYLTYROSINES, pharmacodynamics/ NEURAL TRANSMISSION, drug effects/ NEUROSECRETION, drug effects/ \*NOREPINEPHRINE, metabolism/ \*PROGESTERONE, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
818. Crowley WR, O'Donohue TL, Jacobowitz DM: Sex differences in catecholamine content in discrete brain nuclei of the rat: effects of neonatal castration or testosterone treatment. Acta Endocrinol (Copenh) 89(1):20-8, Sep 78  
ANIMAL/ ANIMALS, NEWBORN/ \*BRAIN, metabolism/ \*CASTRATION/ \*DOPAMINE, metabolism/ FEMALE/ MALE/



# AUTHOR SECTION

- \*NOREPINEPHRINE, metabolism/ RATS/ SEX FACTORS/ SEX MATURATION/ \*TESTOSTERONE, pharmacodynamics
819. Csaba G, László V, Darvas Z: Effects of H1 and H2 receptor antagonists on Tetrahymena. *Acta Biol Med Ger* 37(1):161-3, 1978  
ANIMAL/ \*INDENES, pharmacodynamics/ \*METIAMIDE, pharmacodynamics/ \*PHAGOCYTOSIS, drug effects/ \*PYRIDINES, pharmacodynamics/ RECEPTORS, HISTAMINE H1, physiology/ RECEPTORS, HISTAMINE H2, physiology/ TETRAHYMENA PYRIFORMIS, drug effects/ \*TETRAHYMENA PYRIFORMIS, physiology/ \*THIOUREA, analogs & derivatives
  820. Csaba I, Sulyok E, Ertl T: A császármetszést követő újszülöttkori respiratorikus distress syndrome pathomechanizmusáról. *Orv Hetil* 119(43):2623-8, 22 Oct 78 (Hun)  
\*CESAREAN SECTION, adverse effects/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ LABOR/ PREGNANCY/ PRESSURE/ PROSTAGLANDINS, physiology/ \*RESPIRATORY DISTRESS SYNDROME, etiology
  821. Csapo AI, Currie WB, Erdos T, et al: The effect of passive immunization against estradiol on the regulatory profile and character of labor in the rat. *Am J Obstet Gynecol* 132(4):464-70, 15 Oct 78  
ANIMAL/ ANTIBODIES/ BIRTH WEIGHT/ \*ESTRADIOL, blood/ ESTRADIOL, immunology/ ESTRADIOL, physiology/ FEMALE/ \*IMMUNITY, PASSIVE/ \*LABOR/ PREGNANCY/ PROGESTERONE, analysis/ PROGESTERONE, blood/ PROSTAGLANDINS F, analysis/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, analysis
  822. Cserr HF, Berman BJ: Iodide and thiocyanate efflux from brain following injection into rat caudate nucleus. *Am J Physiol* 235(4):F331-7, Oct 78  
ANIMAL/ AUTORADIOGRAPHY/ \*BLOOD-BRAIN BARRIER/ \*BRAIN, metabolism/ \*CAUDATE NUCLEUS/ IODIDES, cerebrospinal fluid/ \*IODIDES, metabolism/ IODINE RADIOISOTOPES, administration & dosage/ MALE/ RATS/ SULFUR RADIOISOTOPES, administration & dosage/ THIOCYANATES, cerebrospinal fluid/ \*THIOCYANATES, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  823. Cuarón Santisteban A, Happée de Cuarón C, Cortés Gallegos V: Observaciones sobre la interacción de la tiroxina con su principal proteína transportadora y sus relaciones con las pruebas in vitro de la función tiroidea. II. Cuadros clínicos que alteran a las proteínas séricas. *Arch Inst Cardiol Mex* 48(4):754-78, Jul-Aug 78 (Eng. Abstr.) (Spa)  
BIOLOGICAL TRANSPORT/ COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL, pharmacodynamics/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ NEPHROSIS, diagnosis/ NEPHROSIS, metabolism/ NUTRITION DISORDERS, diagnosis/ NUTRITION DISORDERS, metabolism/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY/ \*THYROID DISEASES, metabolism/ THYROID FUNCTION TESTS/ THYROXINE BINDING PROTEIN, blood/ \*THYROXINE BINDING PROTEIN, physiology/ THYROXINE, blood/ \*THYROXINE, physiology/ TRIIODOTHYRONINE, blood/ \*TRIIODOTHYRONINE, physiology
  824. Cuenca E, Carrasco MS, Serrano MI, et al: Estudio de la actividad analgésica de la T.R.H. y su modificación por la administración previa de naloxona. *Rev Esp Anestesiol Reanim* 25(3):182-8, May 78 (Spa)  
\*ANALGESIA/ ANALGESICS/ ANIMAL/ COMPARATIVE STUDY/ FEMALE/ \*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ MICE/ \*NALOXONE, administration & dosage/ THYROTROPIN RELEASING HORMONE, antagonists & inhibitors/ \*THYROTROPIN RELEASING HORMONE, pharmacodynamics
  825. Cuenca E, Galiana J, Cañete JM: Prolactina en la depresión. *Arch Farmacol Toxicol* 4(1):47-9, Apr 78 (Spa)  
ADULT/ \*DEPRESSION, blood/ DEPRESSION, diagnosis/ FEMALE/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MALE/ \*PROLACTIN, blood
  826. Cuenca E, Serrano MI, Gibert-Rahola J, et al: Estudio actividad analgésica de la T.R.H. y del M.I.F. *Arch Farmacol Toxicol* 4(1):71-6, Apr 78  
ACETYLCHOLINE, antagonists & inhibitors/ \*ANALGESICS/ ANALGESICS, administration dosage/ ANIMAL/ FEMALE/ INJECTIONS, INTRAVENOUS/ MICE/ MUSCLE CRAMP, chemically induced/ MSH, administration & dosage/ \*MSH, pharmacodynamics/ NALOXONE, administration & dosage/ NALOXONE, pharmacodynamics/ PAIN, drug therapy/ THYROTROPIN RELEASING HORMONE, administration & dosage/ \*THYROTROPIN RELEASING HORMONE, pharmacodynamics/ TIME FACTORS
  827. Cuenca E, Galiana J, Lafuente L, et al: T.R.H. y metabolismo lipídico. *Arch Farmacol Toxicol* 4(1):21-4, Apr 78  
ANIMAL/ BODY TEMPERATURE, drug effects/ BODY WEIGHT, drug effects/ FEMALE/ \*LIPID metabolism/ PROLACTIN, secretion/ RATS/ \*THYROTROPIN RELEASING HORMONE, pharmacodynamics/ 2-BROMOERGOCRYPTIN, pharmacodynamics
  828. Cummings JH: Nutritional implications of dietary fiber. *Am J Clin Nutr* 31(10 Suppl):521-529, Oct 78  
CALCIUM, metabolism/ \*CELLULOSE/ CELLULOSE, metabolism/ DIETARY FATS, metabolism/ \*DIETARY FIBER/ DIETARY FIBER, metabolism/ DIETARY PROTEINS, metabolism/ FECES/ HUMAN/ \*INTESTINAL ABSORPTION, metabolism/ \*IRON, metabolism/ \*NUTRITION/ VITAMINS, metabolism/ ZINC, metabolism
  829. Cunliffe WJ: Dermatology: acne vulgaris. *Br J Hosp Med* 20(1):24-31, Jul 78  
ACNE, drug therapy/ \*ACNE, etiology/ ADOLESCENCE/ ADULT/ ANDROGENS, metabolism/ ANTIBIOTICS, therapeutic use/ CHILD/ FEMALE/ HUMAN/ MALE/ PROPIONIBACTERIUM ACNES, pathogenicity/ SEBUM, metabolism/ SKIN, microbiology
  830. Cupps TR, Woolf PD: Primary empty sella syndrome panhypopituitarism, diabetes insipidus, and visual field defects. *Acta Endocrinol (Copenh)* 89(3):445-60, Nov 78  
ADOLESCENCE/ ADULT/ AGED/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ \*DIABETES INSIPIDUS, etiology/ \*EMPTY SELLA SYNDROME, complications/ \*EMPTY SELLA SYNDROME, diagnosis/ \*EMPTY SELLA SYNDROME, surgery/ FEMALE/ HUMAN/ \*HYPOPHYSEAL SYSTEM, complications/ MIDDLE AGE/ PERIMETRY, PITUITARY FUNCTION TESTS/ THYROID FUNCTION TESTS/ \*VISION DISORDERS, etiology/ \*VISUAL FIELDS
  831. Curci S, Casavola V, Lippe C: Facilitated transport of drugs across the gall-bladder luminal membrane. *Arch Int Physiol Biochim* 86(2):243-50, May 78  
ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ BUFO BUFO/ EPITHELIUM, metabolism/ FEMALE/ GALLBLADDER, drug effects/ \*GALLBLADDER, metabolism/ KINETICS/ PHLORETIN, pharmacodynamics/ THIOUREA, pharmacodynamics/ \*UREA, metabolism
  832. Curčić-Stojković O, Nikolic LJ, Obradović D, et al: Noonan's syndrome (Male Turner's syndrome, Turner-like syndrome). *Med Pregl* 31(7-8):299-303, 1978 (Eng. Abstr.)  
CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ INFANT, NEWBORN/ MALE/ \*NOONAN SYNDROME
  833. Currie JR, Hollyfield JG, Rayborn ME: Rod outer segment elongate in constant light: darkness is required for shedding. *Vision Res* 18(8):995-1003, 1978  
ANIMAL/ BIOMETRY/ DARKNESS/ FROG/ \*LIGHT/ OPTIC NERVE, physiology/ PHAGOCYTOSIS/ PINEAL BODY, physiology/ PITUITARY GLAND, physiology/ RANA PIPER/ \*RODS AND CONES, cytology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  834. Currie VE, Wong PP, Krakoff IH, et al: Phase I trial of vindesine in patients with advanced cancer. *Cancer Treat Rep* 62(9):1333-6, Sep 78  
ADULT/ CLINICAL RESEARCH/ DOSE-RESPONSE RELATIONSHIP, DRUG



# AUTHOR SECTION

- DRUG EVALUATION/ HUMAN/ LEUKEMIA, drug therapy/ LYMPHOMA, drug therapy/ \*NEOPLASMS, drug therapy/ TESTICULAR NEOPLASMS, drug therapy/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VINCA ALKALOIDS, administration & dosage/ \*VINCA ALKALOIDS, therapeutic use
835. Curtis LE: Management of postoperative gastrointestinal bleeding. *Orthop Clin North Am* 9(3):791-7, Jul 78  
ANGIOGRAPHY/ EMBOLIZATION, THERAPEUTIC/ ENDOSCOPY/ HEMORRHAGE, GASTROINTESTINAL, diagnosis/ HEMORRHAGE, GASTROINTESTINAL, etiology/ \*HEMORRHAGE, GASTROINTESTINAL, therapy/ HUMAN/ HYDROGEN-ION CONCENTRATION/ PEPTIC ULCER HEMORRHAGE, etiology/ \*POSTOPERATIVE COMPLICATIONS, therapy/ STOMACH ULCER, complications/ STRESS, complications/ VASOPRESSINS, therapeutic use
836. Curtiss C, Cohn JN, Vrobel T, et al: Role of the renin-angiotensin system in the systemic vasoconstriction of chronic congestive heart failure. *Circulation* 58(5):763-70, Nov 78  
ADULT/ AGED/ \*ANGIOTENSIN II, physiology/ \*BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/ CARDIAC OUTPUT, drug effects/ FEMALE/ HEART FAILURE, CONGESTIVE, blood/ HEART FAILURE, CONGESTIVE, drug therapy/ \*HEART FAILURE, CONGESTIVE, physiopathology/ HUMAN/ MALE/ MIDDLE AGE/ NOREPINEPHRINE, blood/ PULMONARY CIRCULATION, drug effects/ RENIN, blood/ \*RENIN, physiology/ SQ 20881, therapeutic use/ VASCULAR RESISTANCE, drug effects/ \*VASOCONSTRICTION/ VASOCONSTRICTION, drug effects
837. Curzon G, Fernando JC, Marsden CA: 5-Hydroxytryptamine: the effects of impaired synthesis on its metabolism and release in rat. *Br J Pharmacol* 63(4):627-34, Aug 78  
P-CHLOROAMPHETAMINE, pharmacodynamics/ P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ BRAIN CHEMISTRY, drug effects/ \*BRAIN, metabolism/ BRAIN, physiology/ BRAIN, ultrastructure/ ELECTRIC STIMULATION/ \*HISTAMINE LIBERATION, drug effects/ HYDROXYINDOLEACETIC ACID, analysis/ IN VITRO/ MALE/ MOTOR ACTIVITY, drug effects/ RATS/ \*SEROTONIN, biosynthesis/ SYNAPTOSOMES, metabolism/ TRYPTOPHAN, pharmacodynamics
838. Curzon G: Influence of nutritional state on transmitter synthesis. *Proc Nutr Soc* 37(2):155-7, Sep 78  
ANIMAL/ BRAIN, metabolism/ HUMAN/ \*NEUROHUMORS, biosynthesis/ \*NUTRITION/ RATS/ SEROTONIN, biosynthesis/ TRYPTOPHAN, metabolism
839. Cutilletta AF, Benjamin M, Culpepper WS, et al: Myocardial hypertrophy and ventricular performance in the absence of hypertension in spontaneously hypertensive rats. *J Mol Cell Cardiol* 10(8):689-93, Aug 78  
ANIMAL/ BLOOD PRESSURE/ CARDIAC OUTPUT/ HEART ENLARGEMENT, complications/ \*HEART ENLARGEMENT, physiopathology/ HEART RATE/ HEART VENTRICLE, physiopathology/ HYPERTENSION, complications/ HYPERTENSION, familial & genetic/ \*HYPERTENSION, physiopathology/ IMMUNE SERUMS/ MALE/ NERVE GROWTH FACTOR, physiology/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASCULAR RESISTANCE
840. Cutler L, Rodan G, Feinstein MB: Cytochemical localization of adenylate cyclase and of calcium ion, magnesium ion-activated ATPases in the dense tubular system of human blood platelets. *Biochim Biophys Acta* 542(3):357-71, 6 Sep 78  
\*ADENOSINE TRIPHOSPHATASE, CALCIUM, blood/ \*ADENYL CYCLASE, blood/ BIOLOGICAL TRANSPORT, ACTIVE/ \*BLOOD PLATELETS, enzymology/ BLOOD PLATELETS, ultrastructure/ CALCIUM, blood/ ENZYME ACTIVATION, drug effects/ HUMAN/ INTRACELLULAR MEMBRANES, enzymology/ MAGNESIUM, pharmacodynamics/ OUABAIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
841. Czauderna J, Smielowski B: Ocena porównawcza wyników leczenia zapaleń przydatków macicy sterydowymi i niesterydowymi środkami przeciwzapalnymi. *Wiad Lek* 31(12):829-34, 15 Jun 78 (Eng. Abstr.) (Pol)  
\*ADNEXITIS, drug therapy/ ADULT/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYDROCORTISONE, therapeutic use/ \*INDOMETHACIN, therapeutic use/ MIDDLE AGE
842. Czeizel E: Congenitalis malformatiók, 1978. *Orv Hetil* 119(41):2485-93, 8 Oct 78 (Hun)  
\*ABNORMALITIES, classification/ ABNORMALITIES, familial & genetic/ ABNORMALITIES, occurrence/ ABNORMALITIES, prevention & control/ ABNORMALITIES, MULTIPLE, classification/ ABNORMALITIES, MULTIPLE, familial & genetic/ ABNORMALITIES, MULTIPLE, occurrence/ ABNORMALITIES, MULTIPLE, prevention & control/ CHROMOSOME ABERRATIONS/ FEMALE/ GENETIC COUNSELING/ HUMAN/ HUNGARY/ MALE/ MASS SCREENING/ MENTAL RETARDATION, familial & genetic/ NOMENCLATURE/ RISK/ SEX CHROMOSOMES
843. Czok G: Arzneimittel und Vitaminversorgung. *Z Ernahrungswiss* 17(3):129-39, Sep 78 (Eng. Abstr.) (Ger)  
ALCOHOL, ETHYL, pharmacodynamics/ CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ DIURESIS, drug effects/ \*DRUG INTERACTIONS/ ENGLISH ABSTRACT/ FEMALE/ FOLIC ACID, metabolism/ HUMAN/ MALE/ PYRIDOXINE, metabolism/ SOLUBILITY/ THIAMINE, pharmacodynamics/ VITAMIN B DEFICIENCY, chemically induced/ \*VITAMINS, metabolism

## D

844. Dąbrowska B, Michalak E, Szumilak B: Uderzenie koniuszkowe u chorych z nadczynnością tarczycy. *Pol Arch Med Wewn* 60(1):15-21, Jul 78 (Eng. Abstr.) (Pol)  
ADOLESCENCE/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HEART RATE/ \*HEART, physiopathology/ HUMAN/ \*HYPERTHYROIDISM, physiopathology/ KINETOCARDIOGRAPHY/ MALE/ MIDDLE AGE
845. Da Costa EO, Netto CF, Rodrigues A, et al: Bovine experimental paracoccidiodomycosis intradermic test standardization. *Sabouraudia* 16(2):103-13, Jun 78  
ANIMAL/ ANTIGENS, FUNGAL/ CATTLE DISEASES, diagnosis/ CATTLE DISEASES, pathology/ CATTLE/ COMPLEMENT FIXATION TESTS/ DISEASE MODELS, ANIMAL/ HISTOPLASMIN/ \*INTRADERMAL TESTS, methods/ PARACOCIDIOIDOMYCOSIS, diagnosis/ PARACOCIDIOIDOMYCOSIS, pathology/ \*PARACOCIDIOIDOMYCOSIS, veterinary/ \*SKIN TESTS, methods/ TESTIS, pathology
846. D'Addabbo A, Fratello A, Grasso G, et al: <sup>99m</sup>Tc-pyrophosphate kinetics in man (relationship between bone uptake and mineral content). *Ric Clin Lab* 8(1-2):100-11, Jan-Jun 78  
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ \*BONE AND BONES, metabolism/ BONE AND BONES, radionuclide imaging/ CHILD/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ MINERALS, metabolism/ \*PYROPHOSPHATES, metabolism/ SCINTILLATION COUNTING/ \*TECHNETIUM, metabolism
847. Daggett P, Verner I, Carruthers M: Intraoperative management of pheochromocytoma with sodium nitroprusside. *Br Med J* 2(6133):311-3, 29 Jul 78  
\*ADRENAL GLAND NEOPLASMS, surgery/ ANESTHESIA, GENERAL/ BLOOD PRESSURE/ CASE REPORT/ CATECHOLAMINES, blood/ \*FERRICYANIDES, therapeutic use/ HUMAN/ \*NITROPRUSSIDE, therapeutic use/ \*PHEOCHROMOCYTOMA, surgery
848. Dabl E: The ultrastructure of the accessory sex organs of the male rat. XII. Nuclear alterations of prostatic epithelial cells induced by anti-androgens. *Cell Tissue Res* 192(1):39-51, 25

# AUTHOR SECTION

- Aug 78  
 \*ANDROGEN ANTAGONISTS, pharmacodynamics/  
 ANIMAL/ CELL NUCLEUS, drug effects/ CELL  
 NUCLEUS, ultrastructure/ \*CHLORMADINONE,  
 pharmacodynamics/ \*CYPROTERONE,  
 pharmacodynamics/ EPITHELIUM, drug effects/  
 EPITHELIUM, ultrastructure/ MALE/ \*PROSTATE,  
 drug effects/ PROSTATE, ultrastructure/ RATS
849. Dahl J: Therapie und Behandlungsergebnisse bei malignen  
 Ovarialtumoren (Erfahrungsbericht der Jahrgänge  
 1945-1976). Zentralbl Gynaekol 100(15):992-9, 1978 (Eng.  
 Abstr.) (Ger)  
 ADULT/ AGED/ ENGLISH ABSTRACT/  
 FEMALE/ GERMANY, EAST/ HUMAN/  
 LAPAROTOMY/ METHODS/ MIDDLE AGE/  
 OVARIAN NEOPLASMS, surgery/ \*OVARIAN  
 NEOPLASMS, therapy/ PALLIATIVE  
 TREATMENT/ RETROSPECTIVE STUDIES
850. Daiguji M, Mikuni M, Okada F, et al: The diurnal variations  
 of dopamine-beta-hydroxylase activity in the hypothalamus  
 and locus coeruleus of the rat. Brain Res 155(2):409-12, 27  
 Oct 78  
 ANIMAL/ \*CIRCADIAN RHYTHM/  
 CORTICOSTERONE, blood/ \*DIURNAL  
 RHYTHM/ \*DOPAMINE BETA-HYDROXYLASE,  
 metabolism/ \*HYPOTHALAMUS, enzymology/  
 HYPOTHALAMUS, ANTERIOR, enzymology/  
 HYPOTHALAMUS, POSTERIOR, enzymology/  
 \*LOCUS COERULEUS, enzymology/ MALE/ RATS
851. Dajani EZ, Callison DA, Bianchi RG: Gastric antisecretory  
 effects of propantheline bromide and metiamide in rhesus  
 monkeys. Arch Int Pharmacodyn Ther 234(1):107-17, Jul  
 78  
 ANIMAL/ DEPRESSION, CHEMICAL/ FEMALE/  
 \*GASTRIC JUICE, secretion/ \*METIAMIDE,  
 pharmacodynamics/ MONKEYS/  
 \*PROPANTHELINE BROMIDE, pharmacodynamics/  
 RHESUS MONKEYS/ \*THIOUREA, analogs &  
 derivatives/ TIME FACTORS
852. Dallman MF, Engeland WC, McBride MH: The neural  
 regulation of compensatory adrenal growth.  
 Ann NY Acad Sci 297:373-92, 28 Oct 77  
 ADRENAL GLANDS, drug effects/ \*ADRENAL  
 GLANDS, growth & development/ ADRENAL  
 GLANDS, innervation/ ADRENALECTOMY/  
 AFFERENT PATHWAYS/ ANIMAL/  
 CORTICOTROPIN, pharmacodynamics/  
 DEXAMETHASONE, pharmacodynamics/  
 EFFERENT PATHWAYS/ HYPOPHYSECTOMY/  
 HYPOTHALAMO-HYPOPHYSEAL SYSTEM,  
 innervation/ HYPOTHALAMUS, physiology/ MALE/  
 \*NEUROPHYSIOLOGY/ PITUITARY GLAND,  
 physiology/ PITUITARY-ADRENAL SYSTEM,  
 innervation/ RATS/ UNITED STATES GOV'T  
 SUPPORTED/ UNITED STATES GOV'T  
 SUPPORTED, P.H.S.
853. Dallman MF, Wilkinson CW: Feedback and facilitation in the  
 adrenocortical system and the endocrine responses to  
 repeated stimuli. pp. 252-9.  
 In: Assenmacher I, Farner DS, ed. Environmental  
 endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 \*ADRENAL CORTEX HORMONES, physiology/  
 ADRENAL CORTEX, drug effects/ \*ADRENAL  
 CORTEX, physiology/ ADRENAL CORTEX,  
 physiopathology/ ANIMAL/ CORTICOSTERONE,  
 blood/ CORTICOTROPIN, pharmacodynamics/  
 DEXAMETHASONE, pharmacodynamics/  
 FEMALE/ HORMONES, pharmacodynamics/  
 MONOGRAPH/ RATS/ \*STRESS, physiopathology/  
 UNITED STATES GOV'T SUPPORTED/ UNITED  
 STATES GOV'T SUPPORTED, P.H.S.
854. Dalterio S, Bartke A, Roberson C, et al: Direct and  
 pituitary-mediated effects of delta9-THC and cannabinalol on  
 the testis. Pharmacol Biochem Behav 8(6):673-8, Jun 78  
 ANIMAL/ \*CANNABINOIDS, pharmacodynamics/  
 \*CANNABINOL, pharmacodynamics/ FSH,  
 metabolism/ GONADOTROPINS, CHORIONIC,  
 biosynthesis/ IN VITRO/ LH, metabolism/ MALE/  
 MICE/ \*PITUITARY GLAND, physiopathology/  
 PROGESTERONE, biosynthesis/  
 PROSTAGLANDINS, biosynthesis/ SEX  
 BEHAVIOR, ANIMAL, drug effects/ \*TESTIS, drug  
 effects/ TESTIS, metabolism/ TESTOSTERONE,  
 biosynthesis/ \*TETRAHYDROCANNABINOL,  
 pharmacodynamics/ UNITED STATES GOV'T  
 SUPPORTED, P.H.S.
855. Daly JR, Alagband-Zadeh J, Loveridge N, et al: The  
 cytochemical bioassay of corticotropin (ACTH).  
 Ann NY Acad Sci 297:242-59, 28 Oct 77  
 ADRENAL GLANDS, drug effects/ ANIMAL/  
 \*BIOLOGICAL ASSAY/ CIRCADIAN RHYTHM/  
 COMPARATIVE STUDY/ \*CORTICOTROPIN  
 analysis/ CORTICOTROPIN, blood/  
 CORTICOTROPIN, pharmacodynamics/ FEMALE/  
 GUINEA PIGS/ HISTOCYTOCHEMISTRY/  
 HYDROCORTISONE, blood/ IN VITRO/ MALE/  
 RADIOIMMUNOASSAY
856. Damber JE, Janson PO: The influence of scrotal warming  
 testicular blood flow and endocrine function in the rat.  
 Acta Physiol Scand 104(1):61-7, Sep 78  
 ANIMAL/ \*BODY TEMPERATURE/  
 EPIDIDYMIS, blood supply/ HEAT/ LEYDIG  
 CELLS, metabolism/ LH, pharmacodynamics/ MALE/  
 MICROSPHERES/ RATS/ REGIONAL BLOOD  
 FLOW/ \*SCROTUM, physiology/ \*TESTIS, blood  
 supply/ \*TESTOSTERONE, biosynthesis/  
 TESTOSTERONE, secretion/ VASCULAR  
 RESISTANCE
857. Damian E, Ianăş O, Bădescu I, et al: Anti-LH and FSH action  
 of melatonin-free pineal extract. Neuroendocrinology  
 26(6):325-32, 1978  
 ANIMAL/ BIOLOGICAL ASSAY/ CATTLE/  
 FEMALE/ \*FSH, metabolism/ \*LH, metabolism/  
 MALE/ \*MELATONIN, pharmacodynamics/ MICE/  
 ORGAN WEIGHT, drug effects/ \*PINEAL BODY,  
 physiology/ PROSTATE, drug effects/ PROSTATE,  
 physiology/ \*TISSUE EXTRACTS,  
 pharmacodynamics/ UTERUS, drug effects/ UTERUS,  
 physiology
858. Damian E, Janăş O, Bădescu I, et al: Circadian variation  
 of pituitary LH and FSH in the pinealectomized rat.  
 Endocrinologie 16(3):205-7, Jul-Sep 78  
 ANIMAL/ \*CIRCADIAN RHYTHM/ \*FSH,  
 biosynthesis/ \*LH, biosynthesis/ MALE/ \*PINEAL  
 BODY, physiology/ \*PITUITARY GLAND,  
 ANTERIOR, physiology/ RATS
859. Damian E: The role of the pineal gland in the lipid metabolism.  
 Endocrinologie 16(3):179-89, Jul-Sep 78  
 ADRENAL GLANDS, metabolism/ ANIMAL/  
 CHOLESTEROL, analysis/ CHOLESTEROL,  
 FATTY ACIDS, NONESTERIFIED, blood/  
 \*LIPIDS, metabolism/ LIVER, metabolism/  
 \*MELATONIN, pharmacodynamics/  
 PHOSPHOLIPIDS, blood/ \*PINEAL BODY,  
 physiology/ PINEAL BODY, surgery/ RATS/  
 TESTIS, analysis/ TISSUE EXTRACTS,  
 pharmacodynamics
860. Damjanov I: Development of teratomas from embryonic  
 transplanted into outbred and inbred adult hamsters.  
 J Natl Cancer Inst 61(3):911-5, Sep 78  
 ANIMAL/ CHEEK/ \*EMBRYO, transplantable/  
 FEMALE/ HAMSTERS/ INTESTINE, SMALL/  
 transplantation/ KIDNEY/ LUNG, transplantable/  
 MALE/ MESOCRICEUS/ NEOPLASMS,  
 EXPERIMENTAL, etiology/ PREGNANCY/  
 \*TERATOID TUMOR, etiology/ TERATOID  
 TUMOR, pathology/ TESTIS, transplantation/  
 FACTORS/ TRANSPLANTATION,  
 HOMOLOGOUS/ TRANSPLANTATION,  
 ISOGENEIC/ UNITED STATES GOV'T  
 SUPPORTED, P.H.S.
861. Dandliker WB, Brawn RJ, Hsu ML, et al: Investigation  
 of hormone-receptor interactions by means of fluorescent  
 labeling. Cancer Res 38(11 Pt 2):4212-24, Nov 78  
 ANIMAL/ BINDING, COMPETITIVE/ BREAST  
 NEOPLASMS, metabolism/ CARCINOMA,  
 DUCTAL, metabolism/ CYTOSOL, metabolism/  
 DIETHYLSTILBESTROL, metabolism/  
 ESTRADIOL, metabolism/ ESTROGEN  
 ANTAGONISTS, metabolism/ \*ESTROGENS,  
 SYNTHETIC, metabolism/ ESTRONE, metabolism/  
 FEMALE/ FLUORESCENCE/ HUMAN/ IN  
 VITRO/ KINETICS/ RATS/ \*RECEPTORS,  
 ESTROGEN, metabolism/ UNITED STATES  
 SUPPORTED/ UNITED STATES GOV'T  
 SUPPORTED, P.H.S./ UTERUS, metabolism
862. Dang HR, Guraya SS: Seasonal fluctuations in the testis



# AUTHOR SECTION

- asymmetry of birds. *Acta Microbiol Acad Sci Hung* 25(2):1-2, 1978  
ANIMAL/ \*BIRDS, anatomy & histology/  
COMPARATIVE STUDY/ MALE/ ORGAN  
WEIGHT/ \*PARAKEETS, anatomy & histology/  
\*PSITTACINES, anatomy & histology/ SEASONS/  
\*TESTIS, anatomy & histology
- Dange AH, Malvankar AG, Madiwale MS:  
Geschlechtsbestimmung durch Zahnanalyse.  
*Arch Kriminol* 162(3-4):115-9, Sep-Oct 78 (Ger)  
CRIME/ \*DENTAL PULP, analysis/ FEMALE/  
\*FORENSIC DENTISTRY/ HUMAN/ INDIA/  
MALE/ SEX CHROMATIN, analysis/ \*SEX  
DETERMINATION, methods
- Daniels AJ, Williams RJ, Wright PE: The character of the  
stored molecules in chromaffin granules of the adrenal  
medulla: a nuclear magnetic resonance study.  
*Neuroscience* 3(6):573-85, 1978  
ADENOSINE TRIPHOSPHATE/ \*ADRENAL  
MEDULLA, ultrastructure/ ANIMAL/ CATTLE/  
CHEMISTRY/ \*CHROMOGRANINS, analysis/  
\*CYTOPLASMIC GRANULES, analysis/  
EPINEPHRINE/ \*NERVE TISSUE PROTEINS,  
analysis/ NUCLEAR MAGNETIC RESONANCE
- Daniels-McQueen S, McWilliams D, Birken S, et al:  
Identification of mRNAs encoding the alpha and beta  
subunits of human choriogonadotropin. *J Biol Chem*  
253(19):7109-14, 10 Oct 78  
FEMALE/ GONADOTROPINS, CHORIONIC,  
biosynthesis/ \*GONADOTROPINS, CHORIONIC,  
genetics/ HUMAN/ MACROMOLECULAR  
SYSTEMS/ MOLECULAR WEIGHT/ PLACENTA,  
metabolism/ PLANTS, metabolism/ PREGNANCY  
TRIMESTER, FIRST/ PREGNANCY/ \*RNA,  
MESSENGER/ RNA, MESSENGER, metabolism/  
TRANSLATION, GENETIC/ UNITED STATES  
GOV'T SUPPORTED, P.H.S./ WHEAT, metabolism
- Dankova J, Bédard P, Langelier P, et al: Dopaminergic agents  
and circling behaviour. *Gen Pharmacol* 9(5):295-302, 1978  
(85 ref.)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
pharmacodynamics/ AMPHETAMINE,  
pharmacodynamics/ ANIMAL/ APOMORPHINE,  
pharmacodynamics/ BEHAVIOR, ANIMAL, drug  
effects/ \*BRAIN, physiology/ \*DOPAMINE,  
physiology/ LEVODOPA, pharmacodynamics/  
LIMBIC SYSTEM, drug effects/ MOTOR ACTIVITY,  
drug effects/ \*MOTOR ACTIVITY, physiology/  
NOREPINEPHRINE, physiology/ RECEPTORS,  
DOPAMINE, drug effects/ REVIEW/ SEROTONIN,  
metabolism/ SUBSTANTIA NIGRA, drug effects
- Danoff BF, Pripstein S, Croce N, et al: The value of  
computerized tomography in delineating suprasellar  
extension of pituitary adenoma for radiotherapeutic  
management. *Cancer* 42(3):1066-72, Sep 78  
ADENOMA, pathology/ \*ADENOMA, radiography/  
ADENOMA, radiotherapy/ ANGIOGRAPHY/  
COMPARATIVE STUDY/ HUMAN/ PITUITARY  
NEOPLASMS, pathology/ \*PITUITARY  
NEOPLASMS, radiography/ PITUITARY  
NEOPLASMS, radiotherapy/  
PNEUMOENCEPHALOGRAPHY/  
RADIOGRAPHY, HIGH ENERGY/  
\*TOMOGRAPHY, COMPUTERIZED AXIAL
- Danovitch GM, Le Roith D, Glick S: Renal function during  
treatment of inappropriate secretion of antidiuretic hormone  
with demeclocycline. *Isr J Med Sci* 14(8):852-7, Aug 78  
CASE REPORT/  
\*DEMETHYLCHLORTETRACYCLINE, adverse  
effects/ GLOMERULAR FILTRATION RATE, drug  
effects/ HUMAN/ \*INAPPROPRIATE ADH  
SYNDROME, drug therapy/ INAPPROPRIATE ADH  
SYNDROME, physiopathology/ \*KIDNEY, drug  
effects/ KIDNEY, physiopathology/ MALE/  
MIDDLE AGE/ NATRIURESIS, drug effects
- Danzo BJ, Eller BC: Androgen metabolism by and binding  
to rabbit epididymal tissue: studies on nuclei.  
*J Steroid Biochem* 9(6):477-83, Jun 78  
ANIMAL/ CASTRATION/ \*CELL NUCLEUS,  
metabolism/ CYTOSOL, metabolism/ \*EPIDIDYMS,  
metabolism/ MALE/ RABBITS/ RECEPTORS,  
ANDROGEN/ \*STANOLONE, metabolism/  
TEMPERATURE/ \*TESTOSTERONE, metabolism/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
870. Dao TL: Adrenalectomy for palliation of metastatic breast  
cancer. *Int J Radiat Oncol Biol Phys* 4(5-6):473-6, May-Jun  
78  
ADRENAL CORTEX HORMONES, therapeutic use/  
ADRENAL GLAND HYPOFUNCTION, diagnosis/  
ADRENAL GLAND HYPOFUNCTION, drug  
therapy/ ADRENAL GLAND HYPOFUNCTION,  
prevention & control/ \*ADRENALECTOMY/  
ADRENALECTOMY, adverse effects/  
ADRENALECTOMY, methods/ BREAST  
NEOPLASMS, metabolism/ \*BREAST NEOPLASMS,  
therapy/ CASTRATION/ FEMALE/ HUMAN/  
NEOPLASM METASTASIS, therapy/ NEOPLASMS,  
HORMONE-DEPENDENT, metabolism/  
\*NEOPLASMS, HORMONE-DEPENDENT,  
therapy/ PALLIATIVE TREATMENT/  
RECEPTORS, ESTROGEN/ TIME FACTORS
871. Daoud FS, Reeves JT, Kelly DB: Isoproterenol as a potential  
pulmonary vasodilator in primary pulmonary hypertension.  
*Am J Cardiol* 42(5):817-22, Nov 78  
ADMINISTRATION, ORAL/ ADOLESCENCE/  
ADULT/ ANOXIA, blood/ AZATHIOPRINE,  
therapeutic use/ CARDIAC OUTPUT/  
DIPHENHYDRAMINE, therapeutic use/ DRUG  
EVALUATION/ HEART CATHETERIZATION/  
HUMAN/ HYDROCORTISONE, therapeutic use/  
\*HYPERTENSION, PULMONARY, drug therapy/  
HYPERTENSION, PULMONARY, physiopathology/  
INFUSIONS, PARENTERAL/ INJECTIONS,  
INTRAVENOUS/ ISOPROTERENOL, administration  
& dosage/ \*ISOPROTERENOL, therapeutic use/  
MYOCARDIAL CONTRACTION/ OXYGEN, blood/  
PULMONARY ARTERY, radiography/ SODIUM  
SALICYLATE, therapeutic use/ VASCULAR  
RESISTANCE, drug effects/ \*VASODILATOR  
AGENTS/ VASODILATOR AGENTS, administration  
& dosage
872. Da Prada M, Pieri L, Keller HH, et al: Effects of  
5,6-dihydroxytryptamine and 5,7-dihydroxytryptamine on  
the rat central nervous system after intraventricular or  
intracerebral application and on blood platelets in vitro.  
*Ann NY Acad Sci* 305:595-620, 12 Jun 78  
P-CHLOROPHENYLALANINE, pharmacodynamics/  
ANIMAL/ BIOGENIC AMINES, metabolism/  
\*BLOOD PLATELETS, drug effects/ BLOOD  
PLATELETS, metabolism/ \*CENTRAL NERVOUS  
SYSTEM, drug effects/ CENTRAL NERVOUS  
SYSTEM, metabolism/  
\*DIHYDROXYTRYPTAMINES, pharmacodynamics/  
DRUG INTERACTIONS/ FEMALE/ IN VITRO/  
INJECTIONS, INTRAVENTRICULAR/ MALE/  
MEDIAN FOREBRAIN BUNDLE/ MONOAMINE  
OXIDASE INHIBITORS, pharmacodynamics/ RATS/  
ROTATION/ SEROTONIN, blood/ SEX  
BEHAVIOR, ANIMAL, drug effects/  
STEREOTYPED BEHAVIOR, drug effects/  
5,6-DIHYDROXYTRYPTAMINE, administration &  
dosage/ \*5,6-DIHYDROXYTRYPTAMINE,  
pharmacodynamics/  
5,7-DIHYDROXYTRYPTAMINE, administration &  
dosage/ \*5,7-DIHYDROXYTRYPTAMINE,  
pharmacodynamics
873. Darwish DH: The effect of sex steroids on the in vitro synthesis  
of DNA by malignant ovarian tumours.  
*Br J Obstet Gynaecol* 85(8):627-33, Aug 78  
AGED/ \*DNA, NEOPLASM, biosynthesis/  
\*ESTRADIOL, pharmacodynamics/ FEMALE/  
\*GESTONORONE CAPROATE, pharmacodynamics/  
HUMAN/ MIDDLE AGE/ \*OVARIAN  
NEOPLASMS, metabolism/ OVARIAN  
NEOPLASMS, pathology/ PROGESTERONE,  
pharmacodynamics/ TISSUE CULTURE
874. Das Gupta V, Gibbs CW Jr, Ghanekar AG: Stability of pediatric  
liquid dosage forms of ethacrynic acid, indomethacin,  
methylodopate hydrochloride, prednisone and spironolactone.  
*Am J Hosp Pharm* 35(11):1382-5, Nov 78  
CHILD/ DRUG COMPOUNDING/ DRUG  
STABILITY/ \*ETHACRYNIC ACID/  
\*INDOMETHACIN/ \*METHYLDOPA/  
\*PREDNISONE/ SOLUTIONS/  
\*SPIRONOLACTONE/ SUSPENSIONS/  
VEHICLES
875. Dashwood MR, Feldberg W: A pressor response to naloxone.  
Evidence for release of endogenous opioid peptides  
[proceedings] *J Physiol (Lond)* 281:30P-31P, Aug 78

## AUTHOR SECTION

- ANIMAL/ \*BLOOD PRESSURE, drug effects/  
CATS/ \*ENDORPHINS, secretion/ \*NALOXONE,  
pharmacodynamics/ NEURONS, AFFERENT,  
physiology
876. Dattagupta N, Hogan M, Crothers DM: Does irrediamine kink DNA? Proc Natl Acad Sci USA 75(9):4286-90, Sep 78  
BINDING SITES/ DIAMINES, pharmacodynamics/  
\*DNA/ KINETICS/ NUCLEIC ACID  
CONFORMATION, drug effects/ POLY DA-DT/  
\*PREGNENES, pharmacodynamics/ SPECTRUM  
ANALYSIS, methods/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
877. Daughaday WH, Cryer PE: Growth hormone hypersecretion and acromegaly. Hosp Pract 13(8):75-80, Aug 78  
ACROMEGALY, diagnosis/ \*ACROMEGALY,  
physiopathology/ ACROMEGALY, therapy/  
HUMAN/ HYPOTHALAMUS, physiopathology/  
PITUITARY GLAND, ANTERIOR, physiopathology/  
PITUITARY HORMONE RELEASING  
HORMONES, diagnostic use/ \*SOMATOTROPIN,  
secretion/ THYROTROPIN RELEASING  
HORMONE, diagnostic use
878. David GF, Kumar TC: Histochemical localization of cholinesterases in the neural tissue of the pineal in the rhesus monkey. Experientia 34(8):1067-8, 15 Aug 78  
ACETYLCHOLINESTERASE, metabolism/  
ANIMAL/ AXONS, enzymology/ AXONS,  
ultrastructure/ \*CHOLINESTERASES, metabolism/  
HISTOCYTOCHEMISTRY/ MONKEYS/ NERVE  
FIBERS, MYELINATED, enzymology/ NERVE  
FIBERS, MYELINATED, ultrastructure/  
NEUROGLIA, enzymology/ NEUROGLIA,  
ultrastructure/ NEURONS, enzymology/ NEURONS,  
ultrastructure/ \*PINEAL BODY, enzymology/  
PINEAL BODY, ultrastructure/ RHESUS MONKEYS
879. David JL: Adh sion et agr gation des plaquettes.  
Acta Clin Belg 32(6):363-74, 1977 (Eng. Abstr.) (Fre)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ BLOOD CELL COUNT/ BLOOD  
COAGULATION FACTORS, analysis/ BLOOD  
PLATELETS, metabolism/ CELL SURVIVAL/  
ENGLISH ABSTRACT/ HUMAN/ \*PLATELET  
ADHESIVENESS/ \*PLATELET AGGREGATION/  
PROSTAGLANDINS, metabolism/ \*THROMBOSIS,  
physiopathology/ VON WILLEBRAND FACTOR,  
analysis
880. Davidson DF, Hartley M, Kousourou G: Differentiation between liver and bone as the source of raised serum alkaline phosphatase—a rule of thumb. Med Lab Sci 35(3):259-63, Jul 78  
ADULT/ \*ALKALINE PHOSPHATASE, blood/  
\*BONE AND BONES, enzymology/ COMPARATIVE  
STUDY/ GLUTAMYL TRANSPEPTIDASE, blood/  
HUMAN/ \*ISOENZYMES, blood/ \*LIVER,  
enzymology
881. Davidson JM, Stefanick ML, Sachs BD, et al: Role of androgen in sexual reflexes of the male rat. Physiol Behav 21(2):141-6, Aug 78  
ANIMAL/ CASTRATION/ COPULATION,  
physiology/ DRUG IMPLANTS/ MALE/ RATS/  
REFLEX, drug effects/ \*REFLEX, physiology/ SEX  
BEHAVIOR, ANIMAL, drug effects/ \*SEX  
BEHAVIOR, ANIMAL, physiology/  
TESTOSTERONE, administration & dosage/  
\*TESTOSTERONE, physiology/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
882. Davies AG, Lawrence NR, Lynch SS: Binding of 125I-labelled FSH in the mouse testis in vitro. J Reprod Fertil 53(2):249-54, Jul 78  
ANIMAL/ \*FSH, metabolism/  
HYPOPHYSECTOMY/ IN VITRO/ MALE/ MICE/  
\*RECEPTORS, HORMONE, metabolism/ \*TESTIS,  
metabolism
883. Davies J: Etudes  lectrophysiologiques des opiac s et des peptides endog nes sur les neurones centraux.  
Ann Anesthesiol Fr 19(5):399-405, 1978 (Eng. Abstr.) (Fre)  
ANIMAL/ CATS/ \*ENDORPHINS,  
pharmacodynamics/ ENGLISH ABSTRACT/  
\*ENKEPHALINS, pharmacodynamics/ MEDULLA  
OBLONGATA, drug effects/ \*MORPHINE,  
pharmacodynamics/ \*NEURONS, drug effects/ RATS/  
RECEPTORS, CHOLINERGIC, drug effects/  
RECEPTORS, NARCOTIC, drug effects/  
NERVES, drug effects/ SUBSTANTIA  
GELATINOSA, drug effects
884. Davies M, Adams PH: The continuing risk of vitamin A intoxication. Lancet 2(8090):621-3, 16 Sep 78  
ADOLESCENCE/ ADULT/ AGED/ CA  
chemically induced/ CASE REPORT/ DIA  
DIFFERENTIAL/ ERGOALCIFEROL,  
administration & dosage/ \*ERGOALCIFI  
poisoning/ ERGOALCIFEROL, therapeu  
FEMALE/ HUMAN/ HYPERCALCEMIA,  
chemically induced/ HYPERCALCEMIA,  
HYPERPARATHYROIDISM, diagnosis/ M  
MIDDLE AGE/ RISK
885. Davis H, Green B, Herrmann T, et al: Blockage of pituitary-adrenal activity does not affect conditionally suppressed. Physiol Behav 20(4):423-5, Apr 78  
ANIMAL/ \*CONDITIONING, OPERAN  
physiology/ CORTICOSTERONE, blood/  
\*PITUITARY-ADRENAL SYSTEM, phy  
RATS/ \*STRESS, PSYCHOLOGICAL, p  
UNITED STATES GOV'T SUPPORTED
886. Davis HL Jr, von Hoff DD, Henney JE, et al: Role of antibiotics in current oncologic practice.  
Recent Results Cancer Res 63:21-9, 1978 (73 r  
ACUTE DISEASE/ ANTIBIOTICS,  
ANTINEOPLASTIC, adverse effects/  
\*ANTIBIOTICS, ANTINEOPLASTIC, th  
use/ BREAST NEOPLASMS, drug therap  
FEMALE/ HUMAN/ HYPERCALCEMI  
therapy/ ISLET CELL TUMOR, drug th  
LEUKEMIA, drug therapy/ LYMPHOMA  
therapy/ MALE/ OVARIAN NEOPLASM  
therapy/ PANCREATIC NEOPLASMS, dr  
PREGNANCY/ REVIEW/ SARCOMA, d  
therapy/ SOFT TISSUE NEOPLASMS, dr  
TESTICULAR NEOPLASMS, drug therap  
TROPHOBLASTIC TUMOR, drug therap  
UTERINE NEOPLASMS, drug therapy
887. Davis JO: The second Volhard Lecture: The use of agents to define the functions of the renin-angiotensin system. Clin Sci Mol Med 48 Suppl 2:3s-14s, Jun 78  
ALDOSTERONE, secretion/ ANGIOTEN  
antagonists & inhibitors/ \*ANGIOTENSIN  
physiology/ ANIMAL/ BLOOD PRESSU  
effects/ CALCIUM, physiology/ DOGS/  
HYPERTENSION, etiology/ HYPERTEN  
RENAL, etiology/ KIDNEY, physiology/  
NOREPINEPHRINE, pharmacodynamics/  
PROPRANOLOL, pharmacodynamics/ RA  
RATS/ RENIN, antagonists & inhibitors/  
physiology/ REVIEW/ SARALASIN,  
pharmacodynamics/ SODIUM, physiology
888. Davis SL, Ohlson DL, Klindt J, et al: Episodic prolactin and thyrotropin secretion in rams and the influence of testosterone and diethylstilbestrol. J Anim Sci 46(6):1724-9, Jun 78  
ANIMAL/ CASTRATION, veterinary/  
COMPARATIVE STUDY/  
\*DIETHYLSTILBESTROL, pharmacodyn  
MALE/ \*PROLACTIN, secretion/ SECR  
RATE/ \*SHEEP, physiology/ \*TESTOST  
pharmacodynamics/ \*THYROTROPIN, sec  
UNITED STATES GOV'T SUPPORTED
889. Davydova Sla, Vetchinin SS: Soderzhanie tsiklicheskikh nukleotidov, aktivnost' adenilatsiklaza, fosfodiesterazy 3',5'-AMF i guanilatsiklaza v plazmaticheskih i gepatomakh razlichnoi stepeni zlokachestvennosti. Vopr Med Khim 24(5):652-7, Sep-Oct 78 (Eng)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
analysis/ ADENYL CYCLASE/ ANIMAL/  
CARCINOMA, EHRLICH TUMOR, anal  
MEMBRANE, analysis/ ENGLISH ABST  
GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
analysis/ GUANYL CYCLASE/ \*HEPAT  
EXPERIMENTAL, analysis/ HEPATOMA  
EXPERIMENTAL, enzymology/ HEPAT  
EXPERIMENTAL, ultrastructure/ \*LIVE  
LIVER, enzymology/ LIVER, ultrastructu  
MICE, INBRED STRAINS/ \*NUCLEOTIDE  
CYCLIC, analysis/ RATS/ 3',5'-CYCLIC  
PHOSPHODIESTERASE
890. Dawson G, Kernes SM: Induction of sulfogalactosylated



## AUTHOR SECTION

- (sulfatide) synthesis by hydrocortisone (cortisol) in mouse G-26 oligodendrogloma cell strains. *J Neurochem* 31(4):1091-4, Oct 78  
CLONE CELLS/ ESTRADIOL, pharmacodynamics/  
\*HYDROCORTISONE, pharmacodynamics/  
\*OLIGODENDROGLIOMA, metabolism/  
\*SULFATIDES, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Dawson JL: An anthropological perspective on the evolution and lateralization of the brain. *Ann NY Acad Sci* 299:424-47, 30 Sep 77  
ADULT/ ANIMAL/ \*ANTHROPOLOGY, CULTURAL/ \*ANTHROPOLOGY, PHYSICAL/  
\*BRAIN, physiology/ COGNITION, physiology/  
CROSS-CULTURAL COMPARISON/  
\*DOMINANCE, CEREBRAL, physiology/  
ESTROGENS, blood/ \*EVOLUTION/ FEMALE/ HUMAN/ INFANT, NEWBORN/ LATERALITY, physiology/ MALE/ PERCEPTION, physiology/  
PHENOTYPE/ RATS/ SPEECH, physiology/  
TESTOSTERONE, blood
- Dax EM, Johnston CI: The distribution of neurophysins and posterior pituitary hormones in the porcine neurohypophyseal system. *J Neurochem* 31(4):853-60, Oct 78  
ANIMAL/ \*NEUROPHYSINS, metabolism/  
OXYTOCIN, analysis/ PARAVENTRICULAR NUCLEUS, analysis/ \*PITUITARY GLAND, POSTERIOR, metabolism/ \*PITUITARY HORMONES, POSTERIOR, metabolism/  
SUPRAOPTIC NUCLEUS, analysis/ SWINE/ TISSUE DISTRIBUTION/ VASOPRESSINS, analysis
- Day MH, Pitcher-Wilmott RM: Sexual differentiation in the innominate bone studied by multivariate analysis. *Ann Hum Biol* 2(2):143-51, Apr 75  
AGE FACTORS/ ANALYSIS OF VARIANCE/  
\*ANTHROPOMETRY, methods/ \*BONE AND BONES, anatomy & histology/ FEMALE/ HUMAN/ MALE/ NORMAL VALUES/ \*SEX DETERMINATION/ SEX FACTORS
- De S Rajaratne JL, Vidanapathirana NN, Rajakariar R: Pancytopenia in a paediatric unit. *Ceylon Med J* 22(3):132-6, Sep 77  
AGE FACTORS/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ FANCONI SYNDROME, blood/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ LEUKEMIA, blood/ MALE/ \*PANCYTOPENIA, etiology/ SRI LANKA/ TUBERCULOSIS, MILIARY, blood
- Dean DM, Downie JW: Interaction of prostaglandins and adenosine 5'-triphosphate in the noncholinergic neurotransmission in rabbit detrusor. *Prostaglandins* 16(2):245-51, Aug 78  
ADENOSINE TRIPHOSPHATE, administration & dosage/ \*ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ CARBACHOL, administration & dosage/ CARBACHOL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ FEMALE/ INDOMETHACIN, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ \*MUSCLE, SMOOTH, drug effects/  
\*NEURAL TRANSMISSION, drug effects/  
\*PROSTAGLANDINS, pharmacodynamics/ RABBITS
- De Bock RF, Peetermans ME: Erythroleukemie en sarcosine. *Acta Clin Belg* 33(1):23-9, 1978 (Eng. Abstr.) (Dut)  
CASE REPORT/ ENGLISH ABSTRACT/  
\*ERYTHROLEUKEMIA, chemically induced/  
FEMALE/ HUMAN/ \*MELPHALAN, adverse effects/ MELPHALAN, therapeutic use/ MIDDLE AGE/ MYXEDEMA, drug therapy/ SKIN DISEASES, drug therapy
- De Bold JF, Ruppert PH, Clemens LG: Inhibition of estrogen-induced sexual receptivity of female hamsters: comparative effects of progesterone, dihydrotestosterone and an estrogen antagonist. *Pharmacol Biochem Behav* 9(1):81-6, Jul 78  
ANIMAL/ CASTRATION/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ \*ESTRADIOL, pharmacodynamics/  
FEMALE/ HAMSTERS/ MESOCRICETUS/  
\*NITROMIFENE, pharmacodynamics/  
\*PROGESTERONE, pharmacodynamics/  
\*PYRROLIDINES, pharmacodynamics/ \*SEX BEHAVIOR, ANIMAL, drug effects/ \*STANOLONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
898. Decher RS, Poole AR, Dingle JT, et al: Influence of methylprednisolone of the sequential redistribution of cathepsin D and other lysosomal enzymes during myocardial ischemia in rabbits. *J Clin Invest* 62(4):797-804, Oct 78  
ACETYLGLUCOSAMINIDASE, metabolism/ ACID PHOSPHATASE, metabolism/ ANIMAL/  
\*CATHEPSINS, metabolism/ \*CORONARY DISEASE, enzymology/ CORONARY DISEASE, prevention & control/ \*DISEASE MODELS, ANIMAL/ LYOSOMES, drug effects/ LYOSOMES, enzymology/ MALE/ METHYLPREDNISOLONE, pharmacodynamics/ \*METHYLPREDNISOLONE, therapeutic use/ MYOCARDIUM, ultrastructure/  
RABBITS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
899. Deek JH, Lee MA: Mucin embolism to cerebral arteries: a fatal complication of carcinoma of the breast. *Can J Neurol Sci* 5(3):327-30, Aug 78  
BONE AND BONES, pathology/ BONE NEOPLASMS, complications/ BONE NEOPLASMS, pathology/ BRAIN NEOPLASMS, pathology/ BRAIN, pathology/ \*BREAST NEOPLASMS, complications/ BREAST NEOPLASMS, pathology/ \*CARCINOMA, MUCINOUS, complications/ CARCINOMA, MUCINOUS, pathology/ CASE REPORT/  
\*CEREBRAL EMBOLISM AND THROMBOSIS, pathology/ CEREBRAL HEMORRHAGE, pathology/ FEMALE/ HUMAN/ MIDDLE AGE/ \*MUCINS/ NEOPLASM METASTASIS
900. DeClue JW, Guyton AC, Cowley AW Jr, et al: Subpressor angiotensin infusion, renal sodium handling, and salt-induced hypertension in the dog. *Circ Res* 43(4):503-12, Oct 78  
ALDOSTERONE, blood/ \*ANGIOTENSIN II/ ANGIOTENSIN II, administration & dosage/  
ANIMAL/ \*BLOOD PRESSURE, drug effects/  
DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FUROSEMIDE, therapeutic use/  
\*HYPERTENSION, chemically induced/  
HYPERTENSION, drug therapy/ HYPERTENSION, physiopathology/ INFUSIONS, PARENTERAL/  
NATRIURESIS/ RENIN, blood/ \*SODIUM CHLORIDE/ SODIUM CHLORIDE, administration & dosage/ SODIUM CHLORIDE, pharmacodynamics/  
SPIRONOLACTONE, pharmacodynamics/ TIME FACTORS
901. Decocq J, Hennen G, Delahousse G, et al: Les sécrétions stéroïdiennes thyroïdiennes et hypophysaires dans la môle hydatiforme. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):744-6, Apr 78 (Fre)  
ADRENAL CORTEX HORMONES, metabolism/  
FEMALE/ \*GONADOTROPINS, CHORIONIC, metabolism/ HUMAN/ \*HYDATIDIFORM MOLE, metabolism/ \*THYROID HORMONES, metabolism/  
THYROTROPIN RELEASING HORMONE, metabolism/ THYROTROPIN, metabolism/  
\*UTERINE NEOPLASMS, metabolism
902. Dedman JR, Welsh MJ, Means AR: Ca<sup>2+</sup>-dependent regulator. Production and characterization of a monospecific antibody. *J Biol Chem* 253(20):7515-21, 25 Oct 78  
ANIMAL/ ANTIBODIES/ BRAIN, metabolism/  
\*CALCIUM-DEPENDENT REGULATOR/ CALCIUM-DEPENDENT REGULATOR, metabolism/  
\*CARRIER PROTEINS/ CARRIER PROTEINS, metabolism/ FLUORESCENT ANTIBODY TECHNIC/ GEL DIFFUSION TESTS/  
GOATS, immunology/ IMMUNE SERUMS/ MALE/ PHOSPHODIESTERASES, metabolism/ RATS/ TESTIS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
903. de Faire U, Theorell T: Cardiovascular reactions during psychiatric interview in twins discordant and concordant with respect to ischemic heart disease. *Prog Clin Biol Res* 24A:63-8, 1978  
AGED/ BALLISTOCARDIOGRAPHY/ BLOOD PRESSURE/ \*CARDIOVASCULAR SYSTEM, physiopathology/ \*CORONARY DISEASE, familial & genetic/ CORONARY DISEASE, physiopathology/  
\*DISEASES IN TWINS/ HEART RATE/ HUMAN/  
\*INTERVIEW, PSYCHOLOGICAL/ MALE/ MIDDLE AGE/ PULSE/ SOMATOTROPIN, blood/



## AUTHOR SECTION

- STRESS, PSYCHOLOGICAL, blood/ \*STRESS, PSYCHOLOGICAL, physiopathology/ STROKE VOLUME/ TWINS, DIZYGOTIC/ TWINS, MONOZYGOTIC
904. DeFeudis FV: Environmental theory of drug addiction. *Gen Pharmacol* 9(5):303-6, 1978 (71 ref.)  
 AMPHETAMINE/ ANIMAL/ BRAIN CHEMISTRY/ \*DRUG DEPENDENCE/ DRUG DEPENDENCE, physiopathology/ DRUG DEPENDENCE, psychology/ ENKEPHALINS, physiology/ LEARNING/ MALE/ MEMORY/ MICE/ MORPHINE ADDICTION, physiopathology/ RABBITS/ RATS/ REVIEW/ \*SOCIAL ENVIRONMENT/ \*SOCIAL ISOLATION
905. DeForrest JM, Davis JO, Freeman RH, et al: Separate renal function studies in conscious dogs with renovascular hypertension. *Am J Physiol* 235(4):F310-6, Oct 78  
 ANIMAL/ DOGS/ FEMALE/ HOMEOSTASIS/ \*HYPERTENSION, RENAL, physiopathology/ HYPERTENSION, RENOVASCULAR, blood/ \*HYPERTENSION, RENOVASCULAR, physiopathology/ KIDNEY FUNCTION TESTS/ KIDNEY, blood supply/ \*KIDNEY, physiopathology/ METHODS/ POTASSIUM, urine/ RENIN, blood/ SODIUM, metabolism/ WATER, metabolism/ WATER-ELECTROLYTE BALANCE
906. de Frutos Herranz M, Castañeda Casado J, Aguado Matorras A: Efectos cardiovasculares comparativos de anestésicos intravenosos de acción breve. Parte I. Efectos clínicos de propanidida y althesin. *Rev Esp Anestesiología* 25(1):74-88, Jan 78 (Eng. Abstr.) (Spa)  
 ALTHESIN, administration & dosage/ \*ALTHESIN, pharmacodynamics/ \*ANESTHESIA, INTRAVENOUS/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DRUG EVALUATION/ ENGLISH ABSTRACT/ \*HEMODYNAMICS, drug effects/ HUMAN/ INJECTIONS, INTRAVENOUS/ \*PREGNANEDIONES, pharmacodynamics/ PROPANIDID, administration & dosage/ \*PROPANIDID, pharmacodynamics/ TIME FACTORS
907. Deftos LJ, Burton D, Bone HG, et al: Immunoreactive calcitonin in the intermediate lobe of the pituitary gland. *Life Sci* 23(7):743-8, 21 Aug 78  
 ANIMAL/ \*CALCITONIN, analysis/ FLUORESCENT ANTIBODY TECHNIC/ MALE/ \*PITUITARY GLAND, analysis/ RATS/ THYROID GLAND, analysis/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
908. Degos F, Benhamou JP, Menard J, et al: Plasma renin substrate sensitivity to oestrogens and oestrogen metabolism in cirrhosis. *Eur J Clin Invest* 8(4):243-8, Aug 78  
 ADULT/ AGED/ \*ANGIOTENSINOGEN, blood/ \*ANGIOTENSINS, blood/ ESTRADIOL, analogs & derivatives/ ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ ESTROGENS, metabolism/ \*ESTROGENS, pharmacodynamics/ HUMAN/ KINETICS/ \*LIVER CIRRHOSIS, metabolism/ LIVER CIRRHOSIS, ALCOHOLIC, metabolism/ MALE/ MIDDLE AGE
909. Degrelle H: Bases biochimiques de l'exploration des hormones stéroïdes. *Ann Biol Clin (Paris)* 36(3):168-71, 1978 (Fre)  
 ADRENAL CORTEX FUNCTION TESTS/ \*ALDOSTERONE, blood/ ALDOSTERONE, secretion/ ANDROSTENEDIONE, blood/ CIRCADIAN RHYTHM/ ESTRADIOL, blood/ FEMALE/ HUMAN/ \*HYDROCORTISONE, blood/ HYDROCORTISONE, secretion/ MALE/ METABOLIC CLEARANCE RATE/ PROGESTERONE, blood/ SEX HORMONE BINDING GLOBULIN/ \*SEX HORMONES, blood/ SEX HORMONES, secretion/ TESTOSTERONE, blood/ TRANSCORTIN
910. de Groot AW, Wagenaar SS: Een primaire, maligne gemengde kiemceltumor van het ovarium. *Ned Tijdschr Geneesk* 122(43):1657-60, 28 Oct 78 (Eng. Abstr.) (Dut)  
 ADOLESCENCE/ ALPHA FETOPROTEINS, analysis/ CASE REPORT/ DYSGERMINOMA, pathology/ \*DYSGERMINOMA, surgery/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ NEOPLASMS, EMBRYONAL AND MIXED, pathology/ \*NEOPLASMS, EMBRYONAL AND MIXED, surgery/ OVARIAN NEOPLASMS, pathology, \*OVARIAN NEOPLASMS, surgery
911. De Groote J: Chronic hepatitis: a review of the problem. *Tijdschr Gastroenterol* 21(2):69-86, 1978 (32 ref.)  
 AZATHIOPRINE, therapeutic use/ CARRIER STATE/ CHRONIC DISEASE/ \*HEPATITIS, diagnosis/ HEPATITIS, etiology, HEPATITIS, pathology/ HEPATITIS, therapy/ HEPATITIS, VIRAL, HUMAN, transmission/ HUMAN/ LIVER FUNCTION TESTS/ PENICILLAMINE, therapeutic use/ PORTAL SYSTEM, pathology/ PREDNISONE, therapeutic use/ REVIEW
912. Deguchi E: Histological studies on the kinetics of the spermatogenesis in the mink (*Mustela vison*). VII. C association in the seminiferous epithelium in the pre-breeding season (16 months old). *Jpn J Vet Res* 26(1-2):1-10, 1978  
 ANIMAL/ MALE/ \*MINK, anatomy & histology/ MINK, physiology/ \*SEMINIFEROUS EPITHELIUM, cytology/ \*SPERMATOGENESIS, cytology/ \*TESTIS, cytology
913. De Haën C, Little SA, May JM, et al: Characterization of proinsulin-insulin intermediates in human plasma. *J Clin Invest* 62(4):727-37, Oct 78  
 HUMAN/ IMMUNOSORBENT TECHNIQUES/ \*INSULIN, blood/ INSULIN, immunology/ ISOELECTRIC POINT/ KIDNEY, innervation/ PITUITARY GLAND, POSTERIOR, physiopathology/ PLASMA, analysis/ \*PROINSULIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.
914. Dei Poli G, Scervola G: Lacuna interpretativa in immunodiagnostica riguardo affezioni tiroidee. *Minerva Medica* 33(17):1081-2, 15 Sep 78  
 HUMAN/ \*THYROID DISEASES, diagnosis/ \*THYROID NEOPLASMS, diagnosis/ \*ULTRASONICS, diagnostic use
915. Dekel N, Beers WH: Rat oocyte maturation in vitro: cyclic AMP inhibition by gonadotropins. *Proc Natl Acad Sci USA* 75(9):4369-73, Sep 78  
 \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, antagonists & inhibitors/ ANIMAL/ DIBUTYL CYCLIC AMP, antagonists & inhibitors/ DOSE-RESPONSE RELATIONSHIP, DRUG DRUG INTERACTIONS/ FEMALE/ \*FSH, pharmacodynamics/ \*LH, pharmacodynamics/ MEIOSIS, drug effects/ NUCLEAR MEMBRANE, drug effects/ \*OOCYTES, drug effects/ OOCYTE ULTRASTRUCTURE/ \*OOGENESIS, drug effects/ \*OOCYTE ULTRASTRUCTURE, drug effects/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
916. de Kretser DM: Fertility regulation in the male. *Bull Endocrinol* 56(3):353-60, 1978  
 \*CONTRACEPTIVE AGENTS, MALE, pharmacodynamics/ FSH, physiology/ HUMAN/ PHYSIOLOGY/ MALE/ PITUITARY GLAND, analysis/ SPERM MATURATION, drug effects/ SPERM TRANSPORT, drug effects/ SPERMATOGENESIS, drug effects/ TESTIS, effects
917. Delaney JP, Solomkin JS, Jacobson ME, et al: Surgical management of Cushing's syndrome. *Surgery* 84(4):400-4, Oct 78  
 ADENOMA, complications/ ADENOMA, surgery/ ADOLESCENCE/ ADRENAL CORTEX NEOPLASMS, complications/ ADRENAL CORTEX NEOPLASMS, surgery/ ADRENAL CORTEX NEOPLASMS, pathology/ \*ADRENALECTOMY, methods/ ADULT/ AGED/ CHILD/ CORTICOTROPIC HORMONE, diagnostic use/ CUSHING'S SYNDROME, diagnosis/ CUSHING'S SYNDROME, etiology/ \*CUSHING'S SYNDROME, surgery/ DEXAMETHASONE, diagnostic use/ FEMALE/ HUMAN/ HYPERPLASIA/ MALE/ METYRAPONE, diagnostic use/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ PREOPERATIVE COMPLICATIONS/ THROMBOEMBOLISM, etiology
918. de Lange WE, Snoep MC, Doorenbos H: The effect of LH infusion on serum LH, FSH and testosterone in boys with advanced puberty, delayed puberty and hypogonadism. *Acta Endocrinol (Copenh)* 89(2):209-14, 1978



## AUTHOR SECTION

- ADOLESCENCE/ ADULT/ \*FSH, blood/ FSH, secretion/ HUMAN/ \*HYPOGONADISM, blood/ INFUSIONS, PARENTERAL/ INJECTIONS, INTRAVENOUS/ \*LH, blood/ LH, secretion/ LH-FSH RELEASING HORMONE, administration & dosage/ \*LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ \*PUBERTY/ \*TESTOSTERONE, blood
9. Delaney RL, Dunn AJ: Mouse brain deoxyglucose uptake after footshock, ACTH analogs, alpha-MSH, corticosterone or lysine vasopressin. *Pharmacol Biochem Behav* 9(1):21-6, Jul 78  
ANIMAL/ ANTIPIRYNE, administration & dosage/ ANTIPIRYNE, metabolism/ \*BLOOD SUGAR, metabolism/ \*BRAIN, metabolism/ \*CORTICOSTERONE, pharmacodynamics/ \*CORTICOTROPIN, analogs & derivatives/ CORTICOTROPIN, pharmacodynamics/ DEOXYGLUCOSE, administration & dosage/ DEOXYGLUCOSE, blood/ \*ELECTROSHOCK/ \*LYPRESSIN, pharmacodynamics/ MALE/ MICE/ \*MSH, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
10. DeLellis RA, Wolfe HJ, Rule AH: Carcinoembryonic antigen as a tissue marker in medullary thyroid carcinoma [letter] *N Engl J Med* 299(19):1082, 9 Nov 78  
\*CARCINOEMBRYONIC ANTIGEN, analysis/ \*CARCINOMA, analysis/ CARCINOMA, diagnosis/ HUMAN/ NEOPLASM METASTASIS/ \*THYROID NEOPLASMS, analysis/ THYROID NEOPLASMS, diagnosis
11. DeLellis RA, Rule AH, Spiller I, et al: Calcitonin and carcinoembryonic antigen as tumor markers in medullary thyroid carcinoma. *Am J Clin Pathol* 70(4):587-94, Oct 78  
ADOLESCENCE/ ADULT/ AGED/ \*CALCITONIN, blood/ \*CARCINOEMBRYONIC ANTIGEN/ \*CARCINOMA, diagnosis/ FEMALE/ FLUORESCENT ANTIBODY TECHNIQUE/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ RADIOIMMUNOASSAY/ \*THYROID NEOPLASMS, diagnosis
12. Delitala G, Meloni T, Masala A, et al: Thyrotropin, prolactin and growth hormone response to synthetic thyrotropin-releasing hormone in newborn infants. *Biol Neonate* 33(5-6):236-9, 1978  
HUMAN/ \*INFANT, NEWBORN/ INJECTIONS, INTRAVENOUS/ MALE/ \*PROLACTIN, blood/ \*SOMATOTROPIN, blood/ THYROTROPIN RELEASING HORMONE, administration & dosage/ \*THYROTROPIN RELEASING HORMONE, diagnostic use/ \*THYROTROPIN, blood
13. Delitala G, Masala A, Alagna S, et al: Hypothalamus-pituitary function in amenorrhea-galactorrhea syndrome. *Panminerva Med* 20(2):89-96, Apr-Jun 78  
ADULT/ \*AMENORRHEA, physiopathology/ CORTICOTROPIN, blood/ FEMALE/ FSH, blood/ \*GALACTORRHEA, physiopathology/ HUMAN/ \*HYPOTHALAMO-HYPOPHYSAL SYSTEM, physiopathology/ \*LACTATION DISORDERS, physiopathology/ LEVODOPA, diagnostic use/ LH, blood/ LH-FSH RELEASING HORMONE, diagnostic use/ SOMATOTROPIN, blood/ STIMULATION, CHEMICAL/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood/ 2-BROMOERGOCRYPTINE, diagnostic use
14. De Lourdes Collado M, Gil Recasens ME, Castro Osuna G, et al: Nuevos conceptos relacionados con la implantación. I. Período de preimplantación. *Ginecol Obstet Mex* 44(261):63-84, Jul 78 (Eng. Abstr.) (Spa)  
ENDOMETRIUM, analysis/ ENDOMETRIUM, enzymology/ ENDOMETRIUM, physiology/ ENGLISH ABSTRACT/ FEMALE/ \*NIDATION/ \*OVULATION/ PREGNANCY/ PROTEINS, analysis/ TIME FACTORS
15. Delsen J: Kasuistischer Beitrag zum akuten Skrotum. *Helv Chir Acta* 45(3):373-4, Jul 78 (Eng. Abstr.) (Ger)  
CASE REPORT/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/ MALE/ SCROTUM, surgery/ \*SPERMATIC CORD TORSION, diagnosis/ \*TESTIS, injuries
16. Delso Jimeno JL: Contribución al estudio de la influencia de la vasopresina sobre el contenido en noradrenalina de varias áreas cerebrales en la rata. *Arch Farmacol Toxicol* 4(1):80-1, Apr 78 (Spa)  
ANIMAL/ \*BRAIN CHEMISTRY, drug effects/ \*NOREPINEPHRINE, analysis/ RATS/ STIMULATION, CHEMICAL/ \*VASOPRESSINS, pharmacodynamics
927. De Luca F: Comportamento della clearance osmolale durante carico di mannitolo nelle sindromi poliuriche dell'infanzia. *Minerva Pediatr* 30(20):1561-5, 30 Oct 78 (Ita)  
CHILD/ CHILD, PRESCHOOL/ DIABETES INSIPIDUS, diagnosis/ HUMAN/ INFANT/ \*KIDNEY CONCENTRATING ABILITY/ KIDNEY CONCENTRATING ABILITY, drug effects/ \*KIDNEY DISEASES, diagnosis/ KIDNEY FUNCTION TESTS/ \*MANNITOL, diagnostic use/ POLYURIA, etiology/ \*POLYURIA, physiopathology
928. DeLuca HF: Recent advances in our understanding of the metabolism of vitamin D and its regulation. *Clin Endocrinol (Oxf)* 5 Suppl:97S-108S, 1976  
ANIMAL/ BIOLOGICAL TRANSPORT/ BONE AND BONES, metabolism/ CALCIUM, metabolism/ CHICKENS/ \*CHOLECALCIFEROLS, metabolism/ CHOLECALCIFEROLS, physiology/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ DIHYDROXYCHOLECALCIFEROLS, physiology/ HYDROXYCHOLECALCIFEROLS, metabolism/ HYDROXYLATION/ INTESTINES, metabolism/ KIDNEY, enzymology/ KIDNEY, ultrastructure/ MITOCHONDRIA, enzymology/ MOLECULAR CONFORMATION/ RATS/ RICKETS, enzymology/ SPECIES SPECIFICITY/ STEREOISOMERS/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 25-HYDROXYCHOLECALCIFEROL-1-HYDROX metabolism
929. DeLuca HF: Vitamin D and calcium transport. *Ann NY Acad Sci* 307:356-76, 28 Apr 78 (88 ref.)  
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ \*CALCIUM, metabolism/ CARRIER PROTEINS, metabolism/ CELL NUCLEUS, metabolism/ CHICKENS/ CYTOSOL, metabolism/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ HYDROXYCHOLECALCIFEROLS, metabolism/ INTESTINAL MUCOSA, metabolism/ \*INTESTINES, metabolism/ MICROVILLI, metabolism/ MODELS, BIOLOGICAL/ RATS/ REVIEW/ SODIUM, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VITAMIN D, metabolism/ \*VITAMIN D, pharmacodynamics
930. De Mello FG: The ontogeny of dopamine-dependent increase of adenosine 3',5'-cyclic monophosphate in the chick retina. *J Neurochem* 31(4):1049-53, Oct 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL/ CHICK EMBRYO/ DOPAMINE, pharmacodynamics/ \*DOPAMINE, physiology/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ONTOGENY/ \*RETINA, embryology/ RETINA, metabolism
931. de Mey JG, Vanhoutte PM: Oxygen-dependency of the acetylcholine induced relaxation in vascular smooth muscle. *Arch Int Pharmacodyn Ther* 234(2):339, Aug 78  
\*ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ \*BLOOD VESSELS, drug effects/ CALCIUM, metabolism/ DOGS/ IN VITRO/ \*MUSCLE CONTRACTION, drug effects/ \*MUSCLE RELAXATION, drug effects/ MUSCLE, SMOOTH, drug effects/ \*OXYGEN, physiology
932. Demidenko DI: Dynamika ekskretsi melatoninu u zhink pod chas normal'nykh rodov i uskladnennykh slabistiu rodovoi diial'nosti. *Pediatr Akush Ginekol* (4):40-1, Jul-Aug 78 (Ukr)  
FEMALE/ HUMAN/ \*MELATONIN, urine/ PREGNANCY/ \*UTERINE INERTIA, urine
933. Dempster WJ: Renal-adrenal inter-relationships. *Jpn Heart J* 19(3):426-33, May 78  
\*ADRENAL GLANDS, blood supply/ ADRENAL GLANDS, embryology/ ANIMAL/ DIURNAL RHYTHM/ DOGS/ HUMAN/ \*KIDNEY, blood supply/ KIDNEY, embryology/ PITUITARY

## AUTHOR SECTION

- GLAND, physiology/ REGIONAL BLOOD FLOW/  
VEINS, anatomy & histology
934. Denavit-Saubié M, Champagnat J, Zieglängsberger W: Effects of opiates and methionine-enkephalin on pontine and bulbar respiratory neurones of the cat. *Brain Res* 155(1):55-67, 20 Oct 78  
ACTION POTENTIALS, drug effects/ ANIMAL/  
CATS/ CEREBELLUM, drug effects/  
\*DEXTRORPHAN, pharmacodynamics/  
\*ENDORPHINS, pharmacodynamics/  
\*ENKEPHALINS, pharmacodynamics/  
GLUTAMATES, pharmacodynamics/  
\*LEVORPHANOL, pharmacodynamics/  
\*MORPHINANS, pharmacodynamics/ \*MORPHINE,  
pharmacodynamics/ NALOXONE, pharmacodynamics/  
NEURONS, drug effects/ PHRENIC NERVE, drug  
effects/ \*PONS, drug effects/ RECEPTORS,  
NARCOTIC, drug effects/ \*RESPIRATION, drug  
effects/ \*RESPIRATORY CENTER, drug effects
  935. Deneff C, Follebouck JJ: Differential effects of dopamine antagonists on prolactin secretion from cultured rat pituitary cells. *Life Sci* 23(5):431-5, 7 Aug 78  
ANIMAL/ APOMORPHINE, antagonists & inhibitors/  
CELLS, CULTURED/ \*DOPAMINE, antagonists &  
inhibitors/ FEMALE/ PITUITARY GLAND, drug  
effects/ \*PITUITARY GLAND, secretion/  
\*PROLACTIN, secretion/ RATS/ TRANQUILIZING  
AGENTS, MAJOR, pharmacodynamics
  936. De Nicola AF, von Lawzewitsch I, Kaplan SE, et al: Biochemical and ultrastructural studies on estrogen-induced pituitary tumors in F344 rats. *J Natl Cancer Inst* 61(3):753-63, Sep 78  
ANIMAL/ \*DIETHYLSTILBESTROL/ DNA,  
NEOPLASM, biosynthesis/ ENDOPLASMIC  
RETICULUM, ultrastructure/ MALE/  
MICROSCOPY, ELECTRON/ NEOPLASMS,  
EXPERIMENTAL, metabolism/ PITUITARY  
NEOPLASMS, chemically induced/ \*PITUITARY  
NEOPLASMS, metabolism/ PITUITARY  
NEOPLASMS, ultrastructure/ PROLACTIN,  
biosynthesis/ RATS/ RATS, INBRED F344/ RNA,  
NEOPLASM, biosynthesis
  937. Denisenko PP, Konstantinova MS, Naimova TG: Vliianie ostrogo i khronicheskogo otravleniia alkogolem na soderzhanie noradrenalina v gipotalamuse krysa. *Farmakol Toksikol* 41(5):618-20, Sep-Oct 78 (Eng. Abstr.) (Rus)  
\*ALCOHOLIC INTOXICATION, metabolism/  
\*ALCOHOLISM, metabolism/ ANIMAL/ ENGLISH  
ABSTRACT/ FEMALE/ HYPOTHALAMUS, drug  
effects/ \*HYPOTHALAMUS, metabolism/ MALE/  
NEUROSECRETORY SYSTEMS, drug effects/  
NEUROSECRETORY SYSTEMS, metabolism/  
\*NOREPINEPHRINE, metabolism/ RATS/  
SUPRAOPTIC NUCLEUS, drug effects/  
SUPRAOPTIC NUCLEUS, metabolism/ TIME  
FACTORS
  938. Dennis RJ, Hemken RW: Potassium requirement of dairy cows in early and midlactation. *J Dairy Sci* 61(6):757-61, Jun 78  
ANIMAL FEED/ ANIMAL/ CATTLE/ DIET/  
FEMALE/ \*LACTATION/ MAGNESIUM,  
metabolism/ MILK, metabolism/ NUTRITIONAL  
REQUIREMENTS/ \*POTASSIUM/ POTASSIUM,  
administration & dosage/ POTASSIUM, metabolism/  
PREGNANCY/ SODIUM, metabolism/ TIME  
FACTORS
  939. de Olmos J, Hardy H, Heimer L: The afferent connections of the main and the accessory olfactory bulb formations in the rat: an experimental HRP-study. *J Comp Neurol* 181(2):213-44, 15 Sep 78  
AMYGDALOID BODY, anatomy & histology/  
ANIMAL/ BRAIN MAPPING/ BRAIN STEM,  
anatomy & histology/ FRONTAL LOBE, anatomy &  
histology/ HIPPOCAMPUS, anatomy & histology/  
HYPOTHALAMUS, anatomy & histology/ LIMBIC  
SYSTEM, anatomy & histology/ NEURAL  
PATHWAYS, anatomy & histology/ NEURONS,  
AFFERENT/ NOMENCLATURE/ \*OLFACTORY  
BULB, anatomy & histology/ RATS/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
  940. dePinna GA: A case of osteogenesis imperfecta, malignant hyperthermia susceptible--anesthetic management. pp. 409-18.  
In: Aldrete JA, Britt BA, ed. *Malignant hyperthermia*. New York, Grune & Stratton, 1978. W3 IN919GK 1  
\*ANESTHESIA/ CASE REPORT/ CHILD,  
PRESCHOOL/ DANTROLENE, therapeutic use/  
HUMAN/ MALE/ MALIGNANT  
HYPERTHERMIA, etiology/ \*MALIGNANT  
HYPERTHERMIA, prevention & control/  
MONOGRAPH/ \*OSTEOGENESIS IMPERFECTA/  
complications/ PREOPERATIVE CARE
  941. Derech-Mrozowska J, Malinowska-Maciejewska M, Eisner et al: Przypadek skojarzenia cukrzycy z chorobą Addisona. *Wiad Lek* 31(17):1215-7, 1 Sep 78 (Eng. Abstr.)  
\*ADDISON'S DISEASE, complications/ ADULT/  
CASE REPORT/ \*DIABETES MELLITUS,  
complications/ ENGLISH ABSTRACT/ FEMALE/  
HUMAN
  942. Derenne JP, Macklem PT, Roussos C: The respiratory mechanics, control, and pathophysiology. Part III. *Am Rev Respir Dis* 118(3):581-601, Sep 78 (443 ref.)  
ANIMAL/ COLLAGEN DISEASES,  
physiopathology/ DIAPHRAGM, innervation/  
\*DIAPHRAGM, physiology/ DIAPHRAGM,  
physiopathology/ DIAPHRAGMATIC  
EVENTRATION, physiopathology/ DRUG  
THERAPY, adverse effects/  
ELECTROMYOGRAPHY/ FATIGUE/  
FLUOROSCOPY/ HUMAN/ INTERCOSTAL  
MUSCLES, innervation/ \*INTERCOSTAL  
MUSCLES, physiology/ INTERCOSTAL MUSCLE,  
physiopathology/ LUNG DISEASES,  
OBSTRUCTIVE, physiopathology/ LUNG VOLUME  
MEASUREMENTS/ MUSCULAR DISEASES,  
chemically induced/ \*MUSCULAR DISEASES,  
physiopathology/ MYASTHENIA GRAVIS,  
physiopathology/ NEUROMUSCULAR DISEASES,  
physiopathology/ RESPIRATION DISORDERS,  
chemically induced/ \*RESPIRATION DISORDERS,  
physiopathology/ \*RESPIRATION/ RESPIRATORY  
FUNCTION TESTS/ RESPIRATORY PARALYSIS,  
physiopathology/ REVIEW/ THYROID DISEASES,  
physiopathology
  943. Deriagin GV, Petrova GV, Dobryn VV: Kolichestvennyy i dinamiki mitoticheskii spiralizatsii khromosom cheloveka s individual'nost' kariotipa. *Tsitologiya* 20(7):453-8, Jul (Eng. Abstr.)  
\*CHROMOSOMES, HUMAN, ultrastructure/  
COMPARATIVE STUDY/ ENGLISH ABSTRACT/  
FEMALE/ HUMAN/ LYMPHOCYTES,  
ultrastructure/ MALE/ \*MITOSIS/  
POLYMORPHISM (GENETICS)/ SEX  
CHROMOSOME ABNORMALITIES
  944. de Ridder JJ, Koppens PC: Discrimination between endogenous and exogenous testosterone in human plasma after treatment with testosterone undecanoate using stable-isotope-labelled compounds and mass spectrometry analyses. pp. 157-65.  
In: Baillie TA, ed. *Stable isotopes*. Baltimore, Univ. Press, 1978. QV 20.5 I61s 1978.  
ADULT/ CHROMATOGRAPHY, GAS, method/  
DEUTERIUM/ HUMAN/ HYPOGONADISM,  
metabolism/ ISOTOPE LABELING, methods/  
MALE/ MONOGRAPH/ SPECTRUM ANALYSIS/  
MASS, methods/ \*TESTOSTERONE, analogs &  
derivatives/ \*TESTOSTERONE, metabolism/  
TRITIUM
  945. Derkx FH, Verhoeven RP, Wenting GJ, et al: Renal secretion of inactive renin. *Contrib Nephrol* 11:160-3, 1978  
HUMAN/ \*HYPERTENSION, enzymology/  
\*HYPERTENSION, RENAL, enzymology/  
\*HYPERTENSION, RENOVASCULAR,  
enzymology/ HYPERTENSION, RENOVASCULAR,  
physiopathology/ \*KIDNEY, secretion/ RENAL  
VEINS/ \*RENIN, blood/ RENIN, secretion/ VASCULAR
  946. DeRubertis FR, Craven PA, Pratt DW: Electron spin resonance study of the role of nitrosyl-heme in the activation of guanylate cyclase by nitrosoguanidine and related agents. *Biochem Biophys Res Commun* 83(1):158-67, 14 Jul 78  
ANIMAL/ ELECTRON SPIN RESONANCE/  
ENZYME ACTIVATION, drug effects/ \*GUANYLATE  
CYCLASE, metabolism/ \*HEME/ LIVER, drug  
effects/ \*LIVER, enzymology/  
METHYLNITRONITROSOGUANIDINE,  
pharmacodynamics/ \*NITROSO COMPOUNDS,  
pharmacodynamics, pharmacodynamics/  
PROTEIN BINDING/ RATS/ UNITED STATES



# AUTHOR SECTION

GOV'T SUPPORTED, P.H.S.

47. de Ryck M, Teitelbaum P: Neocortical and hippocampal EEG in normal and lateral hypothalamic-damaged rats. *Physiol Behav* 20(4):403-9, Apr 78  
ANIMAL/ \*BEHAVIOR, ANIMAL, physiology/  
BODY TEMPERATURE/ BRAIN MAPPING/  
\*CEREBRAL CORTEX, physiology/  
COMPARATIVE STUDY/  
ELECTROENCEPHALOGRAPHY/ GROOMING/  
\*HIPPOCAMPUS, physiology/ \*HYPOTHALAMUS,  
physiology/ IMMOBILIZATION/ MALE/ THETA  
RHYTHM/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
48. De Santis E, Rosa MA, Di Giovanni C: Modificazioni  
ultrastrutturali della cartilagine articolare di coniglio da  
prolungato trattamento con glicocorticoidi. *Reumatismo*  
29(2-3):129-43, Apr-Sep 77 (Eng. Abstr.) (Ita)  
ANIMAL/ \*CARTILAGE DISEASES, chemically  
induced/ \*CARTILAGE, ARTICULAR, drug effects/  
CARTILAGE, ARTICULAR, ultrastructure/  
ENGLISH ABSTRACT/ \*JOINT DISEASES,  
chemically induced/ KNEE JOINT/  
\*METHYLPREDNISOLONE, toxicity/  
MICROSCOPY, ELECTRON/ RABBITS/ TIME  
FACTORS
49. Desmedt JE, Hainaut K: Excitation-contraction coupling in  
single muscle fibers and the calcium channel in sarcoplasmic  
reticulum. *Ann NY Acad Sci* 307:433-5, 28 Apr 78  
A-23187, pharmacodynamics/ ANIMAL/  
BARNACLES/ \*CALCIUM, metabolism/  
DANTROLENE, pharmacodynamics/ ELECTRIC  
STIMULATION/ IN VITRO/ \*ION CHANNELS/  
MEMBRANE POTENTIALS, drug effects/  
\*MUSCLE CONTRACTION/ \*MUSCLES,  
physiology/ \*SARCOPLASMIC RETICULUM,  
physiology
50. DeSombre ER, LITTLE CR: Isolation and purification of rat  
mammary tumor peroxidase. *Cancer Res* 38(11 Pt 2):4086-90,  
Nov 78  
ANIMAL/ CALCIUM CHLORIDE/  
CHROMATOGRAPHY, AFFINITY/ FEMALE/  
MAMMARY NEOPLASMS, EXPERIMENTAL,  
chemically induced/ \*MAMMARY NEOPLASMS,  
EXPERIMENTAL, enzymology/ MAMMARY  
NEOPLASMS, EXPERIMENTAL, metabolism/  
NEOPLASMS, HORMONE-DEPENDENT,  
chemically induced/ \*NEOPLASMS,  
HORMONE-DEPENDENT, enzymology/  
NEOPLASMS, HORMONE-DEPENDENT,  
metabolism/ \*PEROXIDASES, isolation & purification/  
RATS/ RECEPTORS, ESTROGEN/ SOLUBILITY/  
UNITED STATES GOV'T SUPPORTED, P.H.S./  
9,10-DIMETHYL-1,2-BENZANTHRACENE
1. Désy L, Pelletier G: Immunohistochemical localization of  
alpha-melanocyte stimulating hormone (alpha-MSH) in the  
human hypothalamus. *Brain Res* 154(2):377-81, 13 Oct 78  
AGED/ FEMALE/ HUMAN/ \*HYPOTHALAMUS,  
analysis/ HYPOTHALAMUS, ultrastructure/ MALE/  
MAMMILLARY BODIES, analysis/ MIDDLE AGE/  
\*MSH, analysis/ NERVE FIBERS, analysis/  
NEURONS, analysis/ NEURONS, ultrastructure/  
PARAVENTRICULAR NUCLEUS, analysis
2. Deubelbeiss KA, Roth P: Verminderte Mobilisierbarkeit der  
Knochenmark-Neutrophilen, eine weitere Störung bei  
perniziöser Anämie. *Schweiz Med Wochenschr* 108(41):1588,  
14 Oct 78 (Ger)  
\*ANEMIA, PERNICIOUS, blood/ \*BONE  
MARROW, cytology/ HUMAN/  
HYDROCORTISONE, pharmacodynamics/  
\*NEUTROPHILS
3. Devenport LD: Schedule-induced polydipsia in rats:  
adrenocortical and hippocampal modulation.  
*J Comp Physiol Psychol* 92(4):651-60, Aug 78  
\*ADRENAL CORTEX, physiology/  
ADRENALECTOMY/ ANIMAL/ BRAIN  
MAPPING/ \*DRINKING BEHAVIOR, physiology/  
\*HIPPOCAMPUS, physiology/ MALE/ ORGAN  
WEIGHT/ RATS
4. Devi S, Challenor Y, Duarte N, et al: Prognostic value of  
minimal excitability of facial nerve in Bell's palsy.  
*J Neurol Neurosurg Psychiatry* 41(7):649-52, Jul 78  
ADOLESCENCE/ ADULT/ AGED/ CHILD/  
CHILD, PRESCHOOL/ ELECTRIC  
STIMULATION/ EVOKED POTENTIALS/  
FACIAL MUSCLES, innervation/ \*FACIAL NERVE,  
physiopathology/ FACIAL PARALYSIS, drug  
therapy/ \*FACIAL PARALYSIS, physiopathology/  
HUMAN/ INFANT/ LATERALITY/ MIDDLE  
AGE/ MUSCLE CONTRACTION/ NEURAL  
CONDUCTION/ PREDNISONE, administration &  
dosage/ PREDNISONE, therapeutic use/ PROGNOSIS
955. DeVita VT Jr, Lewis BJ, Rozenzweig M, et al: The  
chemotherapy of Hodgkin's disease: past experiences and  
future directions. *Cancer* 42(2 Suppl):979-90, Aug 78 (59 ref.)  
\*ANTINEOPLASTIC AGENTS, therapeutic use/  
CLINICAL RESEARCH/ COMPARATIVE  
STUDY/ DRUG THERAPY, COMBINATION/  
HISTORICAL ARTICLE/ HISTORY OF  
MEDICINE, 19TH CENT./ HISTORY OF  
MEDICINE, 20TH CENT./ \*HODGKIN'S DISEASE,  
drug therapy/ HODGKIN'S DISEASE, history/  
HODGKIN'S DISEASE, therapy/ HUMAN/  
MECHLORETHAMINE, therapeutic use/  
PREDNISONE, therapeutic use/ PROCARBAZINE,  
therapeutic use/ REMISSION/ REVIEW/ TIME  
FACTORS/ UNITED STATES/ VINCRISTINE,  
therapeutic use
956. De Vlaming V, Vodienik MJ: Seasonal effects of pinealectomy  
on gonadal activity in the goldfish, *Carassius auratus*.  
*Biol Reprod* 19(1):57-63, Aug 78  
ANIMAL/ \*CYPRINIDAE, physiology/ FEMALE/  
\*GOLDFISH, physiology/ \*LIGHT/ MALE/  
OOGENESIS/ \*OVARY, physiology/  
PERIODICITY/ \*PINEAL BODY, physiology/  
REPRODUCTION/ \*SEASONS/  
SPERMATOGENESIS/ \*TESTIS, physiology
957. de Voogt HJ, Dingjan P: Steroid receptors in human prostatic  
cancer: a preliminary evaluation. *Urol Res* 6(3):151-8, 1 Sep  
78  
AGED/ ESTROGENS, therapeutic use/ HUMAN/  
MALE/ MIDDLE AGE/ PROSTATIC  
HYPERTROPHY, blood/ PROSTATIC  
HYPERTROPHY, drug therapy/ \*PROSTATIC  
NEOPLASMS, analysis/ PROSTATIC NEOPLASMS,  
blood/ PROSTATIC NEOPLASMS, drug therapy/  
RECEPTORS, ANDROGEN, analysis/ RECEPTORS,  
ESTROGEN, analysis/ \*RECEPTORS, STEROID,  
analysis/ TESTOSTERONE, blood
958. de Wardener HE: The control of sodium excretion.  
*Am J Physiol* 235(3):F163-73, Sep 78 (136 ref.)  
ANIMAL/ CATS/ CHLORIDES, physiology/  
DOGS/ FEEDBACK/ GLOMERULAR  
FILTRATION RATE/ HUMAN/ KIDNEY  
TUBULES, DISTAL, physiology/ KIDNEY  
TUBULES, PROXIMAL, physiology/ \*KIDNEY,  
physiology/ LOOP OF HENLE, physiology/  
NEPHRONS, physiology/ PERFUSION/ RATS/  
REVIEW/ \*SODIUM, physiology/ VASOPRESSINS,  
physiology
959. de Wied D: Behavioral effects of neuropeptides related to  
ACTH, MSH, and betaLPH. *Ann NY Acad Sci* 297:263-74,  
28 Oct 77  
ANIMAL/ BEHAVIOR, physiology/ \*BEHAVIOR,  
ANIMAL, drug effects/ BRAIN, metabolism/  
CORTICOTROPIN, analogs & derivatives/  
CORTICOTROPIN, metabolism/ CORTICOTROPIN,  
pharmacodynamics/ LIPOTROPIN,  
pharmacodynamics/ MSH, pharmacodynamics/  
\*PEPTIDES, pharmacodynamics/  
STRUCTURE-ACTIVITY RELATIONSHIP
960. de Wilde J: Seasonal states and endocrine levels in insects.  
pp. 10-7.  
In: Assenmacher I, Farner DS, ed. *Environmental  
endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
\*ACCLIMATIZATION/ ANIMAL/ BEETLES,  
physiology/ \*HORMONES, physiology/ \*INSECTS,  
physiology/ JUVENILE HORMONES, physiology/  
MONOGRAPH/ REPRODUCTION/ SEASONS
961. Dezsó S: Az iatrogen aseptikus csont-necrosis. *Orv Hetil*  
119(42):2553-6, 15 Oct 78 (Hun)  
ADRENAL CORTEX HORMONES, administration &  
dosage/ \*ADRENAL CORTEX HORMONES, adverse  
effects/ ASTHMA, drug therapy/ CHRONIC  
DISEASE/ DOSE-RESPONSE RELATIONSHIP,  
DRUG/ FEMUR HEAD NECROSIS, chemically  
induced/ HUMAN/ HUMERUS, drug effects/  
\*OSTEONECROSIS, chemically induced

# AUTHOR SECTION

962. Diamond JM: Channels in epithelial cell membranes and junctions. *Fed Proc* 37(12):2639-43, Oct 78  
ALDOSTERONE, pharmacodynamics/ ANIMAL/  
CATIONS, MONOVALENT, metabolism/ CELL  
MEMBRANE, physiology/ ELECTRIC  
CONDUCTIVITY/ \*EPITHELIUM, physiology/  
EPITHELIUM, ultrastructure/ FROGS/  
HYDROGEN-ION CONCENTRATION/  
\*INTERCELLULAR JUNCTIONS, metabolism/ ION  
CHANNELS, drug effects/ \*ION CHANNELS,  
metabolism/ RABBITS/ SODIUM, metabolism/  
UNITED STATES GOV'T SUPPORTED, P.H.S./  
VASOPRESSINS, pharmacodynamics
963. Diani F, Tanganelli E, Ciangherotti S: Analisi  
gas-cromatografica degli acidi grassi nel liquido vescicolare  
in un caso di mola. *Boll Soc Ital Biol Sper* 54(3):279-81,  
15 Feb 78 (Ita)  
ADULT/ CASE REPORT/ CHROMATOGRAPHY,  
GAS/ \*FATTY ACIDS, analysis/ FEMALE/  
HUMAN/ \*HYDATIDIFORM MOLE, analysis/  
PREGNANCY/ \*UTERINE NEOPLASMS, analysis
964. Dias JA, Reeves JJ: Disappearance of LHRH and D-Leu-des  
Gly NH2 LHRH ethylamide in ewes. *J Anim Sci*  
46(6):1707-11, Jun 78  
ANIMAL/ BIOLOGICAL ASSAY/  
COMPARATIVE STUDY/ FEMALE/  
\*HORMONES, SYNTHETIC, blood/ INJECTIONS,  
INTRAVENOUS/ LH, blood/ \*LH-FSH  
RELEASING HORMONE, analogs & derivatives/  
LH-FSH RELEASING HORMONE, administration &  
dosage/ \*LH-FSH RELEASING HORMONE, blood/  
RATS, blood/ \*SHEEP, blood
965. Díaz-Chico BN, Díaz-Díaz ME: Efecto de extractos  
hipotalámicos y de la hormona liberadora de la luteinizante  
(LH-RH) sobre la síntesis de RNA por la hipófisis de rata  
in vitro. *Rev Esp Fisiol* 34(2):127-30, Jun 78 (Eng. Abstr.)  
(Spa)  
AGE FACTORS/ ANIMAL/ CARBON  
RADIOISOTOPES/ COMPARATIVE STUDY/  
ENGLISH ABSTRACT/ FEMALE/  
HYPOTHALAMIC HORMONES, pharmacodynamics/  
LH-FSH RELEASING HORMONE, metabolism/  
\*LH-FSH RELEASING HORMONE,  
pharmacodynamics/ PITUITARY GLAND, drug  
effects/ \*PITUITARY GLAND, metabolism/  
PUBERTY/ RATS/ \*RNA, biosynthesis/ SEX  
MATURATION/ STIMULATION, CHEMICAL/  
URIDINE, metabolism
966. Díaz Curiel M, Marín Hernández G: Adenoma paratiroides  
calcificado de localización mediastínica visible en la  
radiografía de tórax. *Rev Clin Esp* 149(4):409-11, 31 May  
78 (Spa)  
ADULT/ \*CALCINOSIS, radiography/ CASE  
REPORT/ HUMAN/ MALE/ \*MEDIASTINAL  
NEOPLASMS, radiography/ \*PARATHYROID  
NEOPLASMS, radiography
967. Díaz-Jouanen E, Rivero SJ: Generalidades del uso de los  
corticosteroides en reumatología. *Rev Invest Clin*  
30(3):311-8, Jul-Sep 78 (Eng. Abstr.) (Spa)  
ADMINISTRATION, ORAL/ \*ADRENAL  
CORTEX HORMONES, administration & dosage/  
ADRENAL CORTEX HORMONES, adverse effects/  
ENGLISH ABSTRACT/ GLUCOCORTICOIDS,  
TOPICAL, therapeutic use/ HUMAN/ INJECTIONS,  
INTRAMUSCULAR/ \*RHEUMATISM, drug therapy
968. Di Chiara G, Gessa GL: Pharmacology and neurochemistry  
of apomorphine. *Adv Pharmacol Chemother* 15:87-160, 1978  
(461 ref.)  
ANIMAL/ APOMORPHINE, administration & dosage/  
APOMORPHINE, metabolism/ \*APOMORPHINE,  
pharmacodynamics/ BEHAVIOR, drug effects/ BODY  
TEMPERATURE REGULATION, drug effects/  
BRAIN CHEMISTRY, drug effects/ EMETICS/  
HEMODYNAMICS, drug effects/ HUMAN/  
KINETICS/ PROLACTIN, metabolism/  
RECEPTORS, DOPAMINE, drug effects/ REVIEW/  
SOMATOTROPIN, metabolism/  
STRUCTURE-ACTIVITY RELATIONSHIP/  
SYMPATHETIC NERVOUS SYSTEM, drug effects
969. Diebold K, Vecsei P, Jackenkroll R, et al: Untersuchungen des  
Plasma-Cortisols bei psychiatrischen Krankheitsgruppen.  
*Arch Psychiatr Nervenkr* 226(1):29-35, 9 Oct 78 (Eng.  
Abstr.) (Ger)  
CIRCADIAN RHYTHM/ COMPARATIVE STUDY/  
DEPRESSION, blood/ ENGLISH ABSTRACT/  
HUMAN/ \*HYDROCORTISONE, blood/ \*MENT  
DISORDERS, blood/ NEUROSES, blood/  
PSYCHOSES, MANIC-DEPRESSIVE, blood/  
SCHIZOPHRENIA, blood
970. Dietz R, Haebara H, Gross F: What makes the  
renin-angiotensin system a pathogenic factor?  
*Contrib Nephrol* 12:16-26, 1978  
ANGIOTENSIN II, blood/ \*ANGIOTENSIN II,  
physiology/ ANIMAL/ BLOOD PRESSURE, drug  
effects/ CORTICOSTERONE, blood/  
HYPERTENSION, familial & genetic/  
HYPERTENSION, physiopathology/  
HYPERTENSION, RENAL, physiopathology/  
\*KIDNEY, physiopathology/ MALE/ RATS/  
\*RENAL ARTERY OBSTRUCTION,  
physiopathology/ \*RENAL ARTERY STENOSIS,  
physiopathology/ \*RENIN, physiology/ SODIUM,  
pharmacodynamics
971. Dietze G, Wicklmayr M, Böttger I, et al: Insulin action  
glucose uptake into skeletal muscle: inhibition of endogenous  
biosynthesis of prostaglandins. *FEBS Lett* 92(2):294-8,  
Aug 78  
BIOLOGICAL TRANSPORT, drug effects/ BLO  
SUGAR, metabolism/ CLINICAL RESEARCH/  
\*GLUCOSE, metabolism/ HUMAN/  
\*INDOMETHACIN, pharmacodynamics/  
INFORMED CONSENT/ \*INSULIN,  
pharmacodynamics/ \*MUSCLES, metabolism/  
OXYGEN CONSUMPTION, drug effects/  
\*PROSTAGLANDINS, biosynthesis/ REGIONAL  
BLOOD FLOW, drug effects/ SOMATOTROPIN,  
blood
972. Diffang C, Saldeen T: Effect of hydrocortisone on the  
elimination of fibrin from the pulmonary vessels in the  
*Thromb Res* 13(1):25-36, Jul 78  
ANIMAL/ BURNS, etiology/ \*FIBRIN, metabolism/  
FIBRINOLYSIS, drug effects/  
\*HYDROCORTISONE, pharmacodynamics/ LUN  
drug effects/ MALE/ \*PULMONARY ARTERY,  
effects/ RATS/ THROMBIN, pharmacodynamics
973. Dighiero G, Charron D, Vaugier G, et al: Etude compar  
du nombre des lymphocytes sanguins chez le sujet nor  
et dans la leucémie lymphoïde chronique 4 heures apr  
l'injection d'hydrocortisone.  
*Nouv Rev Fr Hematol Blood Cells* 20(2):317-22, 10 Ju  
(Eng. Abstr.)  
AGED/ B-LYMPHOCYTES/ COMPARATIVE  
STUDY/ ENGLISH ABSTRACT/ HUMAN/  
\*HYDROCORTISONE, therapeutic use/  
\*LEUKEMIA, LYMPHOCYTIC, blood/  
LEUKEMIA, LYMPHOCYTIC, drug therapy/  
LEUKEMIA, LYMPHOCYTIC, pathology/  
LEUKOCYTE COUNT/ \*LYMPHOCYTES/  
NEOPLASM STAGING/ T-LYMPHOCYTES/  
TIME FACTORS
974. Di Giulio S, Chkoff N, Lhoste F, et al: Parathormone as a r  
poison in uremia [letter] *N Engl J Med* 299(20):1134-  
Nov 78  
ADULT/ HUMAN/ HYPERPARATHYROIDIS  
SECONDARY, surgery/ \*NEURAL CONDUCTI  
PARATHYROID GLANDS, surgery/  
PARATHYROID HORMONE, blood/  
\*PARATHYROID HORMONE, physiology/  
UREMIA, blood/ \*UREMIA, physiopathology
975. Dilman VM: Ageing, metabolic immunodepression and  
carcinogenesis. *Mech Ageing Dev* 8(3):153-73, Sep 7  
ADULT/ AGED/ \*AGING/ CELL  
TRANSFORMATION, NEOPLASTIC, metaboli  
CHOLESTEROL, blood/ CLOFIBRATE, therap  
use/ CORONARY DISEASE, drug therapy/  
DIABETES MELLITUS, drug therapy/ ENERO  
METABOLISM, drug effects/ FATTY ACIDS,  
NONESTERIFIED, blood/ FEMALE/ HUMAN/  
HYPOTHALAMO-HYPOPHYSAL SYSTEM,  
physiopathology/ IMMUNITY, CELLULAR, dr  
effects/ IMMUNOLOGIC DEFICIENCY  
SYNDROMES, immunology/ \*IMMUNOLOGIC  
DEFICIENCY SYNDROMES, metabolism/ INSU  
blood/ LIPOPROTEINS, LDL, blood/  
LIPOPROTEINS, VLDL, blood/ MALE/ MID  
AGE/ \*NEOPLASMS, immunology/ PHENFOR  
therapeutic use/ PREGNANCY/ TRIGLYCER  
blood



## AUTHOR SECTION

- Di Marco PN, Oliver IT: Adenosine 3',5'-cyclic monophosphate and enzyme induction in the perinatal rat. *FEBS Lett* 94(1):183-5, 1 Oct 78
- \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ \*ANIMALS, NEWBORN, metabolism/ ENZYME INDUCTION, drug effects/ LIVER, embryology/ \*LIVER, enzymology/ PHOSPHOENOLPYRUVATE CARBOXYLASE, biosynthesis/ RATS/ RECEPTORS, CYCLIC AMP, metabolism/ TYROSINE AMINOTRANSFERASE, biosynthesis
- Dimitrov V, Kosturkov G: Khormonalen kontrol vurkhu imunnata reaktivnost. *Vutr Boles* 17(4):8-15, 1978 (78 ref.) (Bul)
- ADRENAL CORTEX, immunology/ ANIMAL/ ANTIBODY FORMATION/ ANTIBODY PRODUCING CELLS, immunology/ \*ANTIGEN-ANTIBODY REACTIONS/ DWARFISM, PITUITARY, immunology/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, immunology/ IMMUNITY, CELLULAR/ IMMUNOLOGIC DEFICIENCY SYNDROMES, immunology/ LYMPHOCYTES, immunology/ MICE/ PANCREAS, immunology/ REVIEW/ \*SOMATOTROPIN, immunology/ THYMECTOMY/ THYMUS GLAND, immunology/ THYMUS GLAND, secretion/ THYROID GLAND, immunology
- Dinaburg AD, Zavadskaia GIa: Sutochnyi ritm éksekretsii katekholaminov i gliukokortikoidov pri porazhenii gipotalamusa. *Fiziol Zh* 24(5):692-8, Sep-Oct 78 (Eng. Abstr.) (Rus)
- ADULT/ BRAIN DISEASES, urine/ \*CATECHOLAMINES, urine/ \*CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ HUMAN/ \*HYPOTHALAMUS/ SYNDROME/ \*17-HYDROXYCORTICOSTEROIDS, urine
- Dionidis IA, Tsyb AF, Matveenko EG, et al: Skanirvanie i angiografiia v diagnostike opukholei schitovidnoi zhelezy. *Vestn Rentgenol Radiol* (4):43-8, Jul-Aug 78 (Eng. Abstr.) (Rus)
- ADULT/ ANGIOGRAPHY/ CYSTS, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ GOITER, NODULAR, diagnosis/ HUMAN/ MALE/ THYROID DISEASES, diagnosis/ THYROID GLAND, blood supply/ THYROID GLAND, radionuclide imaging/ \*THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, radionuclide imaging
- Dipple I, Houslay MD: The activity of glucagon-stimulated adenylate cyclase from rat liver plasma membranes is modulated by the fluidity of its lipid environment. *Biochem J* 174(1):179-90, 15 Jul 78
- \*ADENYL CYCLASE, metabolism/ ANIMAL/ BENZYL ALCOHOLS, pharmacodynamics/ CELL MEMBRANE, enzymology/ DETERGENTS, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ GLUCAGON, pharmacodynamics/ IN VITRO/ KINETICS/ \*LIPIDS, metabolism/ LIVER, cytology/ LIVER, drug effects/ \*LIVER, enzymology/ MALE/ NUCLEOTIDASES, metabolism/ POLYETHYLENE GLYCOLS, pharmacodynamics/ RATS
- Disaia P, Saltz A, Kagan AR, et al: A temporary response of recurrent granulosa cell tumor to adriamycin. *Obstet Gynecol* 52(3):355-8, Sep 78
- ADULT/ CASE REPORT/ \*DOXORUBICIN, therapeutic use/ FEMALE/ \*GRANULOSA CELL TUMOR, drug therapy/ GRANULOSA CELL TUMOR, pathology/ HUMAN/ \*OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, pathology/ RECURRENCE
- Dixit VP, Bhargava SK, Sandhu JS: Effects of quinacrine administration on testicular function of the toad Bufo andersonii Boulenger. *Indian J Exp Biol* 16(7):803-5, Jul 78
- ANIMAL/ \*BUFO, metabolism/ MALE/ \*QUINACRINE, pharmacodynamics/ TESTIS, analysis/ \*TESTIS, drug effects
- Dixit VP, Khanna P, Bhargava SK: Effects of Momordica charantia L. fruit extract on the testicular function of dog. *Planta Med* 34(3):280-6, Nov 78
- ANIMAL/ DOGS/ MALE/ \*PLANT EXTRACTS, pharmacodynamics/ \*PLANTS, MEDICINAL/ \*TESTIS, drug effects
984. DiZerega G, Kletzky OA, Mishell DR Jr: Diagnosis of Sheehan's syndrome using a sequential pituitary stimulation test. *Am J Obstet Gynecol* 132(4):348-53, 15 Oct 78
- ADULT/ CORTICOTROPIN, blood/ CORTICOTROPIN, diagnostic use/ FEMALE/ GONADOTROPINS, PITUITARY, blood/ HUMAN/ HYPOPITUITARISM, blood/ \*HYPOPITUITARISM, diagnosis/ HYPOPITUITARISM, drug therapy/ INSULIN, diagnostic use/ METYRAPONE, diagnostic use/ \*PITUITARY FUNCTION TESTS/ PITUITARY HORMONE RELEASING HORMONES, diagnostic use/ THYROTROPIN RELEASING HORMONE, diagnostic use
985. Djuric DC, Djordjevic PB, Manojlovic DLj: Glikoregulacija u toku hipotireoze. *Srp Arh Celok Lek* 105(11):951-65, Nov 77 (Eng. Abstr.) (Sec)
- ADULT/ DIABETES MELLITUS, complications/ ENGLISH ABSTRACT/ FEMALE/ \*GLUCOSE, metabolism/ HUMAN/ HYPOTHYROIDISM, complications/ \*HYPOTHYROIDISM, metabolism/ MALE/ MIDDLE AGE
986. Dluhy RG, Moore TJ, Williams GH: Sella turcica enlargement and primary adrenal insufficiency. *Ann Intern Med* 89(4):513-4, Oct 78
- \*ADRENAL GLAND HYPOFUNCTION, complications/ ADULT/ CASE REPORT/ FEMALE/ HUMAN/ HYPERPLASIA/ MALE/ \*PITUITARY GLAND, pathology/ \*SELLA TURCICA, radiography
987. Dmitrieva LV, Adler VV, Shapov VS: Vzaimodeistvie deksametazon-retseptornykh kompleksov s izolirovannyimi iadrami iz kletok gepatoma Zaidela i pecheni krysa. *Biull Eksp Biol Med* 86(9):350-3, Sep 78 (Eng. Abstr.) (Rus)
- ANIMAL/ BINDING SITES/ CELL NUCLEUS, metabolism/ CYTOSOL, analysis/ \*DEXAMETHASONE, metabolism/ ENGLISH ABSTRACT/ HEPATOMA, EXPERIMENTAL, metabolism/ \*HEPATOMA, EXPERIMENTAL, ultrastructure/ IN VITRO/ KINETICS/ LIVER, metabolism/ \*LIVER, ultrastructure/ MALE/ RATS/ RECEPTORS, HORMONE, isolation & purification/ \*RECEPTORS, HORMONE, metabolism
988. Dobracheva AD, Zelnetskaia VS: Poluchenie iodirovannogo liuteiniziruiushchego gormona s sokhraneniem ego biologicheskikh svoistv. *Probl Endokrinol (Mosk)* 24(5):44-8, Sep-Oct 78 (Eng. Abstr.) (Rus)
- ANIMAL/ CHLORAMINES, pharmacodynamics/ ENGLISH ABSTRACT/ HUMAN/ \*IODINE RADIOISOTOPES/ ISOTOPE LABELING, methods/ \*LH, chemical synthesis/ MALE/ PROTEIN BINDING, drug effects/ RATS/ RECEPTORS, HORMONE, drug effects/ TESTIS, drug effects
989. Dobyns BM: Prevention and management of hyperthyroid storm. *World J Surg* 2(3):293-306, May 78
- ADRENAL GLANDS, physiopathology/ GOITER, EXOPHTHALMIC/ HUMAN/ HYPERTHYROIDISM, drug therapy/ PROPYLTHIOURACIL, therapeutic use/ SYMPATHOLYTICS, therapeutic use/ THYROID CRISIS, blood/ THYROID CRISIS, prevention & control/ THYROID CRISIS, physiopathology/ \*THYROID CRISIS, therapy/ THYROXINE, blood/ TRIIODOTHYRONINE, blood
990. Döcke F, Smöllich A: Morphological differentiation of limbic nuclei during sexual maturation of female rats. *Endokrinologie* 72(1):1-8, Apr 78
- AGING/ \*AMYGDALOID BODY, growth & development/ ANIMAL/ CELL DIFFERENTIATION/ COMPARATIVE STUDY/ FEMALE/ \*LIMBIC SYSTEM, growth & development/ ORGAN SPECIFICITY/ RATS/ \*SEX MATURATION
991. Döcke F, Rohde W, Bao TN, et al: Studies on the time and localization of the puberal desensitization to oestrogen in female rats. *Endokrinologie* 71(3):257-65, Mar 78
- ANIMAL/ CASTRATION/ CHOLESTEROL, pharmacodynamics/ DRUG IMPLANTS/ \*ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ LH, blood/ RATS/ \*SEX MATURATION/ SEX MATURATION, drug effects
992. Dohm GL, Louis TM: Changes in androstenedione, testosterone and protein metabolism as a result of exercise. *Proc Soc Exp Biol Med* 158(4):622-5, Sep 78

# AUTHOR SECTION

- \*ANDROSTENEDIONE, blood/ ANIMAL/  
CASTRATION/ \*EXERTION/ FEMALE/ MALE/  
\*PROTEINS, metabolism/ RATS/ SEX FACTORS/  
TESTIS, physiology/ \*TESTOSTERONE, blood/  
UNITED STATES GOV'T SUPPORTED, P.H.S./  
UREA, urine
993. Dokumov S, Maleeva A, Volkov I: Izmenenie urovnia éstradiola, progesterona i testosterona v plazme krvi u bol'nykh s sindromom Shteina-Leventalia. Akush Ginekolog (Mosk) (8):33-5, Aug 78 (Rus)  
ADOLESCENCE/ ADULT/ COMPARATIVE STUDY/ COSYNTROPIN, diagnostic use/ DEXAMETHASONE, diagnostic use/ \*ESTRADIOL, blood/ FEMALE/ GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ MENSTRUATION/ \*PROGESTERONE, blood/ \*STEIN-LEVENTHAL SYNDROME, blood/ \*TESTOSTERONE, blood
994. Dolan M: Pain. Reducing the lowest common human denominator. Am Pharm 18(12):8-12, Nov 78  
ANIMAL/ ENKEPHALINS/ HUMAN/ \*PAIN/ PAIN, therapy
995. Dolev E: [24, 25-dihydroxycholecalciferol (editorial)] Harefuah 95(3-4):130-1, Aug 78 (Heb)  
\*DIHYDROXYCHOLECALCIFEROLS/  
\*HYDROXYCHOLECALCIFEROLS
996. Dollar JR, Boots LR, Bagwell JN: Histochemical and ultrastructural effects of enovid E on the endometrium of the baboon. Cell Tissue Res 192(3):451-60, 26 Sep 78  
ACID PHOSPHATASE, metabolism/ ALKALINE PHOSPHATASE, metabolism/ ANIMAL/ BABOONS/ CELL MEMBRANE, ultrastructure/ CELL NUCLEUS, ultrastructure/  
\*CONTRACEPTIVES, ORAL, pharmacodynamics/ \*ENDOMETRIUM, drug effects/ ENDOMETRIUM, metabolism/ ENDOMETRIUM, ultrastructure/ FEMALE/ MONKEYS/ PERIODIC ACID-SCHIFF REACTION/ SUCCINATE DEHYDROGENASE, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
997. Dolva O, Hanssen KF, Frey HM: Actions of thyrotropin-releasing-hormone on gastrointestinal function in man. I. Inhibition of glucose and xylose absorption from the gut. Scand J Gastroenterol 13(5):599-604, 1978  
ADULT/ GLUCOSE, metabolism/ HUMAN/  
\*INTESTINAL ABSORPTION, drug effects/ MALE/  
\*THYROTROPIN RELEASING HORMONE, pharmacodynamics/ XYLOSE, metabolism
998. Dominguez AN, Corbeira MS, González-Conde CS, et al: Significance of the transient bradycardic pattern in prepathological oxytocin stress test. Z Geburtshilfe Perinatol 182(4):294-8, Aug 78  
\*BRADYCARDIA, chemically induced/ FEMALE/  
FETAL DISTRESS, diagnosis/ \*FETAL HEART, drug effects/ HUMAN/ \*OXYTOCIN, diagnostic use/ PREGNANCY/ UTERUS, drug effects
999. Donadio JV Jr, Holley KE, Ferguson RH, et al: Treatment of diffuse proliferative lupus nephritis with prednisone and combined prednisone and cyclophosphamide. N Engl J Med 299(21):1151-5, 23 Nov 78  
ADOLESCENCE/ ADULT/ ANTINUCLEAR FACTORS, analysis/ COMPARATIVE STUDY/  
\*CYCLOPHOSPHAMIDE, administration & dosage/  
DRUG THERAPY, COMBINATION/ FEMALE/  
FOLLOW-UP STUDIES/  
\*GLOMERULONEPHRITIS, drug therapy/  
GLOMERULONEPHRITIS, etiology/ HUMAN/  
\*LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ MALE/ MIDDLE AGE/  
\*PREDNISONE, administration & dosage/  
PROSPECTIVE STUDIES/ RECURRENCE
1000. Donald RA, Espiner EA, Livesey JH: Treatment of amenorrhoea, galactorrhoea and hypogonadism with bromocriptine. Aust NZ J Med 8(3):262-6, Jun 78  
ADOLESCENCE/ ADULT/ AMENORRHEA, blood/ \*AMENORRHEA, drug therapy/ FEMALE/  
GALACTORRHEA, blood/ \*GALACTORRHEA, drug therapy/ HUMAN/ HYPOGONADISM, blood/  
\*HYPOGONADISM, drug therapy/ \*LACTATION DISORDERS, drug therapy/ MALE/ MIDDLE AGE/  
PREGNANCY/ PROLACTIN, blood/  
TESTOSTERONE, blood/  
\*2-BROMOERGOCRYPTINE, therapeutic use
1001. Donnelly TE Jr: Reconsideration of the multiple cyclic nucleotide phosphodiesterases in bovine heart. Biochem Biophys Res Commun 82(3):964-70, 14 Jun 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ CALCIUM, pharmacodynamics/ CATTLE/ CHROMATOGRAPHY, DEAE-CELLULOSE/ ENZYME ACTIVATION/ \*MYOCARDIUM, enzymology/ PROTEIN KINASE, metabolism/ SEASONS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism/  
\*3',5'-CYCLIC GMP PHOSPHODIESTERASE, metabolism
1002. Donner DB, Nakayama K, Tani S, et al: The uptake and degradation of growth hormone fragments by isolated hepatocytes. J Biol Chem 253(19):6717-23, 10 Oct 78  
ANIMAL/ BIOLOGICAL TRANSPORT/ CATTLE/ IN VITRO/ KINETICS/ \*LIVER, metabolism/ MALE/ PEPTIDE FRAGMENTS, metabolism/ RATS/ RECEPTORS, HORMONE, metabolism/ \*SOMATOTROPIN, metabolism/ TRYPSIN/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1003. Doran J, Vennart W, Richmond CR, et al: Iotroxamide in man--plasma binding, renal and biliary excretion in jaundiced and anicteric patients. Br J Clin Pharmacol 6(4):311-7, Oct 78  
ADULT/ AGED/ \*BILE, metabolism/ BLOOD/ PROTEINS, metabolism/ CONTRAST MEDIA, blood/ \*CONTRAST MEDIA, metabolism/ CONTRAST MEDIA, urine/ FEMALE/ HUMAN/ IODINE, metabolism/ \*IODIPAMIDE, analogs/ derivatives/ IODIPAMIDE, blood/ IODIPAMIDE, metabolism/ IODIPAMIDE, urine/ \*JAUNDICE, metabolism/ MALE/ MIDDLE AGE/ PROTEIN BINDING
1004. Dorée M, Moreau M, Guerrier P: Hormonal control of in vitro induced release of calcium ions from the plasma membrane in starfish oocytes. Exp Cell Res 115(2):1-7, Sep 78  
\*ADENINE, analogs & derivatives/ ADENINE, pharmacodynamics/ ANIMAL/ \*CALCIUM, metabolism/ CELL MEMBRANE, drug effects/ MEMBRANE, metabolism/ DITHIOTHREITOL, pharmacodynamics/ \*MEIOSIS/ \*OOCYTES, effects/ OOCYTES, metabolism/ OOCYTES, physiology/ \*OVUM, drug effects/ STARFISH
1005. Döring GK: Kritische Betrachtung der Langzeit-behandlung der klimakterischen Beschwerden mit Östrogenen. Lebensversicherungsmedizin 30(6):145-8, Nov 78  
\*CLIMACTERIC/ \*ESTROGENS, therapeutic use/ \*GENITAL DISEASES, FEMALE, drug therapy/ LONG TERM CARE
1006. Dornbusch K: Antibiotics in bone tissues. Methodological aspects. Scand J Infect Dis [Suppl] (14):177-8, 1978  
ANTIBIOTICS, administration & dosage/  
\*ANTIBIOTICS, analysis/ ANTIBIOTICS, metabolism/ BIOLOGICAL ASSAY/ \*BONE AND BONES, analysis/ BONE AND BONES, metabolism/ BONE AND BONES, surgery/ CEPHALOSPORINS, administration & dosage/ CEPHALOSPORINS, analysis/ CEPHALOSPORINS, metabolism/ CLINDAMYCIN, administration & dosage/  
CLINDAMYCIN, analysis/ CLINDAMYCIN, metabolism/ DIFFUSION/ DOXYCYCLINE, administration & dosage/ DOXYCYCLINE, analysis/ DOXYCYCLINE, metabolism/ ELECTROPHORESIS, AGAR GEL/ HUMAN/ LINCOMYCIN, administration & dosage/  
LINCOMYCIN, analysis/ LINCOMYCIN, metabolism/ SURGICAL WOUND INFECTION, prevention & control
1007. Dorus E, Gillespie J: Incidence of 47,XXX males: implications for the production of 47,XXX offspring by 47,XXX females. Soc Biol 25(2):87-93, Summer 78  
FERTILITY/ GENETICS, POPULATION/ HUMAN/ INFANT MORTALITY/ MALE/ CHROMOSOME ABNORMALITIES, familial/ genetic/ SEX CHROMOSOME ABNORMALITIES, occurrence/ \*SEX CHROMOSOMES/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*Y CHROMOSOME
1008. Døskeland SO: Evidence that rabbit muscle protein kinase has two kinetically distinct binding sites for adenosine 5'-cyclic monophosphate. Biochem Biophys Res Commun 82(3):964-70, 14 Jun 78



# AUTHOR SECTION

- 83(2):542-9, 28 Jul 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE/  
ANIMAL/ BINDING SITES/ CARRIER  
PROTEINS, isolation & purification/ CARRIER  
PROTEINS, metabolism/ KINETICS/ \*MUSCLES,  
enzymology/ PROTEIN BINDING/ \*PROTEIN  
KINASE/ PROTEIN KINASE, isolation &  
purification/ PROTEIN KINASE, metabolism/  
RABBITS
- Døskeland SO, Kalland T, Breistein LS, et al: The isozyme  
pattern of cyclic AMP-dependent protein kinase and the  
distribution of a cervicovaginal antigen in experimental  
carcinoma of the cervix uteri of mice.  
Acta Pathol Microbiol Scand [A] 86(2):121-30, Mar 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE/  
ANIMAL/ \*ANTIGENS/ ANTIGENS, analysis/  
\*CERVIX NEOPLASMS/ CERVIX NEOPLASMS,  
enzymology/ CERVIX NEOPLASMS, immunology/  
CERVIX NEOPLASMS, pathology/ \*CERVIX  
UTERI, immunology/ CHROMATOGRAPHY, GEL/  
CHROMATOGRAPHY, ION EXCHANGE/  
CYTOSOL, enzymology/ EPITHELIUM,  
immunology/ FLUORESCENT ANTIBODY  
TECHNIC/ HEMAGGLUTINATION TESTS/  
\*ISOENZYMES, metabolism/ MICE/ NEOPLASMS,  
EXPERIMENTAL, enzymology/ NEOPLASMS,  
EXPERIMENTAL, immunology/ NEOPLASMS,  
EXPERIMENTAL, pathology/ \*PROTEIN KINASE,  
metabolism/ \*VAGINA, immunology
- Døskeland SO, Haga HJ: Measurement of adenosine  
3',5'-cyclic monophosphate by competitive binding to  
salt-dissociated protein kinase. Biochem J 174(2):363-72, 15  
Aug 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
analysis/ BINDING, COMPETITIVE/ KINETICS/  
METHODS/ \*PROTEIN KINASE
- Doszpod J, Egyed J, Cseh I, et al: Az anyai szérum nem  
conjuguált oestril szintje normális és kóros terhességben.  
Orv Hetil 119(44):2671-3, 29 Oct 78 (Hun)  
\*ESTRIOL, blood/ ESTRIOL, urine/ FEMALE/  
HUMAN/ \*PREGNANCY COMPLICATIONS,  
blood/ PREGNANCY
- Douglas WW, Taraskevich PS: Action potentials in rat and  
lizard pars intermedia cells: inhibition by dopamine and  
stimulation by 5-hydroxytryptamine, two suspected  
regulators of MSH secretion [proceedings]  
J Physiol (Lond) 280:13P, Jul 78  
ACTION POTENTIALS, drug effects/ ANIMAL/  
\*DOPAMINE, pharmacodynamics/ IN VITRO/  
LIZARDS/ MSH, secretion/ PITUITARY GLAND,  
drug effects/ PITUITARY GLAND, innervation/  
\*PITUITARY GLAND, physiology/ RATS/  
\*SEROTONIN, pharmacodynamics/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
- Dousa TP, Northrup TE: Cellular interactions between  
vasopressin and prostaglandins in the mammalian kidney.  
Contrib Nephrol 12:106-15, 1978 (55 ref.)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ADENYL CYCLASE, metabolism/  
ANIMAL/ HUMAN/ KIDNEY MEDULLA,  
metabolism/ \*KIDNEY, physiology/  
\*PROSTAGLANDINS, physiology/ PROTEIN  
KINASE, metabolism/ REVIEW/ UNITED STATES  
GOV'T SUPPORTED, P.H.S./ \*VASOPRESSINS,  
physiology/ 3',5'-CYCLIC AMP  
PHOSPHODIESTERASE, metabolism
- Dousa TP, Barnes LD: Lithium-induced diuretic effect of  
antidiuretic hormone in rats. Am J Physiol 231(6):1754-9,  
Dec 76  
ADENYL CYCLASE, metabolism/ ANIMAL/ BODY  
WATER/ DOSE-RESPONSE RELATIONSHIP,  
DRUG/ DRUG THERAPY, COMBINATION/  
\*KIDNEY, drug effects/ KIDNEY, physiology/  
LITHIUM, antagonists & inhibitors/ LITHIUM,  
metabolism/ \*LITHIUM, pharmacodynamics/  
PHOSPHORUS, metabolism/ POTASSIUM,  
metabolism/ RATS/ SODIUM, metabolism/ TIME  
FACTORS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ VASOPRESSINS, antagonists  
& inhibitors/ VASOPRESSINS, metabolism/  
\*VASOPRESSINS, pharmacodynamics
- Doust BD, Thompson R: Ultrasonography of abdominal fluid  
collections. Gastrointest Radiol 3(3):273-9, 31 Aug 78  
\*ABDOMEN/ \*ABSCCESS, diagnosis/ \*ASCITES,  
diagnosis/ CYSTS, diagnosis/ FEMALE/  
HEMATOMA, diagnosis/ HUMAN/ INTESTINES/  
LIVER ABSCESS, diagnosis/ LYMPHATIC  
DISEASES, diagnosis/ OVARIAN CYSTS, diagnosis/  
PANCREATIC DISEASES, diagnosis/ SUBPHRENIC  
ABSCESS, diagnosis/ \*ULTRASONICS, diagnostic use
1016. Doyle AE, Chua KG, Duffy S, et al: Plasma renin, urinary  
sodium excretion and vascular disease. Clin Sci Mol Med  
48 Suppl 2:127s-129s, Jun 75  
CEREBROVASCULAR DISORDERS, complications/  
DIET, SALT-FREE/ HUMAN/ HYPERTENSION,  
complications/ \*HYPERTENSION, metabolism/  
MYOCARDIAL INFARCTION, complications/  
\*NATRIURESIS/ \*RENIN, blood
1017. Doyle MJ, Maclean N: Biochemical changes in  
developmentally retarded *Xenopus laevis* larvae. I. The lens  
crystallin transition. J Embryol Exp Morphol 46:215-25, Aug  
78  
ANIMAL/ CRYSTALLINS, analysis/  
\*CRYSTALLINS, metabolism/ LARVA, anatomy &  
histology/ LENS, CRYSTALLINE, analysis/ \*LENS,  
CRYSTALLINE, growth & development/  
METAMORPHOSIS, BIOLOGICAL/  
PROPYLTHIOURACIL, pharmacodynamics/  
XENOPUS
1018. Drakenberg T, Lindman B, Cavé A, et al: Non-equivalence of  
the CD and EF sites of muscular parvalbumins. A <sup>113</sup>Cd  
NMR study. FEBS Lett 92(2):346-50, 15 Aug 78  
ANIMAL/ BINDING SITES/ BINDING,  
COMPETITIVE/ CADMIUM, metabolism/  
\*CALCIUM, metabolism/ CARP/ GADOLINIUM,  
metabolism/ HYDROGEN-ION  
CONCENTRATION/ ISOTOPES/ LIGANDS/  
\*MUSCLE PROTEINS, metabolism/ NUCLEAR  
MAGNETIC RESONANCE, methods/  
\*PARVALBUMINS, metabolism/ PROTEIN  
CONFORMATION/ SOLUTIONS
1019. Drew SI, Joffe BI, Vinik AI, et al: First 24 hours of acute  
pancreatitis. A biochemical and endocrine evaluation of  
initial versus repeated attacks. Am J Gastroenterol  
70(1):66-72, Jul 78  
ACUTE DISEASE/ ADULT/ AMYLASES, blood/  
BLOOD SUGAR, analysis/ CALCITONIN, blood/  
CALCIUM, blood/ CHOLESTEROL, blood/ FATTY  
ACIDS, NONESTERIFIED, blood/ FEMALE/  
GASTRINS, blood/ GLUCAGON, blood/ HUMAN/  
HYDROCORTISONE, blood/ INSULIN, blood/  
MALE/ MIDDLE AGE/ \*PANCREATITIS, blood/  
PANCREATITIS, enzymology/ PARATHYROID  
HORMONE, blood/ RECURRENCE/  
SOMATOTROPIN, blood/ TRIGLYCERIDES, blood
1020. Drummond GI, Dunham J: Properties of detergent-dispersed  
myocardial adenylate cyclase. Arch Biochem Biophys  
189(1):63-75, Jul 78  
\*ADENYL CYCLASE/ ADENYL CYCLASE,  
isolation & purification/ ANIMAL/ CATALYSIS/  
CHEMISTRY/ CHROMATOGRAPHY, GEL/  
\*DETERGENTS/ ENZYME ACTIVATION/  
KINETICS/ \*MYOCARDIUM, enzymology/  
PHOSPHOLIPIDS/ RABBITS/ SOLUBILITY
1021. Dry J, Leynadier F, Abuaf N, et al: Effets d'un extrait  
cortico-surrénal total (ECST) sur l'immunité retardée et les  
sous-populations lymphocytaires chez l'Homme.  
C R Acad Sci [D] (Paris) 286(21):1543-5, 29 May 78 (Eng.  
Abstr.)  
\*ADRENAL CORTEX, physiology/ ADULT/  
AGED/ B-LYMPHOCYTES, immunology/  
ENGLISH ABSTRACT/ HUMAN/  
\*HYPERSENSITIVITY, DELAYED, immunology/  
\*LYMPHOCYTES, immunology/ MIDDLE AGE/  
TISSUE EXTRACTS
1022. D'Souza VJ, Tobian L, Formanek A, et al: A new, simple test  
for renin sampling. Radiology 129(2):351-5, Nov 78  
ADOLESCENCE/ ADULT/ AGED/  
AORTOGRAPHY/ BLOOD PRESSURE/ CHILD/  
\*ENZYME TESTS, methods/ HUMAN/  
HYPERTENSION, diagnosis/ HYPERTENSION,  
physiopathology/ \*HYPERTENSION, RENAL,  
diagnosis/ \*HYPERTENSION, RENOVASCULAR,  
diagnosis/ HYPERTENSION, RENOVASCULAR,  
physiopathology/ MIDDLE AGE/ RENAL ARTERY  
STENOSIS, radiography/ RENAL VEINS/ \*RENIN,  
blood/ TOURNIQUETS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.



## AUTHOR SECTION

1023. du Gres B, Samuel D, Philippe M, et al: Anesthésie-réanimation dans la chirurgie du syndrome de Conn. *Anesth Analg (Paris)* 35(2):263-7, Mar-Apr 78 (Fr)  
ADULT/ AGED/ \*ANESTHESIA, GENERAL/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, drug therapy/ \*HYPERALDOSTERONISM, surgery/ MALE/ MIDDLE AGE/ \*NEUROLEPTANALGESIA/ POSTOPERATIVE CARE/ PREMEDICATION/ SPIRONOLACTONE, administration & dosage
1024. Dubin B, MacLennan WJ, Hamilton JC: Adrenal function and ascorbic acid concentrations in elderly women. *Gerontology* 24(6):473-6, 1978  
ADRENAL GLAND HYPOFUNCTION, diagnosis/ \*ADRENAL GLANDS, physiology/ \*AGING/ ASCORBIC ACID DEFICIENCY, diagnosis/ \*ASCORBIC ACID, blood/ ASCORBIC ACID, therapeutic use/ COSYNTROPIN, diagnostic use/ FEMALE/ HUMAN/ HYDROCORTISONE, blood
1025. Dubourguier HC, Gouet P, Contrepois M, et al: Diarrhée du nouveau-né: propriétés et mécanismes d'action des *Escherichia coli* entéropathogènes chez le veau et le porcelet. *Ann Rech Vet* 9(1):129-52, 1978 (184 ref.) (Fr)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ ANIMALS, NEWBORN/ BIOLOGICAL TRANSPORT/ \*CATTLE DISEASES, microbiology/ CATTLE/ \*DIARRHEA, veterinary/ \*ENTEROTOXINS/ ENTEROTOXINS, biosynthesis/ ENTEROTOXINS, immunology/ ESCHERICHIA COLI INFECTIONS, microbiology/ \*ESCHERICHIA COLI INFECTIONS, veterinary/ ESCHERICHIA COLI, classification/ ESCHERICHIA COLI, genetics/ ESCHERICHIA COLI, immunology/ \*ESCHERICHIA COLI, pathogenicity/ HEAT/ HEMOLYSINS/ INTESTINAL MUCOSA, microbiology/ REVIEW/ SEROTYPING/ \*SWINE DISEASES, microbiology/ SWINE
1026. Duboussset AM, Melin Y, Saint-Maurice JP: Anesthésie et suites opératoires dans la chirurgie des corticosurrénales de l'enfant. A propos de 24 observations. *Anesth Analg (Paris)* 35(2):279-85, Mar-Apr 78 (Fr)  
\*ADENOMA, VIRILIZING, surgery/ ADOLESCENCE/ ADRENAL CORTEX NEOPLASMS, drug therapy/ \*ADRENAL CORTEX NEOPLASMS, surgery/ ANESTHESIA/ CHILD/ CHILD, PRESCHOOL/ \*CUSHING'S SYNDROME, surgery/ FEMALE/ HUMAN/ HYDROCORTISONE, administration & dosage/ INFANT/ MALE/ MITOTANE, administration & dosage/ \*POSTOPERATIVE CARE/ \*PREOPERATIVE CARE
1027. Duchin KL, Peterson LN, Burke TJ: The effect of diazoxide on renal hemodynamics and renal water excretion. *J Pharmacol Exp Ther* 207(1):243-8, Oct 78  
ANIMAL/ BLOOD PRESSURE, drug effects/ \*DIAZOXIDE, pharmacodynamics/ DIURESIS, drug effects/ DOGS/ FEMALE/ HYPOPHYSECTOMY/ INULIN, diagnostic use/ KIDNEY, blood supply/ \*KIDNEY, drug effects/ KIDNEY, metabolism/ MALE/ OSMOLAR CONCENTRATION/ PERFUSION/ PRESSURE/ REGIONAL BLOOD FLOW, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S./ URINE, drug effects
1028. Dudai Y, Segal M: alpha-Bungarotoxin binding sites in rat hippocampus: localization in postsynaptic cells. *Brain Res* 154(1):167-71, 6 Oct 78  
ACETYLCHOLINESTERASE, metabolism/ ANIMAL/ BINDING SITES/ \*BUNGAROTOXINS, metabolism/ \*HIPPOCAMPUS, enzymology/ HYPOTHALAMUS, enzymology/ MALE/ QUINUCLIDINES, metabolism/ RATS/ RECEPTORS, MUSCARINIC, metabolism/ RECEPTORS, NICOTINIC, metabolism/ \*SYNAPSES, enzymology/ UNITED STATES GOV'T SUPPORTED
1029. Dudkiewicz J, Matuszewski W, Kamiński K, et al: Zachowanie się aktywności monoaminooksydazy u kobiet leczonych preparatem clomid z powodu niepłodności czynnościowej. *Ginekol Pol* 49(5):401-5, May 78 (Eng. Abstr.) (Pol)  
\*CLOMIPHENE, pharmacodynamics/ CLOMIPHENE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*MONOAMINE OXIDASE, blood/ OVULATION, drug effects/ \*STERILITY, FEMALE, drug therapy/ STERILITY, FEMALE
1030. Dudley DL, Rowlett D, Masuda M, et al: Psychiatric biochemical correlates of respiratory decompensatory terminal and non-terminal chronic pulmonary disease. *Int J Psychiatry Med* 8(4):347-59, 1977-78  
ANXIETY, urine/ ATTITUDE OF HEALTH PERSONNEL/ ATTITUDE TO DEATH/ BLOOD PRESSURE/ CASE REPORT/ CHRONIC DISEASE/ CREATININE, urine/ FEMALE/ HUMAN/ \*LUNG DISEASES, OBSTRUCTIVE/ LUNG DISEASES, OBSTRUCTIVE/ LUNG DISEASES, OBSTRUCTIVE/ LUNG DISEASES, OBSTRUCTIVE/ METANEPHRINE, urine/ MIDDLE AGE/ NORMETANEPHRINE, urine/ PULSE/ \*TERMINAL CARE, psychology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VANILMANDIC ACID, urine/ 17-KETOSTEROIDS, urine
1031. Duffy MJ, Hynes N, Groarke Y, et al: Biochemical markers in breast carcinoma. *Ir Med J* 71(12):408-13, 15 Dec 78  
ADULT/ AGED/ \*BREAST NEOPLASMS, diagnosis/ \*CARCINOEMBRYONIC ANTIGEN, diagnostic use/ FEMALE/ \*FERRITIN, diagnostic use/ \*GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ MIDDLE AGE/ NEOPLASMS, METASTASIS
1032. Duggan AW: Pharmacology of mammalian central nervous system. *Int Rev Physiol* 17:119-48, 1978 (292 ref.)  
ACETYLCHOLINE, pharmacodynamics/ \*AMINO ACIDS, pharmacodynamics/ ANIMAL/ BRAIN, drug effects/ \*BRAIN, drug effects/ CEREBELLUM, drug effects/ CEREBRAL CORTEX, drug effects/ DOPAMINE, pharmacodynamics/ ENKEPHALINS, pharmacodynamics/ GABA, pharmacodynamics/ HIPPOCAMPUS, drug effects/ HISTAMINE, pharmacodynamics/ \*NEURAL INHIBITION, drug effects/ \*NEUROHUMORAL PHARMACODYNAMICS/ NOREPINEPHRINE, pharmacodynamics/ REVIEW/ SEROTONIN, pharmacodynamics/ \*SPINAL CORD, drug effects/ THALAMUS, drug effects
1033. Dumont-Herskowitz RA, Safaii HS, Senior B: Ovarian fibromata in four successive generations. *J Pediatr* 93(4):621-4, Oct 78  
ADOLESCENCE/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ \*FIBROMA, familial & genetic/ FIBROMA, pathology/ HUMAN/ \*OVARIAN NEOPLASMS, familial & genetic/ OVARIAN NEOPLASMS, pathology/ PEDIATRIC
1034. Duncan KL, Singer AL, Joyce JA, et al: Cyclic nucleotide levels in a human breast carcinoma transplanted into athymic mice. *Proc West Pharmacol Soc* 21:401-3, 1978  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ \*BREAST NEOPLASMS, metabolism/ FEMALE/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HUMAN/ MALE/ \*MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ MICE/ MICE, NUDE/ NEOPLASM TRANSPLANTATION/ TRANSPLANTATION, HETEROLOGOUS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1035. Dunn AJ, Gildersleeve NB, Gray HE: Mouse brain hydroxylase and glutamic acid decarboxylase following treatment with adrenocorticotrophic hormone, vasopressin or corticosterone. *J Neurochem* 31(4):977-82, Oct 78  
ANIMAL/ BRAIN, drug effects/ \*BRAIN, enzymology/ \*CARBOXY-LYASES, metabolism/ \*CORTICOSTERONE, pharmacodynamics/ \*CORTICOTROPIN, pharmacodynamics/ \*GLUTAMATE DECARBOXYLASE, metabolism/ \*LYPRESSIN, pharmacodynamics/ MALE/ PEPTIDE FRAGMENTS, pharmacodynamics/ \*TYROSINE HYDROXYLASE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1036. Dunnet J, Nayler WG, Sullivan AT, et al: Effect of gamma-toxin from *Naja nigricollis* venom on Ca<sup>2+</sup> uptake by cardiac micelles and membrane [proton]. *Toxicol Suppl* (1):430-1, 1978  
ANIMAL/ \*CALCIUM, metabolism/ CELL MEMBRANE, metabolism/ \*COBRA VENOM, pharmacodynamics/ \*DIRECT LYTIC FACTOR, pharmacodynamics/ GUINEA PIGS/ IN VITRO



## AUTHOR SECTION

- \*MYOCARDIUM, metabolism/ MYOCARDIUM, ultrastructure/ SARCOPLASMIC RETICULUM, metabolism
037. **Dunnett J, Nayler WG:** Effect of pH on the uptake and efflux of calcium from cardiac sarcoplasmic reticulum vesicles [proceedings] *J Physiol (Lond)* 281:16P-17P, Aug 78  
ANIMAL/ \*CALCIUM, metabolism/ GUINEA PIGS/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ \*MYOCARDIUM, metabolism/ MYOCARDIUM, ultrastructure/ \*SARCOPLASMIC RETICULUM, metabolism
038. **Dupont Y:** Mechanism of the sarcoplasmic reticulum calcium pump. Fluorometric study of the phosphorylated intermediates. *Biochem Biophys Res Commun* 82(3):893-900, 14 Jun 78  
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL/ BINDING SITES/ \*CALCIUM, metabolism/ MAGNESIUM, pharmacodynamics/ MODELS, BIOLOGICAL/ \*PHOSPHATES, metabolism/ PHOSPHORYLATION/ RABBITS/ \*SARCOPLASMIC RETICULUM, metabolism/ SPECTROMETRY, FLUORESCENCE
039. **Durkin HG, Carboni JM, Waksman BH:** Antigen-induced increase in migration of large cortical thymocytes (regulatory cells?) to the marginal zone and red pulp of the spleen. *J Immunol* 121(3):1075-81, Sep 78  
ADRENALECTOMY/ ANIMAL/ \*ANTIGENS/ AUTORADIOGRAPHY/ CELL MOVEMENT/ LYMPH NODES, immunology/ MALE/ OVALBUMIN, immunology/ PASSIVE TRANSFER/ PEYER'S PATCHES, immunology/ RATS/ \*SPLEEN, immunology/ \*T-LYMPHOCYTES, immunology/ T-LYMPHOCYTES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ URIDINE, metabolism
040. **Dürnberger H, Heuberger B, Schwartz P, et al:** Mesenchyme-mediated effect of testosterone on embryonic mammary epithelium. *Cancer Res* 38(11 Pt 2):4066-70, Nov 78  
ANDROGENS, pharmacodynamics/ ANIMAL/ BREAST NEOPLASMS, drug therapy/ DRUG RESISTANCE/ EMBRYO, drug effects/ EPITHELIUM, drug effects/ FEMALE/ GENOTYPE/ GESTATIONAL AGE/ HUMAN/ MALE/ MAMMAE, anatomy & histology/ \*MAMMAE, drug effects/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C3H/ NEOPLASM METASTASIS, drug therapy/ ORGAN CULTURE/ \*TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
041. **Düsing R, Attallah A, Braselton WE, et al:** Antihypertensive effect of volume depletion: interrelation with renal prostaglandins. *Contrib Nephrol* 12:41-53, 1978  
ALDOSTERONE, urine/ ANIMAL/ BLOOD PRESSURE, drug effects/ FUROSEMIDE, diagnostic use/ HUMAN/ \*HYPERTENSION, physiopathology/ INDOMETHACIN, diagnostic use/ KIDNEY MEDULLA, physiology/ \*KIDNEY, physiology/ OSMOLAR CONCENTRATION/ PROSTAGLANDINS A, diagnostic use/ \*PROSTAGLANDINS, physiology/ RATS/ RENIN, blood/ SODIUM CHLORIDE, pharmacodynamics
042. **Dutau G, Rochiccioli P:** Exploration corticotrope au cours des traitements prolongés par le dipropionate de béclo méthasone chez l'enfant asthmatique. *Poumon Coeur* 34(4):247-53, 1978 (Eng. Abstr.) (Fre)  
ADMINISTRATION, INTRANASAL/ ADOLESCENCE/ AEROSOLS/ \*ASTHMA, drug therapy/ BECLOMETHASONE, administration & dosage/ \*BECLOMETHASONE, adverse effects/ \*BODY HEIGHT, drug effects/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ LYPRESSIN, diagnostic use/ MALE/ PITUITARY-ADRENAL SYSTEM, drug effects/ TIME FACTORS
043. **Dutrem MT, Bolaños F, Ruiz JA, et al:** Utilidad de las determinaciones radioinmunitarias de hormonas tiroideas en el manejo medico del hipertiroidismo. *Rev Invest Clin* 30(3):231-40, Jul-Sep 78 (Eng. Abstr.) (Spa)  
ADULT/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, drug therapy/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ THIOCARBAMATES, pharmacodynamics/ THIOURACIL, pharmacodynamics/ \*THYROXINE, analysis/ THYROXINE, secretion/ \*TRIIODOTHYRONINE, analysis/ TRIIODOTHYRONINE, secretion
1044. **Dutt NH, Inoue S:** Effect of starvation & hypophysectomy on amino acid levels of ovaries of *Triturus pyrrhogaster laur.* *Indian J Exp Biol* 16(6):718-20, Jun 78  
\*AMINO ACIDS, analysis/ ANIMAL/ COMPARATIVE STUDY/ FEMALE/ \*HYPOPHYSECTOMY/ \*OVARY, analysis/ \*STARVATION, metabolism/ \*TRITURUS, physiology
1045. **Dutta AS, Furr BJ, Giles MB, et al:** Synthesis and biological activity of alpha-azapeptides: alpha-aza-analogues of luteinizing hormone releasing hormone. *Clin Endocrinol (Oxf)* 5 Suppl:291S-298S, 1976  
AMINO ACID SEQUENCE/ \*AZA COMPOUNDS, chemical synthesis/ AZA COMPOUNDS, pharmacodynamics/ FEMALE/ LH, blood/ LH, metabolism/ \*LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, chemical synthesis/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ METHODS/ OVULATION, drug effects/ PITUITARY GLAND, metabolism/ RADIOIMMUNOASSAY/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP
1046. **Dutton A, Dyball RE, Poulain DA, et al:** The importance of short interpulse intervals in determining vasopressin release from the isolated neurohypophysis [proceedings] *J Physiol (Lond)* 280:23P, Jul 78  
ACTION POTENTIALS/ ANIMAL/ ELECTRIC STIMULATION/ IN VITRO/ \*PITUITARY GLAND, POSTERIOR, secretion/ RATS/ \*VASOPRESSINS, secretion
1047. **Duval D, Homo F:** Prognostic value of steroid receptor determination in leukemia. *Cancer Res* 38(11 Pt 2):4263-7, Nov 78 (79 ref.)  
ANIMAL/ HUMAN/ LEUKEMIA, analysis/ LEUKEMIA, drug therapy/ \*LEUKEMIA, metabolism/ LYMPHOCYTES, analysis/ LYMPHOCYTES, drug effects/ METHODS/ \*NEOPLASMS, HORMONE-DEPENDENT, metabolism/ PROGNOSIS/ RECEPTORS, GLUCOCORTICOID, analysis/ \*RECEPTORS, STEROID/ RECEPTORS, STEROID, analysis/ REVIEW/ STEROIDS, pharmacodynamics
1048. **Dysken MW, Halaris AE:** Post-ECT asterix associated with primary hyperparathyroidism. *Am J Psychiatry* 135(10):1237-8, Oct 78  
CASE REPORT/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, complications/ \*HYPERPARATHYROIDISM, diagnosis/ MIDDLE AGE/ PSYCHOSES, MANIC-DEPRESSIVE, therapy/ \*SHOCK THERAPY, ELECTRIC/ SHOCK THERAPY, ELECTRIC, adverse effects/ \*TREMOR, etiology

## E

1049. **Earley CJ, Leonard BE:** GABA and gonadal hormones. *Brain Res* 155(1):27-34, 20 Oct 78  
ANIMAL/ \*BRAIN, metabolism/ CASTRATION/ ESTRADIOL, administration & dosage/ \*ESTRADIOL, blood/ \*GABA, metabolism/ MALE/ RATS/ STANOLONE, administration & dosage/ \*STANOLONE, blood/ TESTOSTERONE, administration & dosage/ \*TESTOSTERONE, blood
1050. **Earley CJ:** Taste aversion as a method for assessing the effects of gonadal hormones on behaviour. *Ir J Med Sci* 147 Suppl 1:24-7, Aug 78  
ANIMAL/ \*BEHAVIOR, ANIMAL, drug effects/ \*CYPROTERONE, pharmacodynamics/ \*ESTRADIOL, analogs & derivatives/ ESTRADIOL, pharmacodynamics/ MALE/ RATS/ \*TASTE THRESHOLD, drug effects/ \*TASTE, drug effects/ TESTOSTERONE, analogs & derivatives/ \*TESTOSTERONE, pharmacodynamics
1051. **Eastwood JB, de Wardener HE:** What is 'rickets'? [letter] *N Engl J Med* 299(17):960, 26 Oct 78  
ADULT/ HUMAN/ INFANT/ \*NOMENCLATURE/ \*RICKETS

# AUTHOR SECTION

1052. Eaton DL, Klaassen CD: Carrier-mediated transport of the organic cation procaine amide ethobromide by isolated rat liver parenchymal cells. *J Pharmacol Exp Ther* 206(3):595-606, Sep 78  
ANIMAL/ ANTIMYCIN A, pharmacodynamics/ CARBONYL CYANIDE M-CHLOROPHENYL HYDRAZONE, pharmacodynamics/ CHLOROMERCURIBENZOATES, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ IN VITRO/ INDOCYANINE GREEN, pharmacodynamics/ IOPANOIC ACID, pharmacodynamics/ \*LIVER, metabolism/ MALE/ OUABAIN, pharmacodynamics/ \*PROCAINAMIDE, analogs & derivatives/ PROCAINAMIDE, metabolism/ RATS/ SODIUM, pharmacodynamics/ STEROIDS, pharmacodynamics/ SULFOBROMOPHTHALEIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1053. Ebata T, Osanai H, Totsuka M, et al: [Studies of pathogenesis in endotoxin shock (3), --changes of plasma catecholamine concentration (author's transl)] Masui 27(7):700-4, Jul 78 (Eng. Abstr.) (Jpn)  
ALDOSTERONE, pharmacodynamics/ ANIMAL/ \*CATECHOLAMINES, blood/ DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ EPINEPHRINE, blood/ NOREPINEPHRINE, blood/ RABBITS/ \*SHOCK, SEPTIC, blood
1054. Ebel H, Lühke H, Klaus D, et al: Kombinationsbehandlung der essentiellen Hypertonie mit Propranolol, Spironolacton-Thiabutazid und Dihydralazin. *Dtsch Med Wochenschr* 103(42):1650-5, 20 Oct 78 (Eng. Abstr.) (Ger)  
ANXIETY/ BRADYCARDIA, chemically induced/ \*DIHYDRALAZINE, therapeutic use/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYDRALAZINE, analogs & derivatives/ HYDROCHLOROTHIAZIDE, analogs & derivatives/ \*HYDROCHLOROTHIAZIDE, therapeutic use/ \*HYPERTENSION, drug therapy/ MALE/ PARESTHESIA, chemically induced/ POTASSIUM, blood/ PROPRANOLOL, adverse effects/ \*PROPRANOLOL, therapeutic use/ RENIN, blood/ \*SPIRONOLACTONE, therapeutic use
1055. Eberle A, Schwyzer R: Hormone-receptor interactions. The message sequence of alpha-melanotropin: demonstration of two active sites. *Clin Endocrinol (Oxf)* 5 Suppl:41S-48S, 1976  
AMINO ACID SEQUENCE/ AMINO ACIDS, physiology/ ANIMAL/ BINDING SITES/ CORTICOTROPIN, physiology/ FROGS/ IN VITRO/ \*LYSINE, physiology/ \*MSH, physiology/ OLIGOPEPTIDES, pharmacodynamics/ RANA PIPPIENS/ \*RECEPTORS, HORMONE, physiology
1056. Eddie LW, Baker HW, Dulmanis A, et al: Inhibin from cultures of rat seminiferous tubules. *J Endocrinol* 78(2):217-24, Aug 78  
ANIMAL/ CELLS, CULTURED/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FSH, secretion/ LH, secretion/ LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ ORGAN CULTURE/ PITUITARY GLAND, cytology/ PITUITARY GLAND, secretion/ \*PITUITARY HORMONE RELEASE INHIBITING HORMONES, biosynthesis/ PITUITARY HORMONE RELEASE INHIBITING HORMONES, pharmacodynamics/ RATS/ SECRETORY RATE, drug effects/ \*SEMINIFEROUS TUBULES, metabolism/ \*TESTICULAR HORMONES, biosynthesis/ TESTICULAR HORMONES, pharmacodynamics/ \*TESTIS, metabolism/ THYROTROPIN, secretion
1057. Edelstein S, Sapir R, Harell A: The action of vitamin D on bone. *Clin Endocrinol (Oxf)* 5 Suppl:145S-150S, 1976  
ANIMAL/ \*BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ CARBON RADIOISOTOPES, diagnostic use/ CHICKENS/ CHOLECALCIFEROLS, metabolism/ DIET/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ INTESTINES, metabolism/ KIDNEY, metabolism/ PROTEINS, metabolism/ TIBIA, drug effects/ TIBIA, metabolism/ TRITIUM, diagnostic use/ \*VITAMIN D, pharmacodynamics
1058. Eden AR, Cummings FR: Sudden bilateral hearing loss and meningitis in adults. *J Otolaryngol* 7(4):304-9, Aug 78  
ADULT/ BACTERIAL INFECTIONS, complications/ BRAIN EDEMA, drug therapy/ CA REPORT/ \*DEXAMETHASONE, therapeutic use/ FEMALE/ \*HEARING LOSS, BILATERAL, drug therapy/ HEARING LOSS, BILATERAL, etiology/ \*HEARING LOSS, PARTIAL, drug therapy/ \*HEARING LOSS, SENSORINEURAL, drug therapy/ HEARING LOSS, SENSORINEURAL etiology/ HUMAN/ MALE/ MENINGITIS, complications/ MENINGITIS, etiology/ MIDDLE AGE
1059. Edgar DH, Thoenen H: Selective enzyme induction in a ne growth factor-responsive pheochromocytoma cell line (12). *Brain Res* 154(1):186-90, 6 Oct 78  
ACTINOMYCIN, pharmacodynamics/ \*ADRENAL GLAND NEOPLASMS, enzymology/ ANIMAL/ CELL LINE/ \*CHOLINE ACETYLTRANSFERASE, biosynthesis/ DEXAMETHASONE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ NEOPLASMS, EXPERIMENTAL, enzymology/ \*NERVE GROWTH FACTOR, pharmacodynamics/ \*PHEOCHROMOCYTOMA, enzymology/ RATS/ \*TYROSINE HYDROXYLASE, biosynthesis
1060. Edgerton WD: Late complications of laparoscopic sterilization. *J Reprod Med* 21(1):41-4, Jul 78  
ADULT/ CONTRACEPTIVES, ORAL/ FEMALE FOLLOW-UP STUDIES/ HUMAN/ \*PERITONEOSCOPY, adverse effects/ \*STERILIZATION, TUBAL, adverse effects/ TUBAL FACTORS/ UTERINE HEMORRHAGE, etiology
1061. Edholm OG: Emotion and stress. pp. 3-7. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1  
AGGRESSION/ ANIMAL/ CATECHOLAMINE physiology/ \*EMOTIONS/ \*HORMONES, physiology/ MONOGRAPH/ \*STRESS, physiopathology
1062. Edmonds J: The management of rheumatoid arthritis. *Aust Fam Physician* 7(8):925-35, Aug 78  
ADRENAL CORTEX HORMONES, therapeutic use/ ANALGESICS, therapeutic use/ ANALGESICS, ANTI-INFLAMMATORY, therapeutic use/ ARTHRITIS, RHEUMATOID, drug therapy/ ARTHRITIS, RHEUMATOID, pathology/ ARTHRITIS, RHEUMATOID, surgery/ \*ARTHRTIS, RHEUMATOID, therapy/ GOLD therapeutic use/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ OCCUPATIONAL THERAPY/ ORTHOTIC DEVICES/ PATIENT education/ PENICILLAMINE, therapeutic use
1063. Edqvist LE, Kindahl H, Stabenfeldt G: Release of prostaglandin F<sub>2</sub> alpha during the bovine peripartur period. *Prostaglandins* 16(1):111-9, Jul 78  
ANIMAL/ CATTLE, blood/ \*CATTLE, metabolism/ ESTRONE, blood/ FEMALE/ GESTATIONAL AGE/ PREGNANCY/ \*PREGNANCY, ANIMAL/ PROGESTERONE, blood/ PROSTAGLANDINS blood/ \*PROSTAGLANDINS F, metabolism
1064. Eggena P, Barrett J, Samhhi M: Effect of prostaglandins and A2 on the enzymatic reaction of human renin in isolated homologous system and with added normal and hypertensive plasma. *Clin Sci Mol Med* 48 Suppl 2:307s-309s, Jun 78  
HUMAN/ HYPERTENSION, blood/ IN VITRO KINETICS/ \*PROSTAGLANDINS A, pharmacodynamics/ \*PROSTAGLANDINS E, pharmacodynamics/ \*RENIN, metabolism
1065. Eggers C, Schmitt HP, Scheffner D, et al: Die isolierte Herpes-simplex-Enzephalitis (HSE) im Kindesalter. *Klin Paed* 190(5):479-93, Sep 78 (Eng. Abstr.) (Ger)  
ANTIBODIES, VIRAL, analysis/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ CYTARABINE, therapeutic use/ DEXAMETHASONE, therapeutic use/ ELECTROENCEPHALOGRAPHY/ ENCEPHALITIS, drug therapy/ \*ENCEPHALITIS, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ HERPES SIMPLEX, drug therapy/ \*HERPESVIRUS HUMAN/ HUMAN/ INFANT MALE/ PROGNOSIS
1066. Eibach E, Walter E: Einseitige Nierenagenesie, kombinierte Aorta duplex persistens und Skelettanomalien. *ROEF* 129(3):386-7, Sep 78  
ABNORMALITIES, MULTIPLE, radiography/



## AUTHOR SECTION

- ADULT/ \*AORTA, abnormalities/ \*BONE AND BONES, abnormalities/ CASE REPORT/ HUMAN/ \*KIDNEY, abnormalities/ MALE
1067. Eichberg J, Hauser G: A rapid biosynthetic method for the preparation of radioactive phosphatidyl-CMP(CDP-diacylglycerol) of high specific activity. *J Lipid Res* 19(6):778-83, Aug 78  
ANIMAL/ \*CYTIDINE DIPHOSPHATE DIGLYCERIDES, biosynthesis/ CYTIDINE DIPHOSPHATE DIGLYCERIDES, isolation & purification/ CYTIDINE, metabolism/ ISOTOPE LABELING/ \*NUCLEOSIDE DIPHOSPHATE SUGARS, biosynthesis/ PHOSPHORUS RADIOISOTOPES/ PINEAL BODY, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  1068. Eighmy JJ, Williams CH, Anderson RR: The fulminant hyperthermia-stress syndrome: plasma thyroxine and triiodothyronine levels in susceptible and normal pigs and man. pp. 161-73.  
In: Aldrete JA, Britt BA, ed. *Malignant hyperthermia*. New York, Grune & Stratton, 1978. W3 IN919GK 1977s.  
ANESTHESIA/ ANIMAL/ HALOTHANE/ HUMAN/ \*MALIGNANT HYPERTHERMIA, blood/ MALIGNANT HYPERTHERMIA, familial & genetic/ MONOGRAPH/ SWINE/ \*THYROXINE, blood/ TIME FACTORS/ TRIIODOTHYRONINE, blood
  1069. Einhorn LH, Williams SD: Combination chemotherapy with cis-dichlorodiammineplatinum(II) and adriamycin for testicular cancer refractory to vinblastine plus bleomycin. *Cancer Treat Rep* 62(9):1351-3, Sep 78  
BLEOMYCIN, therapeutic use/ \*CHORIOCARCINOMA, drug therapy/ \*DIAMMONIUM CHLOROPLATINUM COMPOUNDS, therapeutic use/ \*DOXORUBICIN, therapeutic use/ DRUG EVALUATION/ DRUG RESISTANCE/ DRUG THERAPY, COMBINATION/ HUMAN/ MALE/ \*PLATINUM DIAMMINODICHLORIDE, therapeutic use/ \*TERATOID TUMOR, drug therapy/ \*TESTICULAR NEOPLASMS, drug therapy/ VINBLASTINE, therapeutic use
  1070. Eisenstadt HB: Aseptic necrosis of bone [letter] *Arch Intern Med* 138(10):1580, Oct 78  
ADRENAL CORTIX HORMONES, adverse effects/ ADULT/ HUMAN/ MALE/ \*OSTEONECROSIS, etiology
  1071. Elattar TM: Prostaglandins: physiology, biochemistry, pharmacology and clinical applications. *J Oral Pathol* 7(4):175-207, Aug 78 (0 ref.)  
ADIPOSE TISSUE, metabolism/ ANIMAL/ ANTI-INFLAMMATORY AGENTS/ ARACHIDONIC ACIDS, metabolism/ BLOOD CELLS, metabolism/ BONE MARROW, cytology/ CHEMISTRY/ CHEMOTAXIS, LEUKOCYTE/ ENDOCRINE GLANDS, physiology/ FIBROBLASTS, metabolism/ HUMAN/ HYPEREMIA/ INFLAMMATION/ MUSCLE CONTRACTION/ MUSCLE, SMOOTH, physiology/ NOMENCLATURE/ PLATELET AGGREGATION/ PROSTAGLANDIN ANTAGONISTS/ PROSTAGLANDIN ENDOPEROXIDES, metabolism/ \*PROSTAGLANDINS/ PROSTAGLANDINS, metabolism/ PROSTAGLANDINS, pharmacodynamics/ PROSTAGLANDINS, physiology/ RECEPTORS, PROSTAGLANDIN/ REVIEW/ THROMBOXANES, metabolism
  1072. Eldevik OP, Houghton VM, Ho KC, et al: Ineffectiveness of prophylactic intrathecal methylprednisolone in myelography with aqueous media. *Radiology* 129(1):99-101, Oct 78  
ANIMAL/ \*ARACHNOIDITIS, prevention & control/ DRUG EVALUATION/ INJECTIONS, INTRATHECAL/ MACACA/ \*MEGLUMINE IOTHALAMATE, adverse effects/ METHYLPREDNISOLONE, administration & dosage/ \*METHYLPREDNISOLONE, therapeutic use/ MONKEYS/ \*MYELOGRAPHY, adverse effects
  1073. Eldor A, Hershko C, Bruchim A: Androgen-responsive aplastic anemia in a dog. *J Am Vet Med Assoc* 173(3):304-5, 1 Aug 78  
ANEMIA, APLASTIC, drug therapy/ \*ANEMIA, APLASTIC, veterinary/ ANIMAL/ BLOOD TRANSFUSION, veterinary/ \*DOG DISEASES, drug therapy/ DOGS/ MALE/ \*OXYMETHOLONE, therapeutic use/ PREDNISOLONE, therapeutic use
  1074. Elias AN, Pinals RS, Anderson HC, et al: Hereditary osteodysplasia with acro-osteolysis. (The Hajdu-Cheney syndrome). *Am J Med* 65(4):627-36, Oct 78  
ADOLESCENCE/ ADULT/ BONE AND BONES, pathology/ \*BONE RESORPTION, familial & genetic/ CASE REPORT/ CHILD/ FEMALE/ FINGERS/ HAND, radiography/ HUMAN/ MALE/ \*OSTEOLYSIS, familial & genetic/ OSTEOLYSIS, pathology/ OSTEOLYSIS, radiography/ PEDIGREE/ SKULL, radiography/ SYNDROME/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  1075. Elias PM, Goerke J, Friend DS, et al: Freeze-fracture identification of sterol-digitonin complexes in cell and liposome membranes. *J Cell Biol* 78(2):577-96, Aug 78  
ADRENAL GLANDS, ultrastructure/ ANIMAL/ \*CELL MEMBRANE, ultrastructure/ \*CHOLESTEROL, analysis/ \*DIGITONIN/ EPIDIDYMIS, ultrastructure/ \*ERYTHROCYTE MEMBRANE, ultrastructure/ \*ERYTHROCYTES, ultrastructure/ FREEZE FRACTURING/ GUINEA PIGS/ HUMAN/ \*LIPOSOMES, analysis/ LIVER, ultrastructure/ MALE/ MICE/ SKIN, ultrastructure/ SPERMATOZOA, ultrastructure/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  1076. Elis J, Sechserová M, Stribrný J, et al: The distribution of sodium salicylate in the human fetus. *Int J Clin Pharmacol Biopharm* 16(8):365-7, Aug 78  
ADULT/ FEMALE/ \*FETUS, metabolism/ HUMAN/ MALE/ MATERNAL-FETAL EXCHANGE/ PLACENTA, metabolism/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY/ SALICYLATES, blood/ SALICYLATES, metabolism/ \*SODIUM SALICYLATE, metabolism/ TIME FACTORS
  1077. Elkhoully AE: Effect of quenching agents on the activity of nystatin against *Candida albicans*. *Mykosen* 21(9):300-6, Sep 78  
\*CANDIDA ALBICANS, drug effects/ CHOLESTEROL, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ \*NYSTATIN, antagonists & inhibitors/ NYSTATIN, pharmacodynamics/ PHOSPHATIDYLCHOLINES, pharmacodynamics/ POLYSORBATES, pharmacodynamics
  1078. Ell PJ, Deacon J, Al-Baghdadi T: Imaging: radioisotope imaging of bone. *Br J Hosp Med* 20(2):149-54, Aug 78  
ADENOCARCINOMA, radionuclide imaging/ ADULT/ \*BONE AND BONES, radionuclide imaging/ BONE NEOPLASMS, radionuclide imaging/ BREAST NEOPLASMS, radionuclide imaging/ CASE REPORT/ CHILD/ CHONDROSARCOMA, radionuclide imaging/ DYSCHONDROPLASIA, radionuclide imaging/ FEMALE/ HUMAN/ LUNG NEOPLASMS, radionuclide imaging/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ RENAL OSTEODYSSTROPHY, radionuclide imaging
  1079. Elliot JC, Phalen RF: Influence of steroid aerosol treatments on the clearance of inhaled gold particles. *Steroids* 31(6):761-9, Jun 78  
AEROSOLS/ ANIMAL/ DRUG INTERACTIONS/ FEMALE/ \*GOLD, metabolism/ HALF-LIFE/ RATS/ TIME FACTORS/ \*TRIAMCINOLONE ACETONIDE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  1080. Elliott HR, Abdulla U, Hayes PJ: Pulmonary oedema associated with ritodrine infusion and betamethasone administration in premature labour. *Br Med J* 2(6140):799-800, 16 Sep 78  
BETAMETHASONE, administration & dosage/ \*BETAMETHASONE, adverse effects/ CASE REPORT/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ \*LABOR, PREMATURE, complications/ PREGNANCY/ \*PROPANOLAMINES, adverse effects/ \*PULMONARY EDEMA, chemically induced/ PULMONARY EDEMA, complications/ RITODRINE, administration & dosage/ \*RITODRINE, adverse effects
  1081. Ellis LC, Buhrley LE Jr: Inhibitory effects of melatonin,

# AUTHOR SECTION

- prostaglandin E1, cyclic AMP, dibutyrylcyclic AMP and theophylline on rat seminiferous tubular contractility in vitro. Biol Reprod 19(1):217-22, Aug 78
- \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ \*DIBUTYRYL CYCLIC AMP, pharmacodynamics/ MALE/ \*MELATONIN, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ \*PROSTAGLANDINS E, pharmacodynamics/ RATS/ \*SEMINIFEROUS TUBULES, drug effects/ SEMINIFEROUS TUBULES, physiology/ \*TESTIS, drug effects/ \*THEOPHYLLINE, pharmacodynamics
1082. Ellison ML, Hillyard CJ, Bloomfield GA, et al: Ectopic hormone production by bronchial carcinomas in culture. Clin Endocrinol (Oxf) 5 Suppl:397S-406S, 1976
- ADENOCARCINOMA, metabolism/ \*BRONCHIAL NEOPLASMS, metabolism/ CALCITONIN, biosynthesis/ CALCITONIN, metabolism/ CARCINOEMBRYONIC ANTIGEN, biosynthesis/ CARCINOID TUMOR, metabolism/ CARCINOMA, OAT CELL, metabolism/ CELLS, CULTURED/ CORTICOTROPIN, biosynthesis/ CORTICOTROPIN, metabolism/ \*HORMONES, ECTOPIC, biosynthesis/ HORMONES, ECTOPIC, metabolism/ HUMAN/ RADIOIMMUNOASSAY/ TISSUE CULTURE
1083. El'tsina NV: Retseptory éstrogenov molochnykh zhelez cheloveka. Vopr Onkol 24(8):108-15, 1978 (31 ref.) (Rus)
- \*BREAST NEOPLASMS, analysis/ BREAST NEOPLASMS, therapy/ \*BREAST, analysis/ CARRIER PROTEINS, analysis/ CARRIER PROTEINS, metabolism/ CHEMISTRY/ COMPARATIVE STUDY/ CYTOSOL, analysis/ ESTRADIOL, metabolism/ FEMALE/ HUMAN/ NEOPLASM METASTASIS/ NEOPLASMS, HORMONE-DEPENDENT, analysis/ PROTEIN BINDING/ \*RECEPTORS, ESTROGEN, analysis/ RECEPTORS, ESTROGEN, metabolism/ REVIEW
1084. El'tsova ZI, Komendantova MV, Milogradova GP: Deistvie morfina i amidopirina na fone mineralokortikoidnogo gormona i ego antagonista. Farmakol Toksikol 41(5):541-4, Sep-Oct 78 (Eng. Abstr.) (Rus)
- ADRENAL GLAND HYPERFUNCTION, chemically induced/ \*AMINOPYRINE, pharmacodynamics/ ANALGESIA/ ANIMAL/ BEHAVIOR, ANIMAL, drug effects/ DESOXYCORTICOSTERONE, antagonists & inhibitors/ \*DESOXYCORTICOSTERONE, pharmacodynamics/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ \*MORPHINE, pharmacodynamics/ RATS/ \*SPIRONOLACTONE, pharmacodynamics/ TIME FACTORS
1085. Ely DL, Henry JP: Neuroendocrine response patterns in dominant and subordinate mice. Horm Behav 10(2):156-69, Apr 78
- \*ADRENAL CORTEX, physiology/ ADRENAL GLANDS, enzymology/ \*ADRENAL MEDULLA, physiology/ ANIMAL/ \*BEHAVIOR, ANIMAL, physiology/ CORTICOSTERONE, blood/ CORTICOTROPIN, diagnostic use/ \*DOMINANCE-SUBORDINATION/ FEMALE/ MALE/ MICE/ MICE, INBRED CBA/ ORGAN WEIGHT/ \*PITUITARY GLAND, physiology/ \*SOCIAL DOMINANCE/ \*SYMPATHETIC NERVOUS SYSTEM, physiology/ TRANSFERASES, metabolism/ TYROSINE HYDROXYLASE, metabolism/ UNITED STATES GOV'T SUPPORTED
1086. Emel'ianov NA, Rakitskaia VV, Bagaeva TR: Vlianie gidrokortizona na sodержanie i raspredelenie natriia i kaliia v srezakh gippokampa krysa. Probl Endokrinol (Mosk) 24(5):87-91, Sep-Oct 78 (Eng. Abstr.) (Rus)
- ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ \*HIPPOCAMPUS, drug effects/ HIPPOCAMPUS, metabolism/ \*HYDROCORTISONE, pharmacodynamics/ MALE/ NEURONS, drug effects/ NEURONS, metabolism/ \*POTASSIUM, metabolism/ RATS/ \*SODIUM, metabolism/ TIME FACTORS
1087. Emin M, Dubiski S, Cinader B: Effect of cyclic nucleotides, isoproterenol and cholera toxin on DNA synthesis triggered by mitogens. Scand J Immunol 8(2):119-25, 1978
- \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ \*CHOLERA TOXIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, IMMUNOLOGIC/ \*DNA, biosynthesis/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ \*ISOPROTERENOL, pharmacodynamics/ LYMPHOCYTE TRANSFORMATION/ MITOGENS, pharmacodynamics/ RABBITS
1088. Emmertsen K: Jodidorganifikationsdefekt som årsag til kong hypothyreose hos en 24-årig mand. Ugeskr Laeger 140(38):2304-6, 18 Sep 78 (Eng. Abstr.) (D)
- ADULT/ CASE REPORT/ CONSANGUINITY/ ENGLISH ABSTRACT/ GOITER, congenital/ GOITER, familial & genetic/ HUMAN/ \*HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, familial & genetic/ \*IODIDE metabolism/ MALE/ METABOLISM, INBORN ERRORS, familial & genetic/ \*METABOLISM, INBORN ERRORS, metabolism
1089. Enami J, Nandi S: Secretion of casein in cultures of mammary epithelial cells on floating collagen gels. J Dairy Sci 61(6):729-32, Jun 78
- ANIMAL/ \*CASEIN, secretion/ CELL DIFFERENTIATION/ CELLS, CULTURED/ COLLAGEN/ CULTURE MEDIA/ DRUG SYNERGISM/ EPITHELIUM, cytology/ EPITHELIUM, drug effects/ EPITHELIUM, secretion/ FEMALE/ \*HYDROCORTISONE, pharmacodynamics/ \*INSULIN, pharmacodynamics/ \*MAMMAE, secretion/ MICE/ PREGNANCY/ \*PROLACTIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1090. Endres P, Roeren TK, Schönen J, et al: Untersuchungen Frage einer cAMP-Rhythmik im Plasma. Prax Klin Pneumol 32(9):613-5, Sep 78 (Eng. Abstr.) (G)
- \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ADOLESCENCE/ ADULT/ \*CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ POSTURE
1091. Engberg S, Gustavson KH, Jacobsson L: Screening för kongenital hypothyreos hos nyfödda i Västerbottens län. Lakartidningen 75(35):2954-6, 30 Aug 78 (Eng. Abstr.) (S)
- ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, occurrence/ INFANT/ INFANT, NEWBORN/ MASS SCREENING/ SWEDEN/ THYROTROPIN, blood
1092. Engbring NH: Hyperparathyroidism vs arteriovenous fistula cause of 'clubbing' [letter] JAMA 240(20):2152, 10 Nov 78
- \*ARTERIOVENOUS SHUNT, SURGICAL, adverse effects/ HUMAN/ \*HYPERPARATHYROIDISM complications/ \*OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC, etiology
1093. Engel LW, Young NA, Tralka TS, et al: Establishment and characterization of three new continuous cell lines derived from human breast carcinomas. Cancer Res 38(10):3352-5, Oct 78
- BREAST NEOPLASMS, familial & genetic/ BREAST NEOPLASMS, metabolism/ \*BREAST NEOPLASMS, pathology/ CASEIN, biosynthesis/ CELL DIVISION/ CELL LINE/ CHROMOSOME ABERRATIONS/ FEMALE/ HUMAN/ KINETICS/ LACTALBUMIN biosynthesis/ MICROSCOPY, ELECTRON/ NEOPLASMS, EXPERIMENTAL, pathology/ NEOPLASMS, HORMONE-DEPENDENT, metabolism/ RECEPTORS, STEROID/ THYMIDINE, metabolism
1094. Engel LW, Young NA: Human breast carcinoma cells in continuous culture: a review. Cancer Res 38(11 Pt 2):4327-37, Nov 78 (116 ref.)
- ANIMAL/ BREAST NEOPLASMS, familial & genetic/ BREAST NEOPLASMS, metabolism/ \*BREAST NEOPLASMS, pathology/ CASEIN, biosynthesis/ CELL LINE/ CHROMOSOMES, HUMAN/ HUMAN/ LACTALBUMIN, biosynthesis/ MICE/ MICE, NUDE/ NEOPLASM TRANSPLANTATION/ NEOPLASMS, EXPERIMENTAL, pathology/ \*NEOPLASMS, HORMONE-DEPENDENT, pathology/ ORGAN SPECIFICITY/ RECEPTORS, HORMONE/ REVIEW/ SPECIES SPECIFICITY/ TRANSPLANTATION, HETEROLOGOUS



## AUTHOR SECTION

95. Engel S, Götz F, Stahl F, et al: Beeinflussung der männlichen Fertilität und Sexualität durch oral wirksame Antiandrogene bei Ratte und Mensch. *Dermatol Monatsschr* 164(8):584-7, Aug 78 (Eng. Abstr.) (Ger)  
 \*ANDROGEN ANTAGONISTS, pharmacodynamics/ ANIMAL/ CHLORMADINONE, pharmacodynamics/ CYPROTERONE, pharmacodynamics/ ENGLISH ABSTRACT/ \*FERTILITY, drug effects/ HUMAN/ MALE/ RATS/ \*SEX BEHAVIOR, drug effects
96. Engelhard VH, Glaser M, Storm DR: Effect of membrane phospholipid compositional changes on adenylate cyclase in LM cells. *Biochemistry* 17(16):3191-200, 8 Aug 78  
 \*ADENYL CYCLASE, metabolism/ CALORIMETRY/ CELL LINE/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ CHOLINE, pharmacodynamics/ ETHANOLAMINES, pharmacodynamics/ FATTY ACIDS, pharmacodynamics/ KINETICS/ \*MEMBRANE LIPIDS, physiology/ \*PHOSPHOLIPIDS, physiology/ PROSTAGLANDINS E, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
97. Engelholm SA, Hansen HS, Walbom-Jørgensen S: Megavoltbehandling af seminoma testis i stadium I og II. *Ugeskr Laeger* 140(42):2567-9, 16 Oct 78 (Eng. Abstr.) (Dan)  
 ADOLESCENCE/ ADULT/ DYSGERMINOMA, mortality/ \*DYSGERMINOMA, radiotherapy/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ MIDDLE AGE/ RADIOTHERAPY, HIGH ENERGY/ TESTICULAR NEOPLASMS, mortality/ \*TESTICULAR NEOPLASMS, radiotherapy
98. Engelholm SA, Hansen HS, Walbom-Jørgensen S: Megavoltbehandling og adjuverende kemoterapi af non-seminomatøse testistumorer. *Ugeskr Laeger* 140(42):2569-72, 16 Oct 78 (Eng. Abstr.) (Dan)  
 ANTIBIOTICS, ANTINEOPLASTIC, therapeutic use/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ RADIOTHERAPY, HIGH ENERGY/ TESTICULAR NEOPLASMS, drug therapy/ TESTICULAR NEOPLASMS, mortality/ \*TESTICULAR NEOPLASMS, radiotherapy
99. Engelmann C: Lungentransplantationen in der Klinik. *Z Erkr Atmungsorgane* 150(3):255-67, Mar 78 (Ger)  
 AZATHIOPRINE, therapeutic use/ GRAFT REJECTION, drug effects/ GRAFT REJECTION, radiation effects/ \*LUNG, transplantation/ PREDNISOLONE, therapeutic use/ \*TRANSPLANTATION, HOMOLOGOUS
100. Engineer DM, Jose PJ, Piper PJ, et al: Modulation of slow-reacting substance of anaphylaxis and histamine release by prostacyclin and thromboxanes [proceedings] *J Physiol (Lond)* 281:42P, Aug 78  
 ANIMAL/ GUINEA PIGS/ \*HISTAMINE LIBERATION, drug effects/ IN VITRO/ \*LUNG, secretion/ \*PROSTAGLANDINS X, pharmacodynamics/ \*PROSTAGLANDINS, pharmacodynamics/ SECRETORY RATE, drug effects/ \*SRS-A, secretion/ \*THROMBOXANE B2, pharmacodynamics/ \*THROMBOXANES, pharmacodynamics
101. Engström C, Jontell M, Linde A: Odontoblast metabolism in rats deficient in vitamin D and calcium. III. Protein synthesis in vitro. *J Oral Pathol* 7(4):227-35, Aug 78  
 ANIMAL/ BODY WEIGHT/ CALCIUM, blood/ \*CALCIUM, deficiency/ CELLS, CULTURED/ FUCOSE, metabolism/ LEUCINE, metabolism/ MALE/ \*ODONTOBLASTS, metabolism/ PHOSPHATES, blood/ PROLINE, metabolism/ \*PROTEINS, biosynthesis/ RATS/ \*VITAMIN D DEFICIENCY, metabolism
102. Eninia GI, Smeltere ES, Rundans RIA: Osobennosti vliianiia droperidola na pokazateli mozgovogo krovobrashcheniia pri tserebral'nykh gemodistsirkuliatsiakh. *Zh Nevropatol Psikhiatr* 78(8):1146-9, 1978 (Eng. Abstr.) (Rus)  
 BLOOD PRESSURE/ \*CEREBRAL ARTERIOSCLEROSIS, drug therapy/ CEREBRAL ARTERIOSCLEROSIS, physiopathology/ \*CEREBRAL HEMORRHAGE, drug therapy/ CEREBROVASCULAR CIRCULATION/ DEXAMETHASONE, therapeutic use/ DROPERIDOL, administration & dosage/ \*DROPERIDOL, therapeutic use/ ENGLISH ABSTRACT/ HUMAN/ PLETHYSMOGRAPHY, IMPEDANCE
1103. Ennever J, Vogel JJ, Riggan LJ: Phospholipids of a bone matrix calcification nucleator. *J Dent Res* 57(5-6):731-4, May-Jun 78  
 ACTINOMYCETACEAE, analysis/ ANIMAL/ \*BONE MATRIX, analysis/ BONE MATRIX, physiology/ CALCIFICATION, PHYSIOLOGIC/ MARMOSETS/ MONKEYS/ PHOSPHATIDYL SERINES, analysis/ PHOSPHOINOSITIDES, analysis/ \*PHOSPHOLIPIDS, analysis/ PHOSPHOLIPIDS, physiology/ \*PROTEOLIPIDS, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1104. Epstein PM, Silverman PM: Induction of cyclic AMP phosphodiesterase in *Blastocladiella emersonii* and its relation to cyclic AMP metabolism. *J Bacteriol* 135(3):968-75, Sep 78  
 \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ \*BLASTOCLADIELLA, enzymology/ BLASTOCLADIELLA, physiology/ ENZYME INDUCTION/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ NUCLEOTIDES, CYCLIC, metabolism/ \*PHYCOMYCETES, enzymology/ SPORES, FUNGAL, enzymology/ SPORES, FUNGAL, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*3',5'-CYCLIC AMP PHOSPHODIESTERASE, biosynthesis/ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism
1105. Erbe W, Wenzel E: Right-ovarian-vein-Syndrome bei angiographisch unauffälliger Vena ovarica? *ROEFO* 129(2):277-8, Aug 78 (Ger)  
 CASE REPORT/ FEMALE/ HUMAN/ MIDDLE AGE/ \*OVARY, blood supply/ SYNDROME/ \*URETERAL OBSTRUCTION, radiography/ VASCULAR DISEASES, complications/ VEINS
1106. Erenpreisa EA: Metodika okraski polovogo khromatina metilenovym sinim. *Lab Delo* (9):530-2, 1978 (Eng. Abstr.) (Rus)  
 ENGLISH ABSTRACT/ HUMAN/ \*METHYLENE BLUE/ \*SEX CHROMATIN, analysis/ STAINS AND STAINING, methods
1107. Ericsson M, Holm E, Ingemansson S, et al: Secondary hyperparathyroidism combined with uremia and giant cell containing tumor of the cervical spine. A case report. *Scand J Urol Nephrol* 12(2):185-7, 1978  
 CASE REPORT/ CERVICAL VERTEBRAE, pathology/ FEMALE/ \*GIANT CELL TUMORS, complications/ GIANT CELL TUMORS, pathology/ GIANT CELL TUMORS, surgery/ HUMAN/ \*HYPERPARATHYROIDISM, SECONDARY, complications/ HYPERPARATHYROIDISM, SECONDARY, pathology/ HYPERPARATHYROIDISM, SECONDARY, surgery/ MIDDLE AGE/ PARATHYROID GLANDS, surgery/ \*SPINAL NEOPLASMS, complications/ SPINAL NEOPLASMS, pathology/ SPINAL NEOPLASMS, surgery/ \*UREMIA, complications
1108. Eridani S, Burdick L, Maggio L, et al: Combined chemotherapy for unresectable carcinoma of the lung: a randomized trial. *Int J Clin Pharmacol Biopharm* 16(10):482-5, Oct 78  
 ADULT/ AGED/ \*ANTINEOPLASTIC AGENTS, therapeutic use/ BLEOMYCIN, therapeutic use/ \*CARCINOMA, drug therapy/ CARCINOMA, OAT CELL, drug therapy/ CARMUSTINE, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ DOXORUBICIN, therapeutic use/ DRUG THERAPY, COMBINATION/ HUMAN/ \*LUNG NEOPLASMS, drug therapy/ MIDDLE AGE/ PREDNISONE, therapeutic use/ VINCRIStINE, therapeutic use
1109. Erkocak EU, Taylor S: Hyperparathyroidism after radiotherapy. *Br Med J* 2(6133):327-8, 29 Jul 78  
 AGED/ CASE REPORT/ HUMAN/ \*HYPERPARATHYROIDISM, etiology/ MALE/ NECK/ \*RADIOTHERAPY, adverse effects
1110. Ermshar CL, Gusseck DJ: Use of polyethylene glycol in radioimmunoassay of human placental lactogen. *Clin Chem* 24(10):1767-0, Oct 78  
 ANTIBODY SPECIFICITY/ COMPARATIVE

# AUTHOR SECTION

- STUDY/ HUMAN/ \*PLACENTAL LACTOGEN, analysis/ PLACENTAL LACTOGEN, blood/ \*POLYETHYLENE GLYCOLS/ RADIOIMMUNOASSAY, methods/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1111. Ertevsian LN, Vavilin GI, Butorin EP: Sostoianie gipotalamo-gipofizarno-nadpochechnikovoi sistemy u krolikov, zarazhennykh tuberkulezom i lechennykh etimizolom. Probl Tuberk (8):70-5, Aug 78 (Eng. Abstr.) (Rus)  
ANIMAL/ COMPARATIVE STUDY/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ \*ETIMIZOL, therapeutic use/ \*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ \*IMIDAZOLES, therapeutic use/ ISONIAZID, therapeutic use/ MALE/ \*PITUITARY-ADRENAL SYSTEM, physiopathology/ RABBITS/ TUBERCULOSIS, PULMONARY, drug therapy/ \*TUBERCULOSIS, PULMONARY, physiopathology
1112. Ervin S: Az ACTH elválasztás szabályozása. Orv Hetil 119(42):2543-52, 15 Oct 78 (Hun)  
CORTICOTROPIN, biosynthesis/ \*CORTICOTROPIN, secretion/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ NEUROHUMORS, physiology/ PITUITARY-ADRENAL SYSTEM, physiology
1113. Escher EH, Nguyen TM, Guillemette G, et al: Specific and irreversible block of the myotropic action of angiotensin II. Nature 275(5676):145-6, 14 Sep 78  
AFFINITY LABELS/ \*ANGIOTENSIN II, analogs & derivatives/ \*ANGIOTENSIN II, antagonists & inhibitors/ ANGIOTENSIN II, radiation effects/ ANIMAL/ AORTA/ IN VITRO/ \*MUSCLE CONTRACTION, drug effects/ RABBITS/ \*RECEPTORS, ANGIOTENSIN, drug effects/ \*RECEPTORS, HORMONE, drug effects/ ULTRAVIOLET RAYS
1114. Espinosa-Meléndez E, Levy M: Effects of simultaneous infusions of glucagon and cyclic AMP on glomerular filtration rate in the dog. Can J Physiol Pharmacol 56(4):596-602, Aug 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ DOGS/ DRUG INTERACTIONS/ FEMALE/ \*GLOMERULAR FILTRATION RATE, drug effects/ \*GLUCAGON, pharmacodynamics/ HEMORRHAGE, physiopathology/ HYPOTENSION, physiopathology/ KIDNEY, drug effects/ MALE/ THEOPHYLLINE, pharmacodynamics/ TIME FACTORS
1115. Esponda P, Stockert JC: Localization of the synaptonemal complex under the light microscope. Chromosoma 68(1):83-90, 21 Aug 78  
ANIMAL/ \*CELL NUCLEUS, ultrastructure/ CHROMOSOMES, ultrastructure/ \*CYTOLOGICAL TECHNIQUES/ MALE/ \*MEIOSIS/ MICE/ MICROSCOPY/ OSMIUM TETROXIDE, diagnostic use/ PHENYLENEDIAMINES, diagnostic use/ PLANTS, ultrastructure/ STAINS AND STAINING/ TESTIS, ultrastructure
1116. Esselstyn CB Jr, Crile G Jr: Needle aspiration and needle biopsy of the thyroid. World J Surg 2(3):321-9, May 78  
ADENOMA, pathology/ \*BIOPSY, NEEDLE/ BIOPSY, NEEDLE, methods/ CYSTS, pathology/ HUMAN/ RETROSPECTIVE STUDIES/ THYROID DISEASES, pathology/ THYROID NEOPLASMS, diagnosis/ \*THYROID NEOPLASMS, pathology
1117. Esztári I, Szikla K: In vitro gyógyszerbejutás a pulpába diffúzió útján. Fogorv Sz 71(8):247-50, Aug 78 (Eng. Abstr.) (Hun)  
ADOLESCENCE/ CHILD/ \*DENTAL PULP, drug effects/ DENTIN, drug effects/ ENGLISH ABSTRACT/ HUMAN/ \*HYDROCORTISONE, pharmacodynamics/ IN VITRO/ \*TETRACYCLINE, pharmacodynamics/ TOOTH EXTRACTION
1118. Etessami S, Le Menn F: Modifications hépatiques et élaboration des protéines vitellines, au cours de la vitellogenèse à la suite des traitements hormonaux chez Spondyliosoma cantharus L. C R Soc Biol (Paris) 172(1):43-6, 1978 (Eng. Abstr.) (Fre)  
ANIMAL/ ENGLISH ABSTRACT/ \*ESTRADIOL, pharmacodynamics/ FEMALE/ FISHES/ HISTOCYTOCHEMISTRY/ \*LIPOPROTEINS, biosynthesis/ LIVER, drug effects/ \*LIVER, metabolism/ LIVER, ultrastructure/ MALE/ \*PROGESTERONE, pharmacodynamics/ SEX FACTORS/ \*TESTOSTERONE, pharmacodynamics/ \*VITELLOGENIN, biosynthesis
1119. Etherington DJ, Evans PJ: The action of cathepsin B collagenolytic cathepsins in the degradation of collagen. Acta Biol Med Ger 36(11-12):1555-63, 1977  
ANIMAL/ \*CATHEPSINS, metabolism/ CATTLE/ \*COLLAGEN/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KINETICS/ PLACENTAL ENZYMOLOGY/ PREGNANCY/ SOLUBILITY/ SPLEEN, enzymology/ SUBSTRATE SPECIFICITY
1120. Etzioni A, Chaimowitz S: [Bartter's syndrome (editorial)] Harefuah 95(1):38-9, 2 Jul 78  
\*BARTTER'S DISEASE/ HUMAN/ \*HYPERALDOSTERONISM
1121. Evans CM, Brain PF: Effects of age at castration on testosterone induced aggression-promoting cues in male mice. Physiol Behav 21(1):19-23, Jul 78  
AGE FACTORS/ \*AGGRESSION, drug effects/ ANIMAL/ \*CASTRATION/ COMPARATIVE STUDY/ CUES/ MALE/ MICE/ SOCIAL DOMINANCE/ \*TESTOSTERONE, pharmacodynamics
1122. Evans DH: Hormonal control of sodium transport by the teleost fish. pp. 204-9. In: Assenmacher I, Farner DS, ed. Environmental endocrinology. Berlin, Springer, 1978. WK 102.3 E61  
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIN CARRIER PROTEINS, physiology/ EPINEPHRINE, physiology/ FISHES/ \*GILLS, metabolism/ \*HORMONES, physiology/ HYDROCORTISONE, physiology/ MONOGRAPH/ OXYTOCIN, analogs & derivatives/ OXYTOCIN, physiology/ PROLACTIN, physiology/ SEAWATER/ \*SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED
1123. Evans FG: Relations between torsion properties and histology of adult human compact bone. J Biomech 11(4):157-65  
AGED/ \*BONE AND BONES, anatomy & histology/ BONE AND BONES, physiology/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ STRESS, MECHANICAL/ TORSION/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1124. Evans MH: Potentiation of a cardioinhibitory reflex by hypothalamic stimulation in the rabbit. Brain Res 154(2):331-43, 13 Oct 78  
AFFERENT PATHWAYS, physiology/ ANIMAL/ AORTA, THORACIC, innervation/ BLOOD PRESSURE, drug effects/ CAROTID SINUS, innervation/ DENERVATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRIC STIMULATION/ FEMALE/ \*HEART RATE, HEART RATE, drug effects/ \*HYPOTHALAMIC STIMULATION, physiology/ MALE/ \*NEURAL INHIBITION, NEURAL INHIBITION, drug effects/ NOREPINEPHRINE, pharmacodynamics/ PRESSORECEPTORS, physiology/ RABBITS/ REFLEX, drug effects/ \*REFLEX, physiology/ RESPIRATION, drug effects
1125. Everett RB, Worley RJ, MacDonald PC, et al: Oral administration of theophylline to modify pressor responsiveness to angiotensin II in women with pregnancy-induced hypertension. Am J Obstet Gynecol 132(4):359-62, 15 Oct 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANGIOTENSIN II, administration dosage/ \*ANGIOTENSIN II, antagonists & inhibitors/ \*BLOOD PRESSURE, drug effects/ FEMALE/ HUMAN/ \*HYPERTENSION, physiopathology/ \*PREGNANCY COMPLICATIONS, CARDIOVASCULAR, physiopathology/ \*THEOPHYLLINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1126. Evill CA, Benness GT: Urographic excretion studies: preliminary results with a six-iodine, singly-ionizing salt—P.286. Invest Radiol 13(4):325-7, Jul-Aug 78  
ANIMAL/ COMPARATIVE STUDY/ \*CONTRAST MEDIA/ DOGS/ FEMALE/ IODINE, urine/ IOTHALAMIC ACID/ METRIZAMIDE/ \*UROGRAPHY, methods



# AUTHOR SECTION

1127. Ewing JA, Rouse BA: Hirsutism, race and testosterone levels: comparison of East Asians and Euroamericans. *Hum Biol* 50(2):209-15, May 78  
ADOLESCENCE/ ADULT/ \*CAUCASOID RACE/ COMPARATIVE STUDY/ FEMALE/ \*HAIR/ HUMAN/ MALE/ \*MONGOLOID RACE/ SEX FACTORS/ \*TESTOSTERONE, blood

## F

1128. Fabiato A, Fabiato F: Calcium-induced release of calcium from the sarcoplasmic reticulum of skinned cells from adult human, dog, cat, rabbit, rat, and frog hearts and from fetal and new-born rat ventricles. *Ann NY Acad Sci* 307:491-522, 28 Apr 78 (51 ref.)

ACTION POTENTIALS, drug effects/ ANIMAL/ ANIMALS, NEWBORN/ CAFFEINE, pharmacodynamics/ \*CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CATS/ DOGS/ FROGS/ HEART VENTRICLE, embryology/ \*HEART VENTRICLE, metabolism/ HUMAN/ IN VITRO/ MYOCARDIAL CONTRACTION, drug effects/ OXALATES, pharmacodynamics/ RABBITS/ RATS/ REVIEW/ SARCOPLASMIC RETICULUM, drug effects/ \*SARCOPLASMIC RETICULUM, metabolism/ SPECIES SPECIFICITY/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1129. Fabre C, Signoret JP: Comparaison de l'effet sur le comportement sexuel mâle du benzoate d'oestradiol et du propionate de dihydrotestostérone à celui du propionate de testostérone chez la Brebis adulte ovariectomisée. *C R Acad Sci [D] (Paris)* 286(21):1527-30, 29 May 78 (Eng. Abstr.) (Fre)

ANIMAL/ CASTRATION/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ \*ESTRADIOL, pharmacodynamics/ MALE/ \*SEX BEHAVIOR, ANIMAL, drug effects/ SEX FACTORS/ SHEEP/ \*STANOLONE, pharmacodynamics/ \*TESTOSTERONE, pharmacodynamics

1130. Faed MJ, Lamont M, Morton HG, et al: An XYY boy with short stature and a case of Klinefelter's syndrome (XXY) in a family with inversion 9. *Clin Genet* 14(4):241-5, Oct 78

ADOLESCENCE/ BEHAVIOR/ CASE REPORT/ \*CHROMOSOMES, HUMAN, 6-12/ CONSANGUINITY/ GROWTH DISORDERS, familial & genetic/ HUMAN/ \*INVERSION (GENETICS)/ \*KLINEFELTER'S SYNDROME, familial & genetic/ MALE/ MENTAL DISORDERS, familial & genetic/ MIDDLE AGE/ PEDIGREE/ \*SEX CHROMOSOME ABNORMALITIES, familial & genetic/ \*XYY KARYOTYPE, familial & genetic

1131. Fagard R, Lijnen P, Amery A, et al: Effects of 1-sar-8-ala-angiotensin II on arterial pressure, renin and aldosterone in hypertension. *Contrib Nephrol* 11:175-8, 1978  
ADULT/ \*ALDOSTERONE, blood/ \*ANGIOTENSIN II, analogs & derivatives/ \*BLOOD PRESSURE, drug effects/ DIET/ FEMALE/ HUMAN/ HYPERTENSION, blood/ HYPERTENSION, enzymology/ \*HYPERTENSION, physiopathology/ MALE/ \*RENIN, blood/ \*SARALASIN, pharmacodynamics/ SODIUM

1132. Fagard R, Amery A, Reybrouck T, et al: Effects of angiotensin antagonism at rest and during exercise in sodium-deplete man. *J Appl Physiol* 45(3):403-7, Sep 78  
\*ANGIOTENSIN II, analogs & derivatives/ \*BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/ EPINEPHRINE, blood/ \*EXERTION/ HEMODYNAMICS, drug effects/ HUMAN/ MALE/ NOREPINEPHRINE, blood/ POSTURE/ RENIN, blood/ \*SARALASIN, pharmacodynamics/ \*SODIUM, deficiency

1133. Fahmy MH, Said M, Amara F, et al: Thyroid function in hepatic schistosomiasis. *Ann Trop Med Parasitol* 72(4):353-6, Aug 78  
ADOLESCENCE/ ADULT/ HUMAN/ \*LIVER DISEASES, PARASITIC, physiopathology/ LIVER FUNCTION TESTS/ MALE/ MIDDLE AGE/ \*SCHISTOSOMIASIS, physiopathology/ \*THYROID GLAND, physiopathology/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

1134. Fairchild SS, Cohen JJ: B lymphocyte precursors. I. Induction of lipopolysaccharide responsiveness and surface

immunoglobulin expression in vitro. *J Immunol* 121(4):1227-31, Oct 78

ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ \*B-LYMPHOCYTES, immunology/ BONE MARROW, immunology/ DNA, biosynthesis/ \*IMMUNOGLOBULINS, SURFACE/ \*LIPOPOLYSACCHARIDES, pharmacodynamics/ MALE/ MICE/ MICE, INBRED CBA/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, antagonists & inhibitors

1135. Faitel'berg-Blank VR, Perevalov GM: Selective action of decimeter waves on central brain structures. *Neurosci Behav Physiol* 8(2):172-6, Apr-Jun 77

ANIMAL/ \*BRAIN, physiology/ ELECTRIC STIMULATION/ \*ELECTROMAGNETIC FIELDS/ \*ELECTROMAGNETICS/ EVOKED POTENTIALS/ HIPPOCAMPUS, physiology/ HYPOTHALAMUS, physiology/ MESENCEPHALON, physiology/ NEURONS, physiology/ RABBITS/ THALAMIC NUCLEI, physiology

1136. Faivre-Bauman A, Grouselle D, Nemeskeri A, et al: Ontogenesis of thyroliberin in the mouse hypothalamus. *Brain Res* 154(2):382-7, 13 Oct 78

ANIMAL/ FEMALE/ HYPOTHALAMUS, analysis/ \*HYPOTHALAMUS, growth & development/ MICE/ NERVE TISSUE PROTEINS, analysis/ PREGNANCY/ RADIOIMMUNOASSAY/ RADIOLOGAND ASSAY/ THYROTROPIN RELEASING HORMONE, analysis/ \*THYROTROPIN RELEASING HORMONE, biosynthesis

1137. Fakan F: Generalizovaná varicela a herpes. *Cesk Patol* 13(3):95-100, Aug 77 (Eng. Abstr.) (Cze)

ADRENAL GLANDS, pathology/ CASE REPORT/ \*CHICKENPOX, pathology/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ \*HERPES SIMPLEX, pathology/ HUMAN/ LIVER, pathology/ MALE/ SPLEEN, pathology

1138. Falappa P, Basilico L, Bonomo L, et al: La flebografia timica selettiva. Metodica e indicazioni. *Radiol Med (Torino)* 64(3):297-305, Mar 78 (Ita)

HUMAN/ \*PHLEBOGRAPHY, methods/ THYMECTOMY/ THYMUS GLAND, blood supply/ \*THYMUS GLAND, radiography/ THYMUS GLAND, surgery/ \*THYMUS HYPERPLASIA, radiography/ \*THYMUS NEOPLASMS, radiography

1139. Falcon JC 2d, Phillips MI, Hoffman WE, et al: Effects of intraventricular angiotensin II mediated by the sympathetic nervous system. *Am J Physiol* 235(4):H392-9, Oct 78

ADRENALECTOMY/ ANGIOTENSIN II, administration & dosage/ \*ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ \*BLOOD PRESSURE, drug effects/ \*BRAIN, drug effects/ DRINKING BEHAVIOR/ HYDROXYDOPAMINE, pharmacodynamics/ INJECTIONS, INTRAVENTRICULAR/ MALE/ RATS/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ \*SYMPATHETIC NERVOUS SYSTEM, physiology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1140. Falloon I, Watt DC, Lubbe K, et al: N-acetyl-p-amino-phenol (paracetamol, acetaminophen) in the treatment of acute schizophrenia. *Psychol Med* 8(3):495-9, Aug 78

\*ACETAMINOPHEN, therapeutic use/ ACUTE DISEASE/ BODY TEMPERATURE, drug effects/ COMPARATIVE STUDY/ DIURNAL RHYTHM, drug effects/ DOUBLE-BLIND METHOD/ FEMALE/ HUMAN/ HYPOTHALAMUS, metabolism/ MALE/ PLACEBOS/ PROSTAGLANDINS E, antagonists & inhibitors/ PROSTAGLANDINS E, metabolism/ PSYCHIATRIC STATUS RATING SCALES/ \*SCHIZOPHRENIA, drug therapy

1141. Fan PT, Yu DT, Targoff C, et al: Effect of corticosteroids on the human immune response Suppression of mitogen-induced lymphocyte proliferation by 'pulse' methylprednisolone. *Transplantation* 26(4):266-7, Oct 78

CONCANAVALLIN A, pharmacodynamics/ FEMALE/ HUMAN/ \*IMMUNOSUPPRESSION/ \*LYMPHOCYTE TRANSFORMATION, drug effects/ MALE/ \*METHYLPREDNISOLONE, pharmacodynamics/ MIDDLE AGE/ \*MITOGENS,

## AUTHOR SECTION

- pharmacodynamics/ PHYTOHEMAGGLUTININS,  
pharmacodynamics/ POKEWEED MITOGENS,  
pharmacodynamics
1142. Farid NR, Barnard JM, Sampson L, et al: The HLA B w4/w6  
diallelic system in Graves' disease. *Tissue Antigens*  
11(5):394-8, May 78  
ALLELES/ \*GOITER, EXOPHTHALMIC, familial &  
genetic/ GOITER, EXOPHTHALMIC, immunology/  
HAPLOIDY/ HUMAN/ \*HL-A ANTIGENS/ HL-A  
ANTIGENS, analysis/ PHENOTYPE
1143. Farjo IB, Blackwood DH: Reduction in tyrosine hydroxylase  
activity in the rat amygdala induced by kindling stimulation.  
*Brain Res* 153(2):423-6, 22 Sep 78  
\*AMYGDALOID BODY, enzymology/ ANIMAL/  
\*CONVULSIONS, enzymology/ CORPUS  
STRIATUM, enzymology/ ELECTRIC  
STIMULATION/ EVOKED POTENTIALS/  
HYPOTHALAMUS, enzymology/ MALE/ RATS/  
\*TYROSINE HYDROXYLASE, metabolism
1144. Farman N, Kusch M, Edelman IS: Aldosterone receptor  
occupancy and sodium transport in the urinary bladder of  
*Bufo marinus*. *Am J Physiol* 235(3):C90-6, Sep 78  
\*ALDOSTERONE, metabolism/ ANIMAL/  
BIOLOGICAL TRANSPORT, ACTIVE/  
\*BLADDER, metabolism/ BUFO MARINUS/ CELL  
NUCLEUS, metabolism/ CYTOPLASM, metabolism/  
DOSE-RESPONSE RELATIONSHIP, DRUG/  
EPITHELIUM, metabolism/ FEMALE/ KINETICS/  
\*RECEPTORS, HORMONE, metabolism/ \*SODIUM,  
metabolism/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
1145. Farner DS, Wingfield JC: Environmental endocrinology and  
the control of annual reproductive cycles in passerine birds.  
pp. 44-51.  
In: Assenmacher I, Farner DS, ed. *Environmental  
endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
(51 ref.)  
ANIMAL/ \*BIRDS, physiology/ ENVIRONMENT/  
FEMALE/ HORMONES, physiology/ MALE/  
MONOGRAPH/ \*PERIODICITY/  
\*REPRODUCTION/ REVIEW/ SPECIES  
SPECIFICITY
1146. Fasolo A, Mazzi V, Franzoni MF: A Golgi study of the  
hypothalamus of *Actinopterygii*. II. The posterior  
hypothalamus. *Cell Tissue Res* 191(3):433-47, 16 Aug 78  
\*ANGUILLA, anatomy & histology/ ANIMAL/  
FEMALE/ \*FISHES, anatomy & histology/  
HISTOLOGICAL TECHNIQS/ \*HYPOTHALAMUS,  
analysis/ \*HYPOTHALAMUS, POSTERIOR, analysis/  
MALE/ \*NEURONS, cytology/ SPECIES  
SPECIFICITY
1147. Fatranská M, Vargová M, Rosival L, et al: Circadian  
susceptibility rhythms to some organophosphate compounds  
in the rat. *Chronobiologia* 5(1):39-44, Jan-Mar 78  
ANIMAL/ CHOLINESTERASES, blood/  
\*CIRCADIAN RHYTHM, drug effects/  
CORTICOSTERONE, blood/ DICHLORVOS,  
toxicity/ FEMALE/ LETHAL DOSE 50/ MALE/  
METHYL PARATHION, toxicity/  
ORGANOPHOSPHORUS COMPOUNDS,  
metabolism/ \*ORGANOPHOSPHORUS  
COMPOUNDS, toxicity/  
ORGANOTHIOPHOSPHORUS COMPOUNDS,  
toxicity/ RATS
1148. Favino A: Concentrations of certain hormones in the blood  
of human males subjected to steady-state noise. pp. 270-3.  
In: Assenmacher I, Farner DS, ed. *Environmental  
endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
\*ADRENAL CORTEX HORMONES, blood/  
ADULT/ HUMAN/ MALE/ MONOGRAPH/  
\*NOISE/ \*PROLACTIN, blood/ \*SOMATOTROPIN,  
blood/ \*THYROTROPIN, blood/ \*THYROXINE,  
blood
1149. Fawns HT: Vitamin D and rickets. *Nurs Times* 74(40):1648-51,  
5 Oct 78  
ADOLESCENCE/ DIET/ HUMAN/ INFANT/  
MALE/ \*RICKETS, prevention & control/  
\*VITAMIN D, therapeutic use
1150. Fawwaz RA: Systematically administered compounds for  
lymphatic ablation. pp. 193-204.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New  
York, Grune & Stratton, 1978. WN 450 T398 1977.  
ANIMAL/ AUTORADIOGRAPHY/ DOGS/  
\*GRAFT SURVIVAL, radiation effects/  
HEMAGGLUTINATION TESTS/  
IMMUNOSUPPRESSION/ LYMPH NODES,  
cytology/ \*LYMPH NODES, radiation effects/  
MONOGRAPH/ PALLADIUM/  
PROTOPORPHYRINS/ RADIOISOTOPES/ SEX  
CHROMOSOMES/ SKIN, transplantation/ SKIN,  
ultrastructure/ TRANSPLANTATION,  
HOMOLOGOUS/ UNITED STATES GOV'T  
SUPPORTED
1151. Favez JA: The pure gonadal dysgenesis syndrome.  
*Int J Gynaecol Obstet* 15(6):550-3, 1978  
ADOLESCENCE/ ADULT/ CASE REPORT/  
CHROMOSOMES, HUMAN, 16-18/ ESTROGENS,  
therapeutic use/ FEMALE/ GONADS, pathology/  
HUMAN/ KARYOTYPING/ \*SEX CHROMOSOMES,  
ABNORMALITIES, diagnosis/ \*SEX  
CHROMOSOMES/ \*TURNER'S SYNDROME,  
diagnosis/ TURNER'S SYNDROME, drug therapy/  
TURNER'S SYNDROME, pathology
1152. Fedianin IuP: Vliianie glukokortikoidov na biokhimicheski  
pokazateli aktivnosti mezenkhimy pecheni v raznye fazy  
techeniya ostrogo virusnogo gepatita. *Ter Arkh* 50(10):70-  
1978 (R)  
ACUTE DISEASE/ ADOLESCENCE/ ADULT/  
AGED/ CLINICAL RESEARCH/ DRUG  
EVALUATION/ FEMALE/ FUCOSE, blood/  
\*GLUCOCORTICOIDS, SYNTHETIC, therapeutic  
use/ \*HEPATITIS, VIRAL, HUMAN, drug therapy/  
HEXOSES, blood/ HUMAN/ \*LIVER, drug effects/  
MALE/ MIDDLE AGE/ PREDNISOLONE,  
administration & dosage/ TIME FACTORS
1153. Feeney JG, Craig GA, Hancock KW: Pregnancy and Nelson  
syndrome. Two case reports. *Br J Obstet Gynaecol*  
85(9):715-8, Sep 78  
ADULT/ CASE REPORT/ DIABETES INSIPIDUS,  
complications/ FEMALE/ HUMAN/ \*NELSON  
SYNDROME, complications/ \*PITUITARY  
NEOPLASMS, complications/ PREGNANCY IN  
DIABETES, complications/ \*PREGNANCY  
COMPLICATIONS/ PREGNANCY
1154. Feiner H: Electron microscopy of neoplasms of pancreatic islet  
cells. *J Dermatol Surg Oncol* 4(10):751-7, Oct 78  
CARCINOID TUMOR, ultrastructure/  
CYTOPLASMIC GRANULES, ultrastructure/  
GLUCAGON, secretion/ HORMONES, ECTOPIC  
secretion/ HUMAN/ INSULIN, secretion/ ISLET  
CELL TUMOR, secretion/ \*ISLET CELL TUMOR,  
ultrastructure/ MICROSCOPY, ELECTRON/  
PANCREATIC NEOPLASMS, etiology/  
PANCREATIC NEOPLASMS, secretion/  
\*PANCREATIC NEOPLASMS, ultrastructure/  
SYNDROME
1155. Feinstein MB: The role of calcium in blood platelet function.  
pp. 197-239.  
In: Weiss GB, ed. *Calcium in drug action*. New York  
Plenum Press, 1978. QV 276 S989c 1977. (201 ref.)  
ANIMAL/ BIOLOGICAL TRANSPORT/ BLOOD  
PLATELETS, cytology/ BLOOD PLATELETS, drug  
effects/ BLOOD PLATELETS, metabolism/ \*BLOOD  
PLATELETS, physiology/ CALCIUM, blood/  
\*CALCIUM, physiology/ CONTRACTILE  
PROTEINS, blood/ IN VITRO/ MONOGRAPH/  
NUCLEOTIDES, CYCLIC, physiology/ PLATELET  
AGGREGATION/ PROSTAGLANDIN  
ENDOPEROXIDES, blood/ PROSTAGLANDINS,  
blood/ REVIEW/ THROMBOXANES, blood
1156. Fejes-Tóth G, Fekete A, Walter J: Effect of antidiuretic  
hormone and indomethacin on intrarenal microsphere  
distribution. *Pfluegers Arch* 376(1):67-72, 25 Aug 78  
ANIMAL/ BLOOD CIRCULATION, drug effects/  
DIURESIS, drug effects/ DOGS/ FEMALE/  
\*INDOMETHACIN, pharmacodynamics/ \*KIDNEY  
blood supply/ KIDNEY, drug effects/ METHODS  
MICROSPHERES/ \*PROSTAGLANDINS,  
biosynthesis/ \*VASOPRESSINS, pharmacodynamics
1157. Feldberg W, Wei E: Central cardiovascular effects of  
enkephalins and C-fragment of lipotropin [proceedings]  
*J Physiol (Lond)* 280:18P, Jul 78  
ANIMAL/ CATS/ CISTERNA MAGNA/  
COMPARATIVE STUDY/ \*ENDORPHINS,  
pharmacodynamics/ ENKEPHALINS,



## AUTHOR SECTION

- pharmacodynamics/ \*HEART RATE, drug effects/  
INJECTIONS, INTRAVENTRICULAR/  
MORPHINE, pharmacodynamics/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
58. Feldman D: Binding of some non-steroidal anti-inflammatory drugs to glucocorticoid receptors in vitro.  
Biochem Pharmacol 27(8):1187-91, 1978  
ANIMAL/ \*ANTI-INFLAMMATORY AGENTS, metabolism/ BINDING, COMPETITIVE/ CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ DEXAMETHASONE, metabolism/ IN VITRO/ KIDNEY, metabolism/ KIDNEY, ultrastructure/ KINETICS/ MALE/ MOLECULAR CONFORMATION/ RATS/ \*RECEPTORS, GLUCOCORTICOID, metabolism/ \*RECEPTORS, STEROID, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
59. Feldman F, Bain J, Matuk AR: Daily assessment of ocular and hormonal variables throughout the menstrual cycle.  
Arch Ophthalmol 96(10):1835-8, Oct 78  
ADULT/ ANTERIOR CHAMBER, anatomy & histology/ CORNEA, anatomy & histology/ ESTRADIOL, blood/ ESTRONE, blood/ \*EYE, anatomy & histology/ FEMALE/ FSH, blood/ \*GONADOTROPINS, PITUITARY, blood/ HUMAN/ \*INTRAOCULAR PRESSURE/ LH, blood/ \*MENSTRUATION/ PROGESTERONE, blood/ \*SEX HORMONES, blood/ \*TEARS, secretion
60. Felt V, Nedvídková J, Ceňková V, et al: Trijódtyroninová tyreotoxikóza u nemocné s tyreoiditidou. Cas Lek Cesk 117(29-30):924-6, 28 Jul 78 (Eng. Abstr.) (Cze)  
CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYPERTHYROIDISM, blood/ HYPERTHYROIDISM, etiology/ MIDDLE AGE/ RHEUMATIC HEART DISEASE, complications/ \*THYROIDITIS, complications/ \*TRIIODOTHYRONINE, blood
61. Felt V, Nedvídková J: Oral administration of thyrotropin-releasing hormone (TRH) in the diagnosis of thyreopathies. Czech Med 1(3):162-8, 1978  
ADMINISTRATION, ORAL/ ADULT/ AGED/ FEMALE/ HUMAN/ HYPERTHYROIDISM, diagnosis/ HYPOTHYROIDISM, diagnosis/ MALE/ MIDDLE AGE/ \*THYROID DISEASES, diagnosis/ THYROTROPIN RELEASING HORMONE, administration & dosage/ \*THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood
62. Fenster LF, Freeny PC, Beebe HG: Case reports. Cavernous hemangioma of the liver presenting with fever. Successful treatment with prednisone. West J Med 129(2):138-40, Aug 78  
ADULT/ FEMALE/ \*FEVER OF UNKNOWN ORIGIN, drug therapy/ \*HEMANGIOMA, CAVERNOUS, complications/ HUMAN/ \*LIVER NEOPLASMS, complications/ \*PREDNISONE, therapeutic use
63. Ferguson RM, Schmidtke JR, Simmons RL: Effects of psychoactive drugs on in vitro lymphocyte activation.  
Birth Defects 14(5):379-405, 1978  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ CALCIUM, pharmacodynamics/ CELLS, CULTURED/ \*CHLORPROMAZINE, pharmacodynamics/ CYTOTOXICITY, IMMUNOLOGIC, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DNA, biosynthesis/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ HUMAN/ LEUKOCYTE CULTURE TEST, MIXED/ \*LYMPHOCYTE TRANSFORMATION, drug effects/ MICE/ MICE, INBRED C3H/ MICE, INBRED C57BL/ PROTEIN BINDING, drug effects/ ROSETTE FORMATION/ SCHIZOPHRENIA, immunology/ SPLEEN, immunology/ T-LYMPHOCYTES, drug effects/ T-LYMPHOCYTES, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
64. Ferin M, Bogumil J, Drewes J, et al: Pituitary and ovarian hormonal response to 48 h gonadotrophin releasing hormone (GnRH) infusions in female Rhesus monkeys.  
Acta Endocrinol (Copenh) 89(1) Sep 78  
ANIMAL/ CASTRATION/ ESTROGENS, blood/ \*ESTROGENS, secretion/ FEMALE/ FSH, blood/ \*FSH, secretion/ INFUSIONS, PARENTERAL/ LH, blood/ \*LH, secretion/ MENSTRUATION/ MONKEYS/ \*OVARY, secretion/ \*PITUITARY GLAND, ANTERIOR, secretion/ PITUITARY HORMONE RELEASING HORMONES, administration & dosage/ \*PITUITARY HORMONE RELEASING HORMONES, pharmacodynamics/ PROGESTERONE, blood/ \*PROGESTERONE, secretion/ RHEBUS MONKEYS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1165. Ferland L, Drouin J, Labrie F: Role of sex steroids on LH and FSH secretion in the rat. Curr Top Mol Endocrinol 3:191-209, 1976 (35 ref.)  
ANDROGENS, pharmacodynamics/ ANIMAL/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTROGENS, pharmacodynamics/ \*FSH, secretion/ HUMAN/ HYPOTHALAMUS, physiology/ \*LH, secretion/ LH-FSH RELEASING HORMONE, pharmacodynamics/ LH-FSH RELEASING HORMONE, physiology/ MALE/ PITUITARY GLAND, ANTERIOR, physiology/ RATS/ REVIEW/ SEX FACTORS/ SEX HORMONES, pharmacodynamics/ \*SEX HORMONES, physiology
1166. Ferland L, Labrie F, Savary M, et al: Inhibitory activity of analogues of luteinizing hormone-releasing hormone (LH-RH) in vitro and in vivo. Clin Endocrinol (Oxf) 5 Suppl:279S-289S, 1976  
ANIMAL/ CELLS, CULTURED/ DOSE-RESPONSE RELATIONSHIP, DRUG/ LH, blood/ LH, secretion/ \*LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, antagonists & inhibitors/ MALE/ OVULATION, drug effects/ PITUITARY GLAND, ANTERIOR, cytology/ PITUITARY GLAND, ANTERIOR, drug effects/ PITUITARY GLAND, ANTERIOR, secretion/ RADIOIMMUNOASSAY/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ TIME FACTORS
1167. Fernandez BM, Saggerson ED: Alterations in response of rat white adipocytes to insulin, noradrenaline, corticotropin and glucagon after adrenalectomy. Correction of these changes by adenosine deaminase. Biochem J 174(1):111-8, 15 Jul 78  
\*ADENOSINE DEAMINASE, pharmacodynamics/ ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, drug effects/ \*ADIPOSE TISSUE, metabolism/ ADRENALECTOMY/ ANIMAL/ \*CORTICOTROPIN, pharmacodynamics/ \*GLUCAGON, pharmacodynamics/ IN VITRO/ \*INSULIN, pharmacodynamics/ MALE/ \*NOREPINEPHRINE, pharmacodynamics/ \*NUCLEOSIDE DEAMINASES, pharmacodynamics/ RATS/ THEOPHYLLINE, pharmacodynamics
1168. Fernández-Durango R, Puente Cuevas M, Bordini Obanza E, et al: Estudio comparativo de dos diferentes radioinmunoensayos en la valoración plasmática de LH y FSH: I) Métodos de doble anticuerpo (NIH). II) Kits comerciales de Serono. Rev Clin Esp 150(1-2):25-30, Jul 78 (Eng. Abstr.) (Spa)  
ANTIBODIES/ BINDING SITES, ANTIBODY, analysis/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ \*FSH, blood/ HUMAN/ \*LH, blood/ RADIOIMMUNOASSAY, methods/ REAGENT KITS, DIAGNOSTIC/ UNITED STATES NATIONAL INSTITUTES OF HEALTH
1169. Ferrandiz Arjonilla L: Ensayo clínico doble ciego con flupamesona y halcinónido. Rev Clin Esp 149(5):495-7, 15 Jun 78 (Eng. Abstr.) (Spa)  
AGED/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DOUBLE-BLIND METHOD/ DRUG EVALUATION/ ENGLISH ABSTRACT/ FEMALE/ \*GLUCOCORTICOID, TOPICAL, therapeutic use/ \*HALCINONIDE, therapeutic use/ HUMAN/ MALE/ OINTMENTS/ \*PREGNADIENEDIOLS, therapeutic use/ \*PREGNENEDIOLONES, therapeutic use/ \*SKIN DISEASES, drug therapy
1170. Ferrari C, Caldara R, Rampini P, et al: Inhibition of prolactin release by serotonin antagonists in hyperprolactinemic subjects. Metabolism 27(10):1499-504, Oct 78  
ADULT/ \*ERGOLINES, pharmacodynamics/ ERGOLINES, therapeutic use/ FEMALE/ HUMAN/

# AUTHOR SECTION

- MALE/ \*METHERGOLINE, pharmacodynamics/  
 \*METHYSERGIDE, pharmacodynamics/  
 METHYSERGIDE, therapeutic use/ PITUITARY  
 DISEASES, drug therapy/ \*PITUITARY DISEASES,  
 metabolism/ PROLACTIN, blood/ \*PROLACTIN,  
 physiology/ PROLACTIN, secretion/  
 2-BROMOERGOCRYPTINE, therapeutic use
1171. Ferrari R, Guarnieri C, Nayler WG: Effetto dell'acidosi sulla  
 funzione mitocondriale di cuori perfusi in ipossia.  
 Boll Soc Ital Biol Sper 54(7):620-5, 15 Apr 78 (Ita)  
 \*ACIDOSIS, metabolism/ \*ADENOSINE  
 TRIPHOSPHATE, metabolism/ ANIMAL/  
 \*ANOXIA, metabolism/ CALCIUM, metabolism/  
 \*MITOCHONDRIA, HEART, metabolism/ OXYGEN  
 CONSUMPTION/ \*PHOSPHOCREATINE,  
 metabolism/ RABBITS
1172. Ferre P, Pegorier JP, Assan R, et al: Influence of exogenous  
 cortisol and triglyceride feeding on glucose homeostasis in  
 the fasted newborn rat. *Pediatr Res* 12(7):751-6, Jul 78  
 ANIMAL/ ANIMALS, NEWBORN/ BLOOD  
 SUGAR, analysis/ BODY COMPOSITION, drug  
 effects/ BODY WEIGHT, drug effects/  
 COMPARATIVE STUDY/ FASTING/  
 \*GLUCONEOGENESIS, drug effects/ \*GLUCOSE,  
 metabolism/ \*HYDROCORTISONE,  
 pharmacodynamics/ RATS/ \*TRIGLYCERIDES,  
 pharmacodynamics
1173. Ferreira A, Weisz-Carrington P, Nussenzweig V: Testosterone  
 control of serum levels of C4-binding protein in mice.  
*J Immunol* 121(3):1213-5, Sep 78  
 ANIMAL/ \*BETA GLOBULINS/ CASTRATION/  
 \*COMPLEMENT 4/ FEMALE/ MALE/ MICE/  
 PROTEIN BINDING, drug effects/  
 \*TESTOSTERONE, pharmacodynamics/ UNITED  
 STATES GOV'T SUPPORTED, P.H.S.
1174. Ferreira SH, Nakamura M, de Abreu Castro MS: The  
 hyperalgesic effects of prostacyclin and prostaglandin E2.  
*Prostaglandins* 16(1):31-7, Jul 78  
 ANIMAL/ DOGS/ DOSE-RESPONSE  
 RELATIONSHIP, DRUG/ \*PAIN, chemically  
 induced/ PRESSURE/ \*PROSTAGLANDINS E,  
 pharmacodynamics/ \*PROSTAGLANDINS X,  
 pharmacodynamics/ \*PROSTAGLANDINS,  
 pharmacodynamics/ RATS/ TIME FACTORS
1175. Ferro MT, Sordo MT, Herrera Pombo JL, et al: Disgenesia  
 gonadal XO/XY. Dos nuevos casos. *Rev Clin Esp*  
 149(4):339-43, 31 May 78 (Spa)  
 ADOLESCENCE/ ADULT/ CASE REPORT/  
 DYSGERMINOMA, complications/  
 DYSGERMINOMA, pathology/ DYSGERMINOMA,  
 surgery/ HUMAN/ KARYOTYPING/ MALE/  
 MOSAICISM/ \*SEX CHROMOSOMES, analysis/  
 TURNER'S SYNDROME, complications/  
 \*TURNER'S SYNDROME, diagnosis/ \*X  
 CHROMOSOME, analysis/ \*Y CHROMOSOME,  
 analysis
1176. Ferro-Luzzi A, Spadoni MA: Protein-energy malnutrition.  
*Prog Food Nutr Sci* 2(11-12):515-41, 1978  
 ADOLESCENCE/ BLOOD CHEMICAL  
 ANALYSIS/ CHILD/ CHILD, PRESCHOOL/  
 ENERGY METABOLISM/ HORMONES,  
 metabolism/ HUMAN/ INFANT/ KWASHIORKOR/  
 \*PROTEIN-CALORIE MALNUTRITION/  
 PROTEIN-CALORIE MALNUTRITION,  
 enzymology/ PROTEINS, metabolism/ URINE,  
 analysis/ VITAMINS, metabolism
1177. Fesenko VP, Babalich AK: Pnevmtireoidografiya i priamoe  
 kontrastirovanie shchitovidnoi zhelezy. *Klin Med (Mosk)*  
 56(8):54-7, Aug 78 (Eng. Abstr.) (Rus)  
 ADOLESCENCE/ ADULT/ AGED/ CASE  
 REPORT/ CHILD/ CONTRAST MEDIA/  
 ENGLISH ABSTRACT/ FEMALE/ GOITER,  
 radiography/ HUMAN/ MALE/ MIDDLE AGE/  
 \*PNEUMORADIOGRAPHY/ \*THYROID GLAND,  
 radiography/ THYROID NEOPLASMS, radiography
1178. Fevold HR, Brown RL: The apparent lack of stimulation of  
 rabbit adrenal 21-hydroxylase activity by ACTH.  
*J Steroid Biochem* 9(6):583-4, Jun 78  
 ADRENAL GLANDS, drug effects/ \*ADRENAL  
 GLANDS, enzymology/ ANIMAL/ COMPARATIVE  
 STUDY/ \*CORTICOTROPIN, pharmacodynamics/  
 HYDROXYPROGESTERONES, metabolism/ MALE/  
 MICROSOMES, drug effects/ MICROSOMES,  
 enzymology/ RABBITS/ \*STEROID  
 HYDROXYLASES, metabolism/  
 \*STEROID-21-HYDROXYLASE, metabolism/  
 UNITED STATES GOV'T SUPPORTED, P.H.S.
1179. Feyel-Cabanes T, Secchi J, Robel P, et al: Combined effect  
 of testosterone and estradiol on rat ventral prostate in or-  
 culture. *Cancer Res* 38(11 Pt 2):4126-34, Nov 78  
 ANIMAL/ DIETHYLSTILBESTROL,  
 pharmacodynamics/ DRUG INTERACTIONS/  
 EPITHELIUM, drug effects/ EPITHELIUM,  
 ultrastructure/ ESTRADIOL, administration & dosage/  
 \*ESTRADIOL, pharmacodynamics/ MALE/  
 MICROSCOPY, ELECTRON/ ORGAN CULTURE/  
 \*PROSTATE, drug effects/ PROSTATE, metabolism/  
 PROSTATE, ultrastructure/ RATS/ RECEPTOR/  
 ESTROGEN/ TAMOXIFEN, pharmacodynamics/  
 TESTOSTERONE, administration & dosage/  
 \*TESTOSTERONE, pharmacodynamics
1180. Fiaschi E, Maschio G, D'Angelo A, et al: Low-protein diet  
 and bone disease in chronic renal failure.  
*Kidney Int [Suppl]* (8):S79-82, Jun 78  
 ADULT/ COMPARATIVE STUDY/ \*DIETARY  
 PROTEINS, administration & dosage/ FOLLOW-  
 UP STUDIES/ HUMAN/ HYPERPARATHYROIDISM,  
 etiology/ HYPERPARATHYROIDISM,  
 SECONDARY, prevention & control/ KIDNEY  
 FAILURE, CHRONIC, complications/ \*KIDNEY  
 FAILURE, CHRONIC, diet therapy/ MIDDLE AGE/  
 \*OSTEOMALACIA, etiology/ \*PHOSPHORUS,  
 administration & dosage
1181. Fibach E, Yamasaki H, Weinstein IB, et al: Heterogeneity  
 murine erythroleukemia cells with respect to tumor  
 promoter-mediated inhibition of cell differentiation.  
*Cancer Res* 38(11 Pt 1):3685-8, Nov 78  
 ANESTHETICS, pharmacodynamics/ ANIMAL/  
 CLONE CELLS, drug effects/ CLONE CELLS,  
 pathology/ DEXAMETHASONE, pharmacodynamics/  
 DITERPENES, pharmacodynamics/ DRUG  
 RESISTANCE/ \*ERYTHROLEUKEMIA, drug  
 therapy/ ERYTHROLEUKEMIA, familial & genetic/  
 ERYTHROLEUKEMIA, pathology/  
 \*ERYTHROPOIESIS, drug effects/ \*LEUKEMIA,  
 EXPERIMENTAL, drug therapy/ LEUKEMIA,  
 EXPERIMENTAL, familial & genetic/ LEUKEMIA,  
 EXPERIMENTAL, pathology/ MICE/  
 PHENOTYPE/ \*PHORBOLS, pharmacodynamics/  
 \*TETRADECANOYLPHORBOL ACETATE,  
 pharmacodynamics/ UNITED STATES GOV'T  
 SUPPORTED/ UNITED STATES GOV'T  
 SUPPORTED, P.H.S.
1182. Fibiger HC, Lepiane FG, Phillips AG: Disruption of men-  
 produced by stimulation of the dorsal raphe nucleus:  
 mediation by serotonin. *Brain Res* 155(2):380-6, 27 Oct 78  
 P-CHLOROPHENYLALANINE, pharmacodynamics/  
 AMYGDALOID BODY, physiology/ ANIMAL/  
 AVOIDANCE LEARNING, drug effects/  
 AVOIDANCE LEARNING, physiology/ \*BRAIN  
 STEM, physiology/ ELECTRIC STIMULATION/  
 MALE/ \*MEMORY, physiology/  
 PREMEDICATION/ RAPHE NUCLEI, drug effects/  
 \*RAPHE NUCLEI, physiology/ RATS/ RETENTION  
 (PSYCHOLOGY), drug effects/ \*RETENTION  
 (PSYCHOLOGY), physiology/ \*SEROTONIN,  
 physiology
1183. Fichsel H, Knöpfle G: Effects of anticonvulsant drugs on  
 thyroid hormones in epileptic children. *Epilepsia*  
 19(4):323-36, Aug 78  
 ADOLESCENCE/ \*ANTICONVULSANTS, ad-  
 verse effects/ CARBAMAZEPINE, adverse effects/ CHOL-  
 ESTEROL, blood/ DOSE-RESPONSE  
 RELATIONSHIP, DRUG/ DRUG THERAPY,  
 COMBINATION/ \*EPILEPSY, drug therapy/  
 HUMAN/ PHENYTOIN, adverse effects/  
 PRIMIDONE, adverse effects/ PROTEIN BINDING/  
 PROTEIN-BOUND IODINE TEST/ \*THYROID  
 HORMONES, metabolism/ THYROTROPIN, blood/  
 THYROXINE BINDING PROTEIN, analysis/  
 THYROXINE, blood/ TRIIODOTHYRONINE,  
 blood/ VALPROATE, adverse effects
1184. Filaretov AA, Vassilevskaya LV: Electrical activity of  
 hypothalamus during activation of pituitary-adrenocor-  
 system. *Brain Res* 156(1):67-74, 3 Nov 78  
 ADRENAL CORTEX HORMONES, blood/  
 ANIMAL/ HYDROCORTISONE, administration



## AUTHOR SECTION

- dosage/ HYPOTHALAMUS, drug effects/  
 \*HYPOTHALAMUS, physiology/  
 HYPOTHALAMUS, ANTERIOR, physiology/  
 HYPOTHALAMUS, MEDIAL, physiology/ MALE/  
 NEURAL INHIBITION, drug effects/ NEURONS,  
 physiology/ \*PITUITARY-ADRENAL SYSTEM,  
 physiology/ RABBITS/ RESTRAINT, PHYSICAL
185. Filaretov AA, Eliseev MY, Vasilevskaya LV: Recording  
 hypothalamic unit activity by long-term implanted  
 electrodes. *Neurosci Behav Physiol* 8(1):45-6, Jan-Mar 77  
 ANIMAL/ ELECTRODES, IMPLANTED/  
 ELECTROPHYSIOLOGY, methods/  
 \*HYPOTHALAMUS, physiology/ RABBITS
186. Filatov VF, Zagorueva LL, Iakovtsova AF, et al: Vlianie  
 ékzogennoi kostnoi rnk na reparativnye protsessy v ukhe  
 posle saniriushchikh operatsii.  
*Zh Ushn Nos Gorl Bolezn* (5):72-3, Sep-Oct 78 (Rus)  
 ADOLESCENCE/ ADULT/ BONE AND BONES/  
 CHRONIC DISEASE/ CLINICAL RESEARCH/  
 DRUG EVALUATION/ FEMALE/ HUMAN/  
 MALE/ \*OTITIS MEDIA, surgery/  
 \*POSTOPERATIVE CARE/ \*RNA, therapeutic use/  
 \*WOUND HEALING, drug effects
187. Filchner R: Ein Fall von idiopathischer Spongiosa-Sklerose.  
*Verh Dtsch Ges Rheumatol* 5:419-25, 1978 (Ger)  
 ADULT/ BONE AND BONES, pathology/ CASE  
 REPORT/ CERVICAL VERTEBRAE, pathology/  
 HUMAN/ MALE/ PELVIS, radiography/ \*SPINAL  
 DISEASES, radiography
188. Filczewski M, Szymańska-Kosmala M: Tissue catecholamine  
 and arterial blood pressure changes in non-anaesthetised rats  
 following administration of a new derivative of  
 furanocarboxylic acid with pressor effect.  
*Acta Physiol Pol* 29(3):251-8, May-Jun 78  
 ADMINISTRATION, ORAL/ ADRENAL GLANDS,  
 metabolism/ ANIMAL/ \*BLOOD PRESSURE, drug  
 effects/ BRAIN, metabolism/ \*CATECHOLAMINES,  
 metabolism/ DOPAMINE, metabolism/  
 EPINEPHRINE, metabolism/ \*FURANS,  
 administration & dosage/ HEART RATE, drug effects/  
 INJECTIONS, INTRAVENOUS/ MALE/  
 MYOCARDIUM, metabolism/ NOREPINEPHRINE,  
 metabolism/ PYRIDINES, administration & dosage/  
 RATS
189. Filion M, Harnois C: A comparison of projections of  
 entopeduncular neurons to the thalamus, the midbrain and  
 the habenula in the cat. *J Comp Neurol* 181(4):763-80, 15  
 Oct 78  
 ACTION POTENTIALS/ ANIMAL/ BRAIN  
 MAPPING/ CATS/ ELECTRIC STIMULATION/  
 \*GLOBUS PALLIDUS, anatomy & histology/  
 GLOBUS PALLIDUS, physiology/  
 HYPOTHALAMUS, anatomy & histology/  
 \*MESENCEPHALON, anatomy & histology/  
 MESENCEPHALON, physiology/ NEURAL  
 PATHWAYS, anatomy & histology/ REACTION  
 TIME, physiology/ TEGMENTUM  
 MESENCEPHALON, anatomy & histology/  
 \*THALAMUS, anatomy & histology/ THALAMUS,  
 physiology
190. Fine BS, Kwapien RP: Pigment epithelial windows and drusen:  
 an animal model. *Invest Ophthalmol Vis Sci* 17(11):1059-68,  
 Nov 78  
 AGE FACTORS/ ANIMAL/ CONTRACEPTIVES,  
 ORAL, administration & dosage/ DISEASE MODELS,  
 ANIMAL/ FEMALE/ FLUORESCIN  
 ANGIOGRAPHY/ HUMAN/ LIPIDS/ MONKEYS/  
 \*PIGMENT EPITHELIUM OF EYE, pathology/  
 PIGMENT EPITHELIUM OF EYE, ultrastructure/  
 RETINAL DISEASES, etiology/ \*RETINAL  
 DISEASES, pathology/ RHESUS MONKEYS/  
 UNITED STATES GOV'T SUPPORTED, P.H.S.
191. Fine D, Schochetman G: Type D primate retroviruses: a review.  
*Cancer Res* 38(10):3123-39, Oct 78 (109 ref.)  
 ANIMAL/ ANTIGENS, VIRAL/ BASE  
 SEQUENCE/ CELL TRANSFORMATION,  
 NEOPLASTIC/ EVOLUTION/ FEMALE/ FETUS,  
 microbiology/ HUMAN/ LACTATION/  
 LEUKOVIRUSES, immunology/ \*LEUKOVIRUSES,  
 isolation & purification/ LEUKOVIRUSES,  
 metabolism/ LUNG, microbiology/ MAMMAE,  
 microbiology/ \*MAMMARY NEOPLASMS,  
 EXPERIMENTAL, microbiology/ MICROSCOPY,  
 ELECTRON/ \*MONKEYS, microbiology/  
 PLACENTA, microbiology/ PREGNANCY/  
 REVERSE TRANSCRIPTASE, metabolism/  
 REVIEW/ RHESUS MONKEYS/ RNA, VIRAL/  
 SPECIES SPECIFICITY/ SQUIRREL MONKEYS/  
 TUMOR VIRUS INFECTIONS, etiology/ UNITED  
 STATES GOV'T SUPPORTED, P.H.S./ VIRAL  
 PROTEINS, metabolism
1192. Finestone AJ: The psychophysiology of stress.  
*Psychosomatics* 19(10):587-9, Oct 78  
 ATTITUDE TO HEALTH/ CHILD REARING/  
 EMOTIONS, physiology/ HUMAN/  
 HYPOTHALAMUS, physiopathology/ IMMUNITY/  
 \*PSYCHOPHYSIOLOGIC DISORDERS,  
 physiopathology/ \*STRESS, PSYCHOLOGICAL,  
 physiopathology
1193. Fink G: The development of the releasing factor concept.  
*Clin Endocrinol (Oxf)* 5 Suppl:245S-260S, 1976 (106 ref.)  
 ANDROGENS, physiology/ ANIMAL/ ELECTRIC  
 STIMULATION/ ESTROGENS, physiology/  
 FEMALE/ HYPOTHALAMUS, physiology/  
 HYPOTHALAMUS, secretion/ LIVER  
 CIRCULATION/ LH-FSH RELEASING  
 HORMONE, blood/ LH-FSH RELEASING  
 HORMONE, physiology/ LH-FSH RELEASING  
 HORMONE, secretion/ MALE/ NEUROHUMORS,  
 physiology/ PITUITARY GLAND, blood supply/  
 PITUITARY GLAND, physiology/ PITUITARY  
 GLAND, secretion/ PITUITARY GLAND,  
 ANTERIOR, physiology/ \*PITUITARY HORMONE  
 RELEASING HORMONES/ PITUITARY  
 HORMONE RELEASING HORMONES, blood/  
 PITUITARY HORMONE RELEASING  
 HORMONES, physiology/ PITUITARY HORMONE  
 RELEASING HORMONES, secretion/ PREOPTIC  
 AREA, physiology/ RATS/ REVIEW/  
 SOMATOTROPIN RELEASE INHIBITING  
 HORMONE, blood/ SOMATOTROPIN RELEASE  
 INHIBITING HORMONE, physiology/  
 SOMATOTROPIN RELEASE INHIBITING  
 HORMONE, secretion/ THYROID HORMONES,  
 physiology/ THYROTROPIN RELEASING  
 HORMONE, blood/ THYROTROPIN RELEASING  
 HORMONE, physiology/ THYROTROPIN  
 RELEASING HORMONE, secretion
1194. Fink G, Geffen LB: The hypothalamo-hypophysial system:  
 model for central peptidergic and monoaminergic  
 transmission. *Int Rev Physiol* 17:1-48, 1978 (288 ref.)  
 ANIMAL/ BRAIN, embryology/ HYPOTHALAMIC  
 HORMONES, physiology/  
 \*HYPOTHALAMO-HYPOPHYSIAL SYSTEM,  
 physiology/ HYPOTHALAMO-HYPOPHYSIAL  
 SYSTEM, ultrastructure/ LH-FSH RELEASING  
 HORMONE, pharmacodynamics/ \*NEURAL  
 TRANSMISSION/ \*NEUROHUMORS, physiology/  
 NEURONS, physiology/ \*PEPTIDES, physiology/  
 PITUITARY HORMONES, ANTERIOR, secretion/  
 REVIEW/ SEX DIFFERENTIATION/ STEROIDS,  
 pharmacodynamics
1195. Finkbeiner AE, Welch LT, Bissada NK: Uropharmacology: IX.  
 Direct-acting smooth muscle stimulants and depressants.  
*Urology* 12(2):231-5, Aug 78  
 AMINOPHYLLINE, pharmacodynamics/  
 ANGIOTENSINS, pharmacodynamics/ ANIMAL/  
 BARIUM, pharmacodynamics/ BRADYKININ,  
 pharmacodynamics/ CHLORIDES,  
 pharmacodynamics/ DICYCLOMINE,  
 pharmacodynamics/ ERGOTAMINE,  
 pharmacodynamics/ FLAVOXATE,  
 pharmacodynamics/ HISTAMINE, pharmacodynamics/  
 HUMAN/ \*MUSCLE, SMOOTH, drug effects/  
 OXYTOCIN, pharmacodynamics/  
 PROSTAGLANDINS, pharmacodynamics/  
 SEROTONIN, pharmacodynamics/ \*URINARY  
 TRACT, drug effects/ VASODILATOR AGENTS,  
 pharmacodynamics
1196. Finkelbrand S, Coleman R, Silbermann M: The exocrine  
 pancreas in triamcinolone-treated mice. A light and electron  
 microscopy study. *Acta Anat (Basel)* 102(4):348-57, 1978  
 ANIMAL/ CYTOPLASM, ultrastructure/ FEMALE/  
 MICE/ MICE, INBRED ICR/ MICROSCOPY,  
 ELECTRON/ MITOCHONDRIA, ultrastructure/  
 \*PANCREAS, drug effects/ PANCREAS, pathology/  
 PANCREAS, ultrastructure/ TRIAMCINOLONE,  
 administration & dosage/ \*TRIAMCINOLONE,  
 pharmacodynamics/ VACUOLES, ultrastructure

# AUTHOR SECTION

1197. Finkelstein JS, Baum FR, Campbell CS: Entrainment of the female hamster to reversed photoperiod: role of the pineal. *Physiol Behav* 21(1):105-11, Jul 78  
ANIMAL/ ESTRADIOL, blood/ ESTRUS/  
FEMALE/ FSH, blood/ HAMSTERS/ \*LIGHT/  
MESOCRICETUS/ \*MOTOR ACTIVITY,  
physiology/ PERIODICITY/ \*PINEAL BODY,  
physiology/ PROGESTERONE, blood/ \*SEX  
BEHAVIOR, ANIMAL, physiology/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
1198. Finucane J: Anticonvulsants and thyroid function [letter]  
*Br Med J* 2(6133):357, 29 Jul 78  
HUMAN/ \*PHENYTOIN, pharmacodynamics/  
\*THYROXINE, blood
1199. Fischer HR, Hackeng WH, Schopman W, et al: Effects of  
substitution with thyroxine on the thyrotrophin (TSH)  
response to thyrotrophin-releasing hormone (TRH) in severe  
primary myxoedema and in mild hypothyroidism following  
prolonged thyrostatic therapy. *Acta Endocrinol (Copenh)*  
89(2):303-15, Oct 78  
ADULT/ AGED/ HUMAN/ HYPOTHYROIDISM,  
blood/ HYPOTHYROIDISM, chemically induced/  
\*HYPOTHYROIDISM, drug therapy/  
HYPOTHYROIDISM, physiopathology/ MIDDLE  
AGE/ MYXEDEMA, blood/ \*MYXEDEMA, drug  
therapy/ MYXEDEMA, physiopathology/  
\*PITUITARY GLAND, ANTERIOR,  
physiopathology/ PITUITARY GLAND, ANTERIOR,  
secretion/ THYROID ANTAGONISTS, adverse  
effects/ \*THYROTROPIN RELEASING HORMONE,  
diagnostic use/ THYROTROPIN, blood/  
\*THYROTROPIN, secretion/ \*THYROXINE,  
therapeutic use/ TIME FACTORS/  
TRIIODOTHYRONINE, blood
1200. Fischer P, Nacheva E, Pohl-Rüling J, et al: Cytogenetic effects  
of chemotherapy and cranial irradiation on the peripheral  
blood lymphocytes of children with leukaemia. pp. 247-57.  
  
In: Evans HJ, Lloyd DC, ed. *Mutagen-induced  
chromosome damage in man.* Edinburgh, Univ Press, 1978.  
QH 462.A1 M992 1977.  
ADOLESCENCE/ ANTINEOPLASTIC AGENTS,  
therapeutic use/ CELLS, CULTURED/ CHILD/  
CHILD, PRESCHOOL/ \*CHROMOSOME  
ABERRATIONS/ CHROMOSOMES, drug effects/  
CHROMOSOMES, radiation effects/ COMPARATIVE  
STUDY/ CORTISONE, therapeutic use/ HUMAN/  
\*LEUKEMIA, LYMPHOBLASTIC, therapy/  
LYMPHOCYTES, ultrastructure/ MONOGRAPH/  
NEPHROSIS, therapy/ SKULL, radiography/ TIME  
FACTORS
1201. Fischer PW, Goodridge AG: Coordinate regulation of acetyl  
coenzyme A carboxylase and fatty acid synthetase in liver  
cells of the developing chick in vivo and in culture.  
*Arch Biochem Biophys* 190(1):332-44, Sep 78  
ACETYL COA CARBOXYLASE, isolation &  
purification/ \*ACETYL COA CARBOXYLASE,  
metabolism/ CELLS, CULTURED/ CHICK  
EMBRYO/ FATTY ACID SYNTHETASE  
COMPLEX, isolation & purification/ \*FATTY ACID  
SYNTHETASE COMPLEX, metabolism/  
GLUCAGON, pharmacodynamics/ INSULIN,  
pharmacodynamics/ KINETICS/ \*LIGASES,  
metabolism/ LIVER, drug effects/ LIVER,  
embryology/ \*LIVER, enzymology/ MALATE  
DEHYDROGENASE, metabolism/ MOLECULAR  
WEIGHT/ PRECIPITIN TESTS/  
TRIIODOTHYRONINE, pharmacodynamics
1202. Fischer S, Tortolero M, Piau JP, et al: Protein kinase and  
adenylate cyclase of erythrocyte membrane from patients  
with Duchenne muscular dystrophy. *Clin Chim Acta*  
88(3):437-40, 15 Sep 78  
ADENOSINE TRIPHOSPHATE, metabolism/  
\*ADENYL CYCLASE, blood/ \*ERYTHROCYTE  
MEMBRANE, enzymology/ \*ERYTHROCYTES,  
enzymology/ HUMAN/ \*MUSCULAR DYSTROPHY,  
enzymology/ \*PROTEIN KINASE, blood
1203. Fischman AJ, Riemen MW, Cowburn D: Averaging of phi2  
and phi3 in [5-leucyl]-enkephalin: NMR study of two  
isotopic isomers. *FEBS Lett* 94(2):236-40, 15 Oct 78  
\*ENDORPHINS/ \*ENKEPHALINS/ GLYCINE/  
ISOMERISM/ NUCLEAR MAGNETIC  
RESONANCE/ PROTEIN CONFORMATION/  
UNITED STATES GOV'T SUPPORTED/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
1204. Fisher DA: Neonatal thyroid screening.  
*Pediatr Clin North Am* 25(3):423-9, Aug 78  
CANADA/ COSTS AND COST ANALYSIS/  
HUMAN/ HYPOTHYROIDISM, congenital/  
HYPOTHYROIDISM, diagnosis/  
\*HYPOTHYROIDISM, occurrence/ INFANT/  
INFANT, NEWBORN/ \*INFANT, NEWBORN  
DISEASES, occurrence/ \*MASS SCREENING  
UNITED STATES
1205. Fishman J, Fukushima D, O'Connor J, et al: Plasma ho  
profiles of young women at risk for familial breast c  
*Cancer Res* 38(11 Pt 2):4006-11, Nov 78  
ADULT/ \*BREAST NEOPLASMS, blood/ BR  
NEOPLASMS, familial & genetic/ ESTRADIOL  
blood/ ESTRIOL, blood/ \*ESTROGENS, blood/  
ESTRONE, blood/ FAMILY CHARACTERIS  
FEMALE/ FSH, blood/ HUMAN/ LH, blood,  
MENSTRUATION, FOLLICULAR PHASE/  
MENSTRUATION, LUTEAL PHASE/  
PREGNANCY/ PROLACTIN, blood/ RISK/  
UNITED STATES GOV'T SUPPORTED, P.H.
1206. Fitch N, Carpenter S: Neuroaxonal dystrophy and osteop  
[letter] *Ann Neurol* 4(1):91-2, Jul 78  
\*BRAIN DISEASES, complications/ HUMAN/  
\*OSTEOPETROSIS, complications
1207. Fitzsimons JT, Epstein AN, Johnson AK: Petide antag  
of the renin-angiotensin system in the characterisat  
receptors for angiotensin-induced drinking. *Brain Res*  
153(2):319-31, 22 Sep 78  
\*ANGIOTENSIN II, antagonists & inhibitors/  
ANGIOTENSIN II, pharmacodynamics/ ANIM  
BINDING, COMPETITIVE, drug effects/ BRA  
drug effects/ DOSE-RESPONSE RELATIONS  
DRUG/ \*DRINKING, drug effects/ MALE/  
PEPSTATINS, pharmacodynamics/ RATS/  
\*RECEPTORS, ANGIOTENSIN, drug effects/  
\*RECEPTORS, HORMONE, drug effects/ \*RE  
antagonists & inhibitors/ RENIN, pharmacodyn  
SQ 20881, pharmacodynamics
1208. Flamant F, Caillou B, Pejovic MH, et al: Prognostic  
in malignant germ cell tumors of the ovary in child  
excluding pure dysgerminoma. *Eur J Cancer* 14(8):9  
Aug 78  
CHILD/ FEMALE/ HUMAN/ MESONEPHR  
mortality/ \*MESONEPHROMA, pathology/  
NEOPLASM STAGING/ OVARIAN NEOPL  
mortality/ \*OVARIAN NEOPLASMS, pathology  
PROGNOSIS/ TERATOID TUMOR, mortality  
\*TERATOID TUMOR, pathology
1209. Flamant F, Bloch-Michel E, Lemaistre O, et al: Les poss  
actuelles de traitement du rhabdomyosarcome de l'o  
chez l'enfant: A propos de 20 cas observés à l'Institut G  
Roussy (1960-1975). *J Fr Ophtalmol* 1(6-7):451-6, Ju  
78 (Eng. Abstr.)  
CHILD/ CHILD, PRESCHOOL/ ENGLISH  
ABSTRACT/ EXOPHTHALMOS, etiology/  
FEMALE/ HUMAN/ INFANT/ INFANT,  
NEWBORN/ MALE/ ORBITAL NEOPLASM  
diagnosis/ ORBITAL NEOPLASMS, drug ther  
ORBITAL NEOPLASMS, radiotherapy/ \*ORB  
NEOPLASMS, therapy/ RHABDOMYOSARCO  
diagnosis/ RHABDOMYOSARCOMA, drug the  
RHABDOMYOSARCOMA, radiotherapy/  
\*RHABDOMYOSARCOMA, therapy
1210. Flatau E, Resnitzky P, Harpaz S: [Post-traumatic sele  
tertiary hypothyroidism] *Harefuah* 94(11):370-1, 1 Ju  
(Eng. Abstr.)  
\*BRAIN CONCUSSION, complications/ CASE  
REPORT/ ENGLISH ABSTRACT/ FEMALE  
HUMAN/ \*HYPOTHYROIDISM, etiology/ MII  
AGE/ THYROTROPIN RELEASING HORM  
deficiency/ TIME FACTORS
1211. Fledelius HC, Glydensted C: Ultrasonography and com  
tomography in orbital diagnosis. With special refer  
dysthyroid ophthalmopathy. *Acta Ophthalmol (Cope*  
56(5):751-62, Oct 78  
ADOLESCENCE/ ADULT/ AGED/ BRAIN  
NEOPLASMS, diagnosis/ CASE REPORT/ CH  
CHILD, PRESCHOOL/ \*CRANIAL NERVE  
NEOPLASMS, diagnosis/ CRANIAL NERVES  
CYSTS, diagnosis/ DIAGNOSTIC ERRORS/  
\*EXOPHTHALMOS, etiology/ \*EYE DISEAS



## AUTHOR SECTION

- diagnosis/ FEMALE/ \*GOITER, EXOPHTHALMIC,  
diagnosis/ HEMANGIOMA, diagnosis/ HUMAN/  
INFANT/ INFANT, NEWBORN/ MALE/ MIDDLE  
AGE/ NEOPLASM METASTASIS/ \*ORBIT/  
\*ORBITAL NEOPLASMS, diagnosis/  
\*PERIPHERAL NERVE DISEASES, diagnosis/  
\*TOMOGRAPHY, COMPUTERIZED AXIAL/  
\*ULTRASONICS, diagnostic use
1212. Fleischer S, Slotnick BM: Disruption of maternal behavior in rats with lesions of the septal area. *Physiol Behav* 21(2):189-200, Aug 78  
ANIMAL/ FEMALE/ LACTATION/ \*MATERNAL BEHAVIOR/ NESTING BEHAVIOR, physiology/  
PREGNANCY/ RATS/ \*SEPTUM PELLUCIDUM, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1213. Fleury P, Basset JM, Compère JF: Paralysies faciales à frigore et paralysies faciales zostériennes (surveillance et indications thérapeutiques). *Rev Laryngol Otol Rhinol (Bord)* 99(5-6):307-22, May-Jun '78 (Eng. Abstr.) (Fre)  
ADRENAL CORTEX HORMONES, therapeutic use/  
ELECTRIC STIMULATION/ ENGLISH  
ABSTRACT/ FACIAL NERVE, physiology/  
FACIAL PARALYSIS, etiology/ FACIAL  
PARALYSIS, surgery/ \*FACIAL PARALYSIS,  
therapy/ \*HERPES ZOSTER, complications/  
HUMAN/ METHODS/ VASODILATOR AGENTS,  
therapeutic use
1214. Flink H, Lichter A, Rosenshein N, et al: Maximal radiation therapy by a new treatment technique for stage III ovarian cancer. *Int J Radiat Oncol Biol Phys* 4(5-6):441-3, May-Jun 78  
ADULT/ AGED/ COLLOIDS/ FEMALE/  
HUMAN/ INJECTIONS, INTRAPERITONEAL/  
MIDDLE AGE/ NEOPLASM STAGING/  
OVARIAN NEOPLASMS, pathology/ \*OVARIAN  
NEOPLASMS, radiotherapy/ PHOSPHORUS  
RADIOISOTOPES, administration & dosage/  
RADIOTHERAPY, HIGH ENERGY/ RÉMISSION/  
TIME FACTORS
1215. Flinn RB: Climate, thirst and renin. *Trans Am Clin Climatol Assoc* 89:130-40, 1977  
\*ANGIOTENSIN II, physiology/ ANIMAL/ BIRDS,  
physiology/ CAMELS, physiology/ CASE REPORT/  
HUMAN/ HYPOTHALAMUS, physiology/  
KANGAROO RATS, physiology/ MALE/ MIDDLE  
AGE/ \*RENIN, physiology/ REPTILES, physiology/  
SUBFORNICAL ORGAN, physiology/ \*THIRST,  
physiology/ WATER, metabolism
1216. Floersheim GL: Immunsuppression als Begleitwirkung. *Schweiz Med Wochenschr* 108(38):1449-60, 23 Sep 78 (236 ref.) (Eng. Abstr.) (Ger)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ADJUVANTS, IMMUNOLOGIC/  
ANIMAL/ ANTIBODY FORMATION/  
AUTOIMMUNE DISEASES, immunology/  
BACTERIA, immunology/ BONE MARROW, drug  
effects/ COMMUNICABLE DISEASES, immunology/  
DIABETES MELLITUS, immunology/ ENGLISH  
ABSTRACT/ FATTY ACIDS, NONESTERIFIED,  
pharmacodynamics/ GUINEA PIGS/ HUMAN/  
IMMUNITY, CELLULAR/  
\*IMMUNOSUPPRESSION/ NEPHRITIS,  
immunology/ NIRIDAZOLE, pharmacodynamics/  
PARASITES, immunology/ PROSTAGLANDINS,  
biosynthesis/ PROSTAGLANDINS,  
pharmacodynamics/ REVIEW/ T-LYMPHOCYTES,  
immunology/ T-LYMPHOCYTES, metabolism/  
TUBERCULIN TEST/ VIRUSES, immunology
1217. Fludder JM, Tonge SR: The interaction between female sex hormones and D-amphetamine on central biogenic amines during the rat oestrous cycle. *Ir J Med Sci* 147 Suppl 1:28-32, Aug 78  
ANIMAL/ \*BIOGENIC AMINES, metabolism/  
BRAIN CHEMISTRY/ \*DEXTROAMPHETAMINE,  
pharmacodynamics/ DRUG INTERACTIONS/  
\*ESTROGENS, pharmacodynamics/ \*ESTRUS/  
FEMALE/ \*PROGESTERONE, pharmacodynamics/  
RATS
1218. Flynn JT: Endotoxic shock in the rabbit: the effects of prostaglandin and arachidonic acid administration. *J Pharmacol Exp Ther* 206(3):555-66, Sep 78  
ALANINE AMINOTRANSFERASE, blood/  
ANIMAL/ \*ARACHIDONIC ACIDS, therapeutic use/  
BLOOD SUGAR, analysis/ CATHEPSINS, blood/  
DISEASE MODELS, ANIMAL/ ENDOTOXINS,  
pharmacodynamics/ ESCHERICHIA COLI/  
LACTATE DEHYDROGENASE, blood/ MALE/  
\*PROSTAGLANDINS, therapeutic use/ RABBIT/  
SHOCK, SEPTIC, blood/ \*SHOCK, SEPTIC, drug  
therapy
1219. Fodge DW, Chao WR, Johnson HL: Glucocorticoid binding and [3H]thymidine incorporation into DNA in embryonic chick cell cultures. *Cancer Res* 38(10):3391-7, Oct 78  
CELL CYCLE, drug effects/ CELL NUMBER/  
\*CELL TRANSFORMATION, NEOPLASTIC/  
CELLS, CULTURED/ COMPARATIVE STUDY/  
CYTOPLASM, metabolism/ DEXAMETHASONE,  
metabolism/ DRUG INTERACTIONS/ DNA,  
biosynthesis/ \*DNA, metabolism/  
\*GLUCOCORTICOIDS, SYNTHETIC, metabolism/  
GLUCOCORTICOIDS, SYNTHETIC,  
pharmacodynamics/ HYDROCORTISONE,  
pharmacodynamics/ KINETICS/ PROGESTERONE,  
pharmacodynamics/ ROUS SARCOMA VIRUS/  
\*THYMIDINE, metabolism/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
1220. Fogwell RL, Weems CW, Lewis GS, et al: Secretion of steroids after induced luteal regression in beef heifers: effects of PGF<sub>2</sub> alpha and removal of corpora lutea. *J Anim Sci* 46(6):1718-23, Jun 78  
ANIMAL/ \*CATTLE, physiology/ \*CORPUS  
LUTEUM REGRESSION, drug effects/ \*CORPUS  
LUTEUM, physiology/ ESTRADIOL, secretion/  
FEMALE/ \*LH, secretion/ OVULATION/  
PROGESTERONE, secretion/ \*PROSTAGLANDINS  
F, pharmacodynamics/ \*SEX HORMONES, secretion
1221. Follett BK, Maung SL: Rate of testicular maturation, in relation to gonadotrophin and testosterone levels, in quail exposed to various artificial photoperiods and to natural daylengths. *J Endocrinol* 78(2):267-80, Aug 78  
ANIMAL/ CLOACA, growth & development/  
COTURNIX/ \*FSH, blood/ \*LIGHT/ \*LH, blood/  
MALE/ PERIODICITY/ SPERMATOGENESIS/  
\*TESTIS, growth & development/  
\*TESTOSTERONE, blood
1222. Fontagné J, Loizeau M, Blondel D, et al: Action de la dexaméthasone sur la synthèse d'ADN de macrophages stimulés in vitro par un exsudat inflammatoire. *C R Soc Biol (Paris)* 172(1):52-7, 1978 (Eng. Abstr.) (Fre)  
ANIMAL/ \*DEXAMETHASONE,  
pharmacodynamics/ DEXTRANS/  
DOSE-RESPONSE RELATIONSHIP, DRUG/ DNA  
REPLICATION, drug effects/ \*DNA, biosynthesis/  
ENGLISH ABSTRACT/ EXUDATES AND  
TRANSUDATES/ \*INFLAMMATION,  
physiopathology/ MACROPHAGES, drug effects/  
\*MACROPHAGES, metabolism/ MALE/ RATS
1223. Ford K: Contraceptive use in the United States, 1973--1976. *Fam Plann Perspect* 10(5):264-9, Sep-Oct 78  
ADOLESCENCE/ ADULT/ BLACKS/  
CONTRACEPTIVES, ORAL/ \*FAMILY  
PLANNING/ FAMILY PLANNING, trends/  
FEMALE/ HUMAN/ INCOME/ STERILIZATION,  
SEXUAL, utilization/ UNITED STATES
1224. Ford SP, Stormshak F: Bovine ovarian and pituitary responses to PMS and GnRH administered during metestrus. *J Anim Sci* 46(6):1701-6, Jun 78  
ANIMAL/ \*CATTLE, physiology/ ESTRADIOL,  
blood/ \*ESTRUS, drug effects/ FEMALE/  
\*GONADOTROPINS, EQUINE, pharmacodynamics/  
GRAAFIAN FOLLICLE, drug effects/ LH, blood/  
\*LH-FSH RELEASING HORMONE,  
pharmacodynamics/ \*METESTRUS, drug effects/  
\*OVARY, drug effects/ \*PITUITARY GLAND, drug  
effects/ PROGESTERONE, blood
1225. Ford-Hutchinson AW, Walker JR, Davidson EM, et al: PGI<sub>2</sub>: a potential mediator of inflammation. *Prostaglandins* 16(2):253-8, Aug 78  
ANIMAL/ BRADYKININ, administration & dosage/  
CARRAGEENAN, administration & dosage/ DRUG  
SYNERGISM/ \*EDEMA, chemically induced/  
FEMALE/ HINDLIMB/ HISTAMINE, administration  
& dosage/ INJECTIONS/ PROSTAGLANDINS E,  
administration & dosage/ \*PROSTAGLANDINS X,  
administration & dosage/ \*PROSTAGLANDINS,  
administration & dosage/ RATS



# AUTHOR SECTION

1226. Forman BH, Marieb NJ, Lee KJ, et al: The diagnosis and management of pituitary tumors. *Conn Med* 42(9):551-5, Sep 78  
HUMAN/ \*PITUITARY NEOPLASMS/  
PITUITARY NEOPLASMS, classification/  
PITUITARY NEOPLASMS, diagnosis/ PITUITARY  
NEOPLASMS, therapy
1227. Forney JP: Pregnancy following removal and chemotherapy of ovarian endodermal sinus tumor. *Obstet Gynecol* 52(3):360-2, Sep 78  
ADOLESCENCE/ ANTINEOPLASTIC AGENTS,  
therapeutic use/ CASE REPORT/ CASTRATION/  
DRUG THERAPY, COMBINATION/ FALLOPIAN  
TUBES, surgery/ FEMALE/ HUMAN/ INFANT,  
NEWBORN/ MALE/ MESONEPHROMA, surgery/  
\*MESONEPHROMA, therapy/ OVARIAN  
NEOPLASMS, surgery/ \*OVARIAN NEOPLASMS,  
therapy/ \*PREGNANCY/ TIME FACTORS
1228. Forsyth GW, Hamilton DL, Goertz KE, et al: Cholera toxin effects on fluid secretion, adenylate cyclase, and cyclic AMP in porcine small intestine. *Infect Immun* 21(2):373-80, Aug 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
physiology/ \*ADENYL CYCLASE, physiology/  
ANIMAL/ CELL-FREE SYSTEM/ \*CHOLERA  
TOXIN, pharmacodynamics/ DOSE-RESPONSE  
RELATIONSHIP, DRUG/ INTESTINAL MUCOSA,  
physiology/ \*INTESTINAL SECRETIONS,  
physiology/ \*INTESTINE, SMALL, physiology/  
PAPAVERINE, pharmacodynamics/ RABBITS/  
SODIUM, metabolism/ SWINE/  
1-METHYL-3-ISOBUTYLXANTHINE,  
pharmacodynamics
1229. Fossati P, Lefebvre J: Anesthésie-réanimation en chirurgie de l'hypophyse. Préparation hormonale et équilibration hydro-électrolytique pré-opératoire. *Anesth Analg (Paris)* 35(2):287-92, Mar-Apr 78 (Fre)  
CASE REPORT/ CORTISONE, therapeutic use/  
HUMAN/ HYDROCORTISONE, therapeutic use/  
HYPERNATREMIA, drug therapy/  
HYPONATREMIA, drug therapy/  
\*HYPOPITUITARISM, drug therapy/  
HYPOPITUITARISM, etiology/ MALE/ MIDDLE  
AGE/ PITUITARY NEOPLASMS, complications/  
\*PITUITARY NEOPLASMS, surgery/  
\*PREOPERATIVE CARE/ PROLACTIN, blood/  
VASOPRESSINS, therapeutic use/  
WATER-ELECTROLYTE IMBALANCE, etiology/  
\*WATER-ELECTROLYTE IMBALANCE, therapy
1230. Fossberg TM, Døskeland SO, Ueland PM: Protein kinases in human renal cell carcinoma and renal cortex. A comparison of isozyme distribution and of responsiveness to adenosine 3':5'-cyclic monophosphate. *Arch Biochem Biophys* 189(2):272-81, Aug 78  
\*ADENOCARCINOMA, enzymology/  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
pharmacodynamics/ ADENOSINE TRIPHOSPHATE,  
metabolism/ AGED/ CHROMATOGRAPHY,  
DEAE-CELLULOSE/ COMPARATIVE STUDY/  
FEMALE/ HUMAN/ ISOENZYMES, metabolism/  
\*KIDNEY CORTEX, enzymology/ \*KIDNEY  
NEOPLASMS, enzymology/ MAGNESIUM,  
pharmacodynamics/ MALE/ MIDDLE AGE/  
PROTEIN BINDING/ \*PROTEIN KINASE,  
metabolism
1231. Foster JL, Blair JB: Acute hormonal control of pyruvate kinase and lactate formation in the isolated rat hepatocyte. *Arch Biochem Biophys* 189(2):263-76, Aug 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
pharmacodynamics/ ALANINE, metabolism/  
ANIMAL/ COMPARATIVE STUDY/  
DIHYDROXYACETONE, metabolism/  
\*EPINEPHRINE, pharmacodynamics/ \*GLUCAGON,  
pharmacodynamics/ GLUCOSE, metabolism/  
KINETICS/ \*LACTATES, metabolism/ LIVER,  
cytology/ \*LIVER, metabolism/ MALE/  
PHENOXYBENZAMINE, pharmacodynamics/  
PROPRANOLOL, pharmacodynamics/ \*PYRUVATE  
KINASE, metabolism/ RATS/ STARVATION/  
THEOPHYLLINE, pharmacodynamics/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
1232. Fouriez G, Hansson P, Wise RA: Neuroleptic-induced attenuation of brain stimulation reward in rats. *J Comp Physiol Psychol* 92(4):661-71, Aug 78  
ANIMAL/ BRAIN MAPPING/ BUTACLAMOL,  
pharmacodynamics/ CATECHOLAMINES,  
physiology/ COMPARATIVE STUDY/ DOPAMINE  
physiology/ \*HYPOTHALAMUS, drug effects/  
HYPOTHALAMUS, physiology/ MALE/  
NOREPINEPHRINE, physiology/  
PHENOXYBENZAMINE, pharmacodynamics/  
PIMOZIDE, pharmacodynamics/ RATS/ REACTIO  
TIME, drug effects/ \*REWARD/ \*SELF  
STIMULATION, drug effects/ SELF  
STIMULATION, physiology/ \*TRANQUILIZING  
AGENTS, MAJOR, pharmacodynamics
1233. Fournie-Zaluski MC, Gacel G, Roques BP, et al: Fluorescent enkephalin derivatives with biological activity. *Biochem Biophys Res Commun* 83(1):300-5, 14 Jul 78  
ANIMAL/ BEHAVIOR, ANIMAL, drug effects/  
CORPUS STRIATUM, metabolism/ DANSYL  
COMPOUNDS/ \*ENDORPHINS/ ENDORPHINS,  
pharmacodynamics/ \*ENKEPHALINS/  
ENKEPHALINS, pharmacodynamics/ GUINEA  
PIGS/ ILEUM, drug effects/ ILEUM, physiology/  
MALE/ METHODS/ MICE/ SPECTROMETRY,  
FLUORESCENCE
1234. Fowler PB: Thyroid extract [letter] *Br Med J* 2(6137):636-26 Aug 78  
AGED/ CORONARY DISEASE, prevention &  
control/ FEMALE/ HUMAN/ \*THYROID GLAND  
\*TISSUE EXTRACTS, adverse effects/ TISSUE  
EXTRACTS, therapeutic use
1235. Fox J, Care AD, Marshall DH: Reversal of betamethasone-induced inhibition of intestinal calcium absorption by  $\alpha$ -hydroxycholecalciferol. *J Endocrinol* 78(2):187-94, Aug 78  
ANIMAL/ \*BETAMETHASONE,  
pharmacodynamics/ \*CALCIUM, metabolism/  
FEMALE/ \*HYDROXYCHOLECALCIFEROLS,  
pharmacodynamics/ \*INTESTINAL ABSORPTION,  
drug effects/ MALE/ PHOSPHATES, metabolism/  
SWINE
1236. Fox J, Care AD, Blahos J: Effects of low calcium and low phosphorus diets on the duodenal absorption of calcium in betamethasone-treated chicks. *J Endocrinol* 78(2):255-60, Aug 78  
ANIMAL/ \*BETAMETHASONE,  
pharmacodynamics/ \*CALCIUM, metabolism/  
CALCIUM, DIETARY, metabolism/ CHICKENS,  
DIET/ DUODENUM, metabolism/ \*INTESTINAL  
ABSORPTION, drug effects/ PHOSPHORUS,  
metabolism
1237. Francesconi RP, Maher JT, Mason JW, et al: Hormonal responses of sedentary and exercising men to recurrent heat exposure. *Aviat Space Environ Med* 49(9):1102-6, Sep 78  
\*ACCLIMATIZATION/ ADULT/ BODY  
TEMPERATURE/ \*EXERTION/ \*HEAT/  
HUMAN/ \*HYDROCORTISONE, blood/ \*INSULIN,  
blood/ MALE/ \*SOMATOTROPIN, blood/  
\*THYROXINE, blood/ TIME FACTORS
1238. Francis KT: The effect of dantrolene sodium on the efflux of  $Ca^{45}$  from rat heavy sarcoplasmic reticulum. *Res Commun Chem Pathol Pharmacol* 21(3):573-6, Sep 78  
ANIMAL/ \*CALCIUM, metabolism/  
\*DANTROLENE, pharmacodynamics/ HINDLIM  
\*HYDANTOINS, pharmacodynamics/ IN VITRO/  
RATS/ SARCOPLASMIC RETICULUM, drug  
effects/ \*SARCOPLASMIC RETICULUM,  
metabolism/ TIME FACTORS
1239. François J, Hanssens M, Verbracken H: Sarcoidosis orbita. *J Fr Ophtalmol* 1(6-7):461-4, Jun-Jul 78 (Eng. Abstr.)  
ADRENAL CORTEX HORMONES, therapeutic use/  
ENGLISH ABSTRACT/ \*EYE DISEASES,  
diagnosis/ EYE DISEASES, drug therapy/ EYE  
DISEASES, pathology/ \*ORBIT/ ORBIT, pathology/  
\*SARCOIDOSIS, diagnosis/ SARCOIDOSIS, drug  
therapy/ SARCOIDOSIS, pathology
1240. Frang D, Rózsahgyi G, Than E: Operative management of varicocele by high retroperitoneal ligation of the spermatic vein. *Int Urol Nephrol* 10(2):131-9, 1978  
ADULT/ HUMAN/ LIGATION/ MALE/  
METHODS/ STERILITY, MALE, etiology/  
\*TESTIS, blood supply/ VARICOCELE, diagnosis/  
VARICOCELE, physiopathology/ \*VARICOCELE,  
surgery/ VEINS, surgery/ VENOUS PRESSURE



# AUTHOR SECTION

1241. Frank JS: Surface calcium in the heart: its function and role in drug action. pp. 33-56.  
In: Weiss GB, ed. Calcium in drug action. New York, Plenum Press, 1978. QV 276 S989c 1977. (44 ref.)  
ANIMAL/ BINDING SITES, drug effects/  
CALCIUM, metabolism/ \*CALCIUM, physiology/ IN VITRO/ LANTHANUM, metabolism/  
LANTHANUM, pharmacodynamics/ MONOGRAPH/  
\*MYOCARDIAL CONTRACTION, drug effects/  
\*MYOCARDIUM, metabolism/ MYOCARDIUM, ultrastructure/ REVIEW/ SARCOLEMMMA, ultrastructure/ SIALIC ACIDS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1242. Frank WM, Sreepada Rao TK, Manis T, et al: Relationship of plasma lipids to renal function and length of time on maintenance hemodialysis. Am J Clin Nutr 31(10):1886-92, Oct 78  
ADULT/ AGED/ CHOLESTEROL, blood/  
CREATININE, blood/ DIABETIC NEPHROPATHIES, blood/ DIABETIC NEPHROPATHIES, physiopathology/ FEMALE/ GLUCAGON, blood/ \*HEMODIALYSIS/ HUMAN/ HYPERLIPEMIA, etiology/ INSULIN, blood/  
\*KIDNEY FAILURE, CHRONIC, blood/ KIDNEY FAILURE, CHRONIC, therapy/ KIDNEY, physiopathology/ LIPIDS, blood/ MALE/ MIDDLE AGE/ SOMATOTROPIN, blood/ TIME FACTORS/ TRIGLYCERIDES, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1243. Franke WW, Grund C, Osborn M, et al: The intermediate-sized filaments in rat kangaroo PtK2 cells. I. Morphology in situ. Cytobiologie 17(2):365-91, Aug 78  
CELL LINE/ CYTOCHALASINS, drug effects/  
pharmacodynamics/ CYTOPLASM, drug effects/  
\*CYTOPLASM, ultrastructure/ DESMOSOMES, ultrastructure/ FLUORESCENT ANTIBODY TECHNIC/ KANGAROOS/ MICROFILAMENTS, ultrastructure/ MICROSCOPY, ELECTRON/ MITOSIS/ POLYRIBOSOMES, ultrastructure/  
TESTOSTERONE, pharmacodynamics/ VITAMIN A, pharmacodynamics
1244. Frankel BJ, Imagawa WT, O'Connor MD, et al: Glucose-stimulated 45Calcium efflux from isolated rat pancreatic islets. J Clin Invest 62(3):525-31, Sep 78  
ANIMAL/ \*CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ \*GLUCOSE, pharmacodynamics/ IN VITRO/ INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ \*ISLANDS OF LANGERHANS, metabolism/ ISLANDS OF LANGERHANS, secretion/ PERFUSION/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1245. Franks LM, Maldague P: Tumours of the accessory male sex glands. IARC Sci Publ (6):151-9, 1976  
ADENOCARCINOMA, pathology/ ANIMAL/ CARCINOGENS/ CARCINOMA, EPIDERMAL, pathology/ COMPARATIVE STUDY/ GENITAL NEOPLASMS, MALE, etiology/ \*GENITAL NEOPLASMS, MALE, pathology/ HORMONES/ MALE/ NEOPLASMS, EXPERIMENTAL, pathology/ PROSTATIC NEOPLASMS, pathology/ RATS/ SARCOMA, EXPERIMENTAL, pathology/ SEMINAL VESICLES
1246. Frederiksen P, Thommesen P: Histiocytosis X. II. Histologic appearance correlated to prognosis and extent of disease. Acta Radiol Oncol Radiat Phys Biol 17(1):10-6, 1978  
ADOLESCENCE/ ADULT/ \*BONE AND BONES, pathology/ CHILD/ CHILD, PRESCHOOL/ EOSINOPHILS/ FEMALE/ FOLLOW-UP STUDIES/ GRANULOCYTES/ HISTIOCYTES/ HISTIOCYTOSIS X, mortality/ \*HISTIOCYTOSIS X, pathology/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ PROGNOSIS/ TIME FACTORS
1247. Freed CR, Quintero E, Murphy RC: Hypotension and hypothalamic amine metabolism after long-term alpha-methyl dopa infusions. Life Sci 23(4):313-22, 24 Jul 78  
AMINES, metabolism/ ANIMAL/ \*BLOOD PRESSURE, drug effects/ \*HYPOTHALAMUS, metabolism/ INFUSIONS, PARENTERAL/ MALE/ METHYLDOPA, administration & dosage/ METHYLDOPA, metabolism/ \*METHYLDOPA, pharmacodynamics/ METHYLNOREPINEPHRINE, metabolism/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1248. Freemark M, Stoff DM, Moja EA, et al: Testosterone-attenuated stereotype and hyperactivity induced by beta-phenylethylamine in pargyline-pretreated rats. Biol Psychiatry 13(4):455-63, Aug 78  
ANIMAL/ \*BEHAVIOR, drug effects/ DISEASE MODELS, ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DYSKINESIA, DRUG-INDUCED, metabolism/ MALE/ \*MOTOR ACTIVITY, drug effects/ \*PARGYLINE, pharmacodynamics/ \*PHENETHYLAMINES, pharmacodynamics/ PUBERTY/ RATS/ SEX HORMONES, metabolism/ \*STEREOTYPED BEHAVIOR, drug effects/ \*TESTOSTERONE, pharmacodynamics
1249. Freireich EJ, Keating MJ, Gehan EA, et al: Therapy of acute myelogenous leukemia. Cancer 42(2 Suppl):874-82, Aug 78  
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ ANTINEOPLASTIC AGENTS, administration & dosage/ \*ANTINEOPLASTIC AGENTS, therapeutic use/ CYTARABINE, therapeutic use/ DOXORUBICIN, therapeutic use/ DRUG ADMINISTRATION SCHEDULE/ DRUG THERAPY, COMBINATION/ FEMALE/ FIBRINOGEN, analysis/ HUMAN/ LACTATE DEHYDROGENASE, blood/ LEUKEMIA, MYELOBLASTIC, analysis/ \*LEUKEMIA, MYELOBLASTIC, therapy/ MALE/ MIDDLE AGE/ \*PREDNISONE, therapeutic use/ PROGNOSIS/ REGRESSION ANALYSIS/ REMISSION/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VINCRISTINE, therapeutic use
1250. Freyschmidt J, Hehrmann R: Primärer Hyperparathyreoidismus als Differentialdiagnose von schweren Skelettdestruktionen. Roentgenblaetter 31(9):495-502, Sep 78 (Eng. Abstr.) (Ger)  
\*BONE DISEASES, radiography/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ FINGERS, radiography/ HUMAN/ \*HYPERPARATHYROIDISM, radiography/ LEG, radiography/ MIDDLE AGE/ SKULL, radiography/ SPINAL DISEASES, radiography
1251. Fridman O, Foglia VG, De Nicola AF: Reduction in [3H]-corticosterone binding to cytoplasmic receptors in the brain of diabetic rats. J Steroid Biochem 9(7):609-14, Jul 78  
ADRENALECTOMY/ ALDOSTERONE, metabolism/ ANIMAL/ BINDING, COMPETITIVE/ \*BRAIN, metabolism/ \*CORTICOSTERONE, metabolism/ CYTOSOL, metabolism/ \*DIABETES MELLITUS, EXPERIMENTAL, metabolism/ KINETICS/ MALE/ RATS/ \*RECEPTORS, GLUCOCORTICOID, metabolism/ \*RECEPTORS, STEROID, metabolism/ TEMPERATURE
1252. Fried K: Das Überwachsen von Knorpel- und Bindegewebestrukturen der Wirbelsäule in der deformierenden Osteodystrophie. Eine Sonderform des Morbus Paget. Radiologe 18(9):362-8, Sep 78 (Eng. Abstr.) (Ger)  
ADULT/ \*CARTILAGE, physiopathology/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ OSTEITIS DEFORMANS, complications/ \*OSTEITIS DEFORMANS, physiopathology/ OSTEITIS DEFORMANS, radiography/ OSTEOMALACIA, etiology/ SACROILIAC JOINT, physiopathology/ \*SPINAL DISEASES, physiopathology/ SPINAL DISEASES, radiography
1253. Friedland RP, Whetsell WO Jr: Adrenal cortical carcinoma with Cushing's syndrome, organic psychosis, and aphasia in a seventy-one-year-old woman. Mt Sinai J Med (NY) 45(4):509-23, Jul-Aug 78  
\*ADRENAL CORTEX NEOPLASMS, complications/ ADRENAL CORTEX NEOPLASMS, pathology/ AGED/ \*APHASIA, etiology/ \*CARCINOMA, complications/ CARCINOMA, pathology/ CASE REPORT/ \*CUSHING'S SYNDROME, complications/ CUSHING'S SYNDROME, pathology/ FEMALE/ HUMAN/ \*PSYCHOSES, ORGANIC, etiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1254. Friedman AH, Piepho RW: Effect of photoperiod reversal on twenty-four hour patterns for GABA levels in rat brain. Int J Chronobiol 5(3):445-58, 1978  
ANIMAL/ \*BRAIN, metabolism/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/



# AUTHOR SECTION

- \*CIRCADIAN RHYTHM/ CORPORA  
QUADRIGEMINA, metabolism/ \*GABA, metabolism/  
HYPOTHALAMUS, metabolism/ \*LIGHT/ MALE/  
RATS/ THALAMUS, metabolism/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
1255. Friedman AM: Radioastatine: possible uses of a heavy halogen.  
pp. 139-44.  
In: Spencer RP, ed. Therapy in nuclear medicine. New  
York, Grune & Stratton, 1978. WN 450 T398 1977.  
ANIMAL/ ASTATINE, pharmacodynamics/  
\*ASTATINE, therapeutic use/  
IMMUNOSUPPRESSION/ IMMUNOTHERAPY/  
MONOGRAPH/ NEOPLASMS, radiotherapy/  
NEOPLASMS, therapy/ RATS/ THYROID GLAND,  
radiation effects
1256. Friedman MA: A review of the bleomycin experience in the  
United States. Recent Results Cancer Res 63:152-68, 1978  
(74 ref.)  
\*BLEOMYCIN, therapeutic use/ CERVIX  
NEOPLASMS, drug therapy/ FEMALE/ HEAD AND  
NECK NEOPLASMS, drug therapy/ HODGKIN'S  
DISEASE, drug therapy/ HUMAN/ LUNG  
NEOPLASMS, drug therapy/ LYMPHOMA, drug  
therapy/ MALE/ \*NEOPLASMS, drug therapy/  
REVIEW/ TESTICULAR NEOPLASMS, drug  
therapy/ UNITED STATES
1257. Friedman RM, Grollman EF, Chang EH, et al: Interferon and  
glycoprotein hormones. Tex Rep Biol Med 35:326-9, 1977  
(24 ref.)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
pharmacodynamics/ \*CELL MEMBRANE,  
metabolism/ CHOLERA TOXIN, metabolism/ DRUG  
SYNERGISM/ GANGLIOSIDES, metabolism/  
\*GLYCOPROTEINS, metabolism/ \*INTERFERON,  
metabolism/ INTERFERON, pharmacodynamics/ L  
CELLS, metabolism/ \*RECEPTORS, DRUG/  
RECEPTORS, HORMONE/ REVIEW/  
THYROTROPIN, metabolism/ VIRAL PROTEINS,  
metabolism
1258. Friedrich U, Heidl G: Das Hämangioendotheliom—ein  
kasuistischer Beitrag. Z Gesamte Inn Med 33(15):529-32, 1  
Aug 78 (Eng. Abstr.) (Ger)  
\*ADRENAL GLAND NEOPLASMS, pathology/  
CASE REPORT/ ENGLISH ABSTRACT/  
\*HEMANGIOENDOTHELIOMA, pathology/  
HUMAN/ LUNG NEOPLASMS/ LYMPHATIC  
METASTASIS/ MALE/ MIDDLE AGE/  
NEOPLASM METASTASIS/ SPINAL  
NEOPLASMS/ \*THYROID NEOPLASMS, pathology
1259. Frischau AM, Lehrach H, Rosner C, et al: Procollagen  
complementary DNA, a probe for messenger RNA  
purification and the number of type I collagen genes.  
Biochemistry 17(16):3243-9, 8 Aug 78  
ANIMAL/ BONE AND BONES, metabolism/ CHICK  
EMBRYO/ CHICKENS/ \*DNA/ DNA, metabolism/  
GENES/ KINETICS/ MOLECULAR WEIGHT/  
NUCLEIC ACID HYBRIDIZATION/ NUCLEIC  
ACID RENATURATION/ \*PROCOLLAGEN,  
biosynthesis/ PROCOLLAGEN, genetics/  
RETICULOCYTES, metabolism/ \*RNA,  
MESSENGER, isolation & purification/ RNA,  
MESSENGER, metabolism/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
1260. Frischkorn CG, Frischkorn HE, Ohst IM: Der simultane  
ppm-Nachweis des anabol wirkenden Zearanols und seines  
Metaboliten Zearalanon in Fleisch mittels hochauflösender  
Flüssigkeitschromatographie (HPLC).  
Z Lebensm Unters Forsch 167(1):7-10, 18 Aug 78 (Eng.  
Abstr.) (Ger)  
CHROMATOGRAPHY, LIQUID/ ENGLISH  
ABSTRACT/ \*MEAT, analysis/ \*RESORCINOLS,  
analysis/ ZEARALENONE, analysis/ \*ZERANOL,  
analysis
1261. Frisina N, Buemi M, Lasco A, et al: Regolazione del sistema  
renina-angiotensina-aldosterone. Ruolo delle prostaglandine.  
Minerva Med 69(42):2855-60, 15 Sep 78 (Eng. Abstr.) (Ita)  
\*ADRENAL CORTEX, physiology/ ADULT/  
\*ALDOSTERONE, secretion/ \*ANGIOTENSIN II,  
biosynthesis/ ENGLISH ABSTRACT/ HUMAN/  
INDOMETHACIN, pharmacodynamics/ \*KIDNEY,  
physiology/ MIDDLE AGE/ \*NATRIURESIS/  
NATRIURESIS, drug effects/ POSTURE/  
\*PROTAGLANDINS, physiology/ \*RENIN,  
secretion
1262. Frol'kis VV, Valueva GV, Verzhikovskaia NV: Vzaimodeistvie  
gipotalamo-gipofizarnol sistemy i schitovidnol zhelezy v  
razlichnye voznrastnye periody. Biull Eksp Biol Med  
86(8):133-7, Aug 78 (Eng. Abstr.) (Rus)  
AGE FACTORS/ ANIMAL/ ENGLISH  
ABSTRACT/ FEEDBACK/  
\*HYPOTHALAMO-HYPOPHYSEAL SYSTEM,  
physiology/ MALE/ METHYLTHIOURACIL,  
pharmacodynamics/ PITUITARY GLAND,  
ANTERIOR, analysis/ RATS/ \*THYROID GLAND,  
physiology/ THYROTROPIN, blood/  
THYROTROPIN, pharmacodynamics/ THYROXINE  
blood/ TRIIODOTHYRONINE, blood
1263. Frol'kis VV, Bezrukov VV, Muradian KhK: Gipotalamicheskaia  
regulatsiia biosinteza RNK i belka pri starenii. Fiziol Zh  
24(5):627-33, Sep-Oct 78 (Eng. Abstr.) (Rus)  
\*AGING/ ANIMAL/ BRAIN MAPPING/ ENGLISH  
ABSTRACT/ \*HYPOTHALAMUS, physiology/  
\*PROTEINS, biosynthesis/ RATS/ \*RNA, biosynthesis
1264. Frolov EP, Dunceva LP, Shatilova NV, et al: K voprosu o  
patogeneze psoriaza v svete sovremennykh predstavlenii o  
regulatsii mitotza kletok epidermisa.  
Vestn Dermatol Venerol (7):52-8, Jul 78 (52 ref.) (Rus)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
physiology/ ADENYL CYCLASE, physiology/  
CHALONES, physiology/ EPIDERMIS, metabolism/  
EPIDERMIS, pathology/ EPINEPHRINE,  
physiology/ HOMEOSTASIS/ HUMAN/  
HYPERPLASIA, pathology/ KERATIN, biosynthesis/  
\*MITOSIS/ PHOSPHODIESTERASES, physiology/  
\*PSORIASIS, etiology/ PSORIASIS, pathology/  
REVIEW/ \*SKIN, pathology
1265. Frontera-Izquierdo P, Garcia-Sala Viguier F: Diagnóstico y  
tratamiento de la bronquiolitis. An Esp Pediatr 11(5):355-64  
May 78 (Eng. Abstr.) (Spa)  
ADRENAL CORTEX HORMONES, therapeutic use/  
ANTIBIOTICS, therapeutic use/ \*BRONCHIOLITIS  
VIRAL, diagnosis/ BRONCHIOLITIS, VIRAL, drug  
therapy/ BRONCHODILATOR AGENTS, therapeutic  
use/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH  
ABSTRACT/ FLUID THERAPY/ HUMAN/  
OXYGEN INHALATION THERAPY
1266. Fruteau de Lacroix C, Jame F: La contraception orale et la  
muqueuse gingivale. Ligament (Montp) 13(119):17-20,  
Jan-Mar 76 (Fr)  
\*CONTRACEPTIVES, ORAL, pharmacodynamics/  
FEMALE/ \*GINGIVA, drug effects/ HUMAN/  
\*MOUTH MUCOSA, drug effects
1267. Fry JP, Herz A, Zieglgänsberger W: Non-specific actions of  
opioids in the rat hippocampus [proceedings]  
J Physiol (Lond) 280:15P, Jul 78  
ACTION POTENTIALS, drug effects/ ANIMAL/  
\*ENDORPHINS, pharmacodynamics/  
\*ENKEPHALINS, pharmacodynamics/  
HIPPOCAMPUS, cytology/ HIPPOCAMPUS, drug  
effects/ \*HIPPOCAMPUS, physiology/ MALE/  
\*MORPHINE, pharmacodynamics/ NEURONS, drug  
effects/ RATS
1268. Fuchs HS: Wie ist die Flugreise-fähigkeit von chronisch  
Kranken zu beurteilen? MMW. Muench Med Wochenschr  
120(35):1123-6, 1 Sep 78 (Ge)  
ACCELERATION, adverse effects/ ATMOSPHERIC  
PRESSURE/ \*AVIATION MEDICINE/  
CONTRACEPTIVES, ORAL, HORMONAL,  
administration & dosage/ DIABETES MELLITUS,  
drug therapy/ DIURNAL RHYTHM/ DRUG  
ADMINISTRATION SCHEDULE/ HUMAN/  
INSULIN, therapeutic use/ NOISE, adverse effects/  
OXYGEN CONSUMPTION/ RISK
1269. Fujieda K, Hiroshige T: Changes in rat hypothalamic content  
of corticotrophin-releasing factor (CRF) activity, plasma  
ACTH and corticosterone under stress and the effect of  
cycloheximide. Acta Endocrinol (Copenh) 89(1):10-9, Sep  
78  
\*ADRENAL CORTEX, physiopathology/ ANIMAL/  
\*CORTICOSTERONE, blood/ \*CORTICOTROPIN  
RELEASING HORMONE, metabolism/  
\*CORTICOTROPIN, blood/ \*CYCLOHEXIMIDE,  
pharmacodynamics/ \*HYPOTHALAMUS, metabolism/  
MALE/ NERVE TISSUE PROTEINS, biosynthesis/  
\*PITUITARY GLAND, ANTERIOR,  
physiopathology/ PROTEINS, biosynthesis/ RATS/



# AUTHOR SECTION

- \*STRESS, physiopathology
70. Fujii T, Kato J, Wakabayashi K: Age difference in the response to synthetic luteinizing hormone-releasing hormone (LHRH) in androgenized rats with special reference to the dose of testosterone propionate for androgenization. *Endocrinol Jpn* 25(3):281-7, Jun 78  
AGING/ ANIMAL/ BODY WEIGHT/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ \*LH, blood/ \*LH-FSH RELEASING HORMONE, pharmacodynamics/ ORGAN WEIGHT/ OVARY, anatomy & histology/ OVARY, drug effects/ PITUITARY GLAND, anatomy & histology/ PITUITARY GLAND, drug effects/ \*TESTOSTERONE, pharmacodynamics
  71. Fujimoto S: Effects of hydrocortisone and prednisolone on the diuretic and antidiuretic effects of prostaglandin E2 in rats. *Jpn J Pharmacol* 28(2):329-31, Apr 78  
ANIMAL/ \*DIURESIS, drug effects/ HYDROCORTISONE, administration & dosage/ \*HYDROCORTISONE, pharmacodynamics/ INJECTIONS, INTRAVENTRICULAR/ MALE/ PREDNISOLONE, administration & dosage/ \*PREDNISOLONE, pharmacodynamics/ PROSTAGLANDINS E, administration & dosage/ PROSTAGLANDINS E, antagonists & inhibitors/ PROSTAGLANDINS E, pharmacodynamics/ RATS
  72. Fujimoto Y, Obara T: [Multiple endocrine neoplasia (type II)] *Nippon Rinsho Suppl*:1524-5, May 78 (Jpn)  
\*ADENOMA/ \*CARCINOMA/ HUMAN/ \*NEOPLASMS, MULTIPLE PRIMARY/ \*PARATHYROID NEOPLASMS/ PHEOCHROMOCYTOMA/ \*THYROID NEOPLASMS
  73. Fujimura N: [Bone metastases from breast cancer as detected by bone scintigraphy with 99mTc-phosphorous compounds (author's transl)] *Nippon Igaku Hoshasen Gakkai Zasshi* 38(5):449-56, 25 May 78 (Eng. Abstr.) (Jpn)  
ADULT/ AGED/ \*BONE AND BONES, radionuclide imaging/ \*BONE NEOPLASMS, radionuclide imaging/ \*BREAST NEOPLASMS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEOPLASM STAGING/ PROGNOSIS/ \*TECHNETIUM, diagnostic use
  74. Fujita T: [Primary hyperparathyroidism] *Nippon Rinsho Suppl*:1570-1, May 78 (Jpn)  
HUMAN/ \*HYPERPARATHYROIDISM
  75. Fujiya H, Kawao A, Yanaihara N, et al: [Malignant insulin-gastrin-somatostatinoma (author's transl)] *Hormon To Rinsho* 26(6):591-3, Jun 78 (Jpn)  
CASE REPORT/ \*GASTRINS, secretion/ \*HORMONES, ECTOPIC, secretion/ HUMAN/ \*INSULIN, secretion/ \*LIVER NEOPLASMS, secretion/ MALE/ MIDDLE AGE/ \*SOMATOTROPIN RELEASE INHIBITING HORMONE, secretion/ STOMACH ULCER, metabolism
  76. Fukuchi S: [Primary aldosteronism and analogous diseases] *Nippon Rinsho Suppl*:1578-9, May 78 (Jpn)  
HUMAN/ \*HYPERALDOSTERONISM, diagnosis/ \*RENIN, blood
  77. Fukunaga M, Dokoh S, Yamamoto I, et al: [Adrenal scintigraphy in the patients with primary aldosteronism: localizing and differential diagnosis by dexamethasone suppression scintigraphy (author's transl)] *Kaku Igaku* 15(4):545-51, Jun 78 (Eng. Abstr.) (Jpn)  
\*ADRENAL GLANDS, radionuclide imaging/ ADULT/ \*DEXAMETHASONE, diagnostic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYPERALDOSTERONISM, radionuclide imaging/ MALE/ METHODS/ MIDDLE AGE
  78. Fulka J, Motlik J, Pavlok A: Heat and conception rate after synchronisation of oestrus with cloprostenol. *Vet Rec* 103(3):52-3, 15 Jul 78  
ANIMAL/ \*CATTLE, physiology/ \*CLOPROSTENOL, pharmacodynamics/ \*ESTRUS SYNCHRONIZATION, drug effects/ \*ESTRUS/ FEMALE/ \*FERTILIZATION/ INSEMINATION, ARTIFICIAL, veterinary/ PREGNANCY/ \*PROSTAGLANDINS F, SYNTHETIC, pharmacodynamics
  79. Fuller RW, Snoddy HD, Wong DT, et al: Studies on maxindol as an amine uptake inhibitor. *Commun Psychopharmacol* 2(3):223-30, 1978  
P-CHLOROAMPHETAMINE, pharmacodynamics/ ANIMAL/ \*BRAIN, metabolism/ \*DOPAMINE, metabolism/ HYDROXYDOPAMINE, antagonists & inhibitors/ HYDROXYDOPAMINE, pharmacodynamics/ \*INDOLES, pharmacodynamics/ MALE/ \*MAZINDOL, pharmacodynamics/ \*NOREPINEPHRINE, metabolism/ RATS/ RECEPTORS, ADRENERGIC, drug effects/ RECEPTORS, ADRENERGIC, metabolism/ RECEPTORS, SEROTONIN, drug effects/ \*SEROTONIN, metabolism/ SYNAPTOSOMES, metabolism
  1280. Fuller RW: Structure-activity relationships among the halogenated amphetamines. *Ann NY Acad Sci* 305:147-59, 12 Jun 78 (55 ref.)  
P-CHLOROAMPHETAMINE, analogs & derivatives/ \*P-CHLOROAMPHETAMINE, pharmacodynamics/ \*AMPHETAMINES, pharmacodynamics/ ANIMAL/ CHLORMETHAMPHETAMINE, pharmacodynamics/ NEURONS, drug effects/ NEURONS, metabolism/ REVIEW/ \*SEROTONIN ANTAGONISTS, pharmacodynamics/ SEROTONIN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP
  1281. Fuller RW, Perry KW: Effect of uptake inhibitors on the depletion of brain norepinephrine and serotonin after alpha-methyl-m-tyrosine administration to rats. *Arch Int Pharmacodyn Ther* 234(2):229-35, Aug 78  
ANIMAL/ \*BRAIN CHEMISTRY, drug effects/ CHLORIMIPRAMINE, pharmacodynamics/ DRUG INTERACTIONS/ FLUOXETIN, pharmacodynamics/ MALE/ METHYLTYROSINES, metabolism/ \*METHYLTYROSINES, pharmacodynamics/ \*NOREPINEPHRINE, metabolism/ PROTRIPTYLINE, pharmacodynamics/ RATS/ \*SEROTONIN, metabolism/ TIME FACTORS
  1282. Fuller RW, Nagarajan R: Inhibition of methyltransferases by some new analogs of S-adenosylhomocysteine. *Biochem Pharmacol* 27(15):1981-3, 1978  
ADRENAL GLANDS, enzymology/ ANIMAL/ BRAIN, enzymology/ GUINEA PIGS/ \*HOMOCYSTEINE, analogs & derivatives/ IN VITRO/ LIVER, enzymology/ \*METHYLTRANSFERASES, antagonists & inhibitors/ RABBITS/ RATS/ \*S-ADENOSYLHOMOCYSTEINE, analogs & derivatives/ S-ADENOSYLHOMOCYSTEINE, pharmacodynamics
  1283. Funakawa S, Yamamoto K: Storage form of renin in the dog kidney. *Jpn Circ J* 42(5):633-7, May 78  
ANIMAL/ CALCIUM, pharmacodynamics/ CHROMATOGRAPHY, GEL/ DOGS/ IN VITRO/ KIDNEY CORTEX, enzymology/ \*KIDNEY, enzymology/ MAGNESIUM, pharmacodynamics/ MOLECULAR WEIGHT/ \*RENIN, metabolism
  1284. Funderburk SJ, Ferjo N: Clinical observations in Klinefelter (47,XXY) syndrome. *J Ment Defic Res* 22(3):207-12, Sep 78  
ADOLESCENCE/ ADULT/ ATROPHY/ BODY HEIGHT/ BRAIN DISEASES, pathology/ CEPHALOMETRY/ CHILD/ ENCEPHALOPATHY, complications/ FEMALE/ HUMAN/ INTELLIGENCE/ \*KLINEFELTER'S SYNDROME, complications/ \*LANGUAGE DEVELOPMENT/ \*MENTAL DISORDERS, complications/ UNITED STATES GOVT SUPPORTED, P.H.S./ VERBAL BEHAVIOR
  1285. Furcht LT, Wendelschafer-Crabb G, Woodbridge PA: Cell surface changes accompanying myoblast differentiation. *J Supramol Struct* 7(3-4):307-22, 1977  
\*CELL DIFFERENTIATION/ CELL DIFFERENTIATION, drug effects/ CELL DIVISION, drug effects/ CELL LINE/ CELL MEMBRANE, metabolism/ \*CELL MEMBRANE, ultrastructure/ CONCAVALIN A, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ HISTOCYTOCHEMISTRY/ INSULIN, pharmacodynamics/ MEMBRANE FLUIDITY/ \*MUSCLES, cytology/ RECEPTORS, CONCAVALIN A, metabolism/ UNITED STATES GOVT SUPPORTED, P.H.S.
  1286. Furey NL, Esterly NB: Lupus erythematosus. *Major Probl Clin Pediatr* 19:367-403, 1978 (254 ref.)

# AUTHOR SECTION

ADOLESCENCE/ ADRENAL CORTEX  
HORMONES, therapeutic use/  
ANTIGEN-ANTIBODY COMPLEX/  
ANTINUCLEAR FACTORS/ COMPLEMENT,  
analysis/ CRYOGLOBULINS, analysis/ DNA,  
immunology/ FALSE POSITIVE REACTIONS/  
HUMAN/ LIFE STYLE/ \*LUPUS  
ERYTHEMATOSUS, SYSTEMIC/ LUPUS  
ERYTHEMATOSUS, SYSTEMIC, immunology/  
LUPUS ERYTHEMATOSUS, SYSTEMIC, pathology/  
LUPUS ERYTHEMATOSUS, SYSTEMIC, therapy/  
PATIENTS, education/ REVIEW/ SKIN  
MANIFESTATIONS/ SYPHILIS SERODIAGNOSIS

1287. Furth J, Nakane P, Pasteels JL: Tumours of the pituitary gland. IARC Sci Publ (6):201-37, 1976 (113 ref.)  
ADENOMA, BASOPHILIC, pathology/ ADENOMA, CHROMOPHOBE, pathology/ ADENOMA, EOSINOPHILIC, pathology/ ANIMAL/ COMPARATIVE STUDY/ NEOPLASMS, EXPERIMENTAL, pathology/ NOMENCLATURE/ PITUITARY HORMONES, secretion/ PITUITARY NEOPLASMS, etiology/ PITUITARY NEOPLASMS, metabolism/ \*PITUITARY NEOPLASMS, pathology/ PITUITARY NEOPLASMS, secretion/ RATS/ REVIEW/ STAINS AND STAINING/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1288. Furudate S: On the activation of the corpus luteum of rat estrous cycle with phenobarbital anesthesia. II. Blockade by luteinizing hormone of phenobarbital-induced pseudopregnancy. Kitasato Arch Exp Med 50(1-2):47-56, Jun 77  
ANIMAL/ CORPUS LUTEUM, drug effects/ ESTRUS, drug effects/ FEMALE/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ \*LH, pharmacodynamics/ LH-FSH RELEASING HORMONE, pharmacodynamics/ \*PHENOBARBITAL, antagonists & inhibitors/ \*PSEUDOPREGNANCY, drug effects/ RATS
1289. Furukawa K: [Mechanisms of contraction and relaxation in the response to 5-hydroxytryptamine of isolated rat ileum (author's transl)] Nippon Yakurigaku Zasshi 74(4):525-37, May 78 (Eng. Abstr.) (Jpn)  
ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ HYDROXYDOPAMINE, pharmacodynamics/ ILEUM, drug effects/ IN VITRO/ MALE/ MECAMYLAMINE, pharmacodynamics/ METHYERGIDE, antagonists & inhibitors/ METHYERGIDE, pharmacodynamics/ MORPHINE, pharmacodynamics/ \*MUSCLE CONTRACTION, drug effects/ \*MUSCLE RELAXATION, drug effects/ \*MUSCLE, SMOOTH, drug effects/ PHYSOSTIGMINE, pharmacodynamics/ RATS/ RECEPTORS, DRUG/ SEROTONIN ANTAGONISTS/ \*SEROTONIN, pharmacodynamics/ TETRODOTOXIN, pharmacodynamics
1290. Fuss M, Geurts J, Dupont E, et al: Evolution of parathyroid hormone and calcitonin plasma levels during haemodialysis and following renal transplantation. Acta Clin Belg 33(1):16-22, 1978  
\*CALCITONIN, blood/ \*HEMODIALYSIS/ HUMAN/ \*KIDNEY FAILURE, CHRONIC, blood/ KIDNEY FAILURE, CHRONIC, surgery/ \*KIDNEY, transplantation/ \*PARATHYROID HORMONE, blood/ TRANSPLANTATION, HOMOLOGOUS
1291. Futrakul P, Posyachinda M: Kinetic evaluation on hemostasis in the steroid-sensitive nephrotic syndrome. J Singapore Paediatr Soc 19(4):273-6, Dec 77  
ADOLESCENCE/ BLOOD CELL COUNT/ BLOOD PLATELETS/ CHILD/ CHILD, PRESCHOOL/ FACTOR V, metabolism/ FIBRINOGEN, metabolism/ \*HEMOSTASIS/ HUMAN/ \*NEPHROTIC SYNDROME, blood/ NEPHROTIC SYNDROME, drug therapy/ STEROIDS, therapeutic use
1292. Fuxe K, Ogren SO, Agnati LF, et al: 5,7-Dihydroxytryptamine as a tool to study the functional role of central 5-hydroxytryptamine neurons. Ann NY Acad Sci 305:346-69, 12 Jun 78  
ANIMAL/ AXONS, physiology/ BINDING SITES, drug effects/ BRAIN, metabolism/ CENTRAL NERVOUS SYSTEM, cytology/ \*CENTRAL NERVOUS SYSTEM, physiology/

\*DIHYDROXYTRYPTAMINES, diagnostic use, LYSERGIC ACID DIETHYLAMIDE, metabolism/ MALE/ NEURAL PATHWAYS, physiology/ \*NEURONS, physiology/ RAPHE NUCLEI, physiology/ RATS/ SEROTONIN ANTAGONISTS, pharmacodynamics/ SEROTONIN, metabolism/ \*SEROTONIN, physiology/ \*5,7-DIHYDROXYTRYPTAMINE, diagnostic use, 5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics

## G

1293. Gaál M, László J, Böszö P: 46,XY pure gonadal dysgenesis with non-fluorescent Y chromosome. Clin Genet 14(2): Aug 78  
ADOLESCENCE/ AMENORRHEA, familial & genetic/ CASE REPORT/ FEMALE/ HUMAN/ PHOTOMETRY/ \*SEX CHROMOSOMES/ STAINS AND STAINING/ \*TURNER'S SYNDROME, familial & genetic/ \*Y CHROMOSOME
1294. Gabriel M, Lenard HG, Goebel HH: Die progressive cerebrale Ophthalmoplegie. Klin Paediatr 190(5):441-5, Sep 78 (Abstr.)  
ADOLESCENCE/ BIOPSY/ BLEPHAROPTOSIS, complications/ CASE REPORT/ CEREBROSPINAL FLUID PROTEINS, analysis/ DWARFISM, complications/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MITOCHONDRIA, MUSCLE, ultrastructure/ MUSCLES, pathology/ MUSCULAR ATROPHY, complications/ OPHTHALMOPLEGIA, cerebrospinal fluid/ OPHTHALMOPLEGIA, complications/ \*OPHTHALMOPLEGIA, diagnosis/ OPHTHALMOPLEGIA, pathology
1295. Gabriel P, Chilla R: Dysphonie nach Strumektomie. Kehlnerven- und Stimmveränderungen als Folge von Schilddrüsenoperationen. Chirurg 49(9):576-9, Sep 78 (Abstr.)  
\*APHONIA, etiology/ ENGLISH ABSTRACT/ HUMAN/ LARYNGEAL DISEASES, etiology/ LARYNX, physiopathology/ \*THYROIDECTOMY, adverse effects/ VOCAL CORDS, physiopathology
1296. Gabrielli O, Maiorana A, Paris D, et al: Presentazione di un caso di tirosinemia tipo 1, forma cronica. Trattamenti dietetico e decorso clinico. Minerva Pediatr 30(16):1331, Aug 78 (Eng. Abstr.)  
ADOLESCENCE/ \*AMINO ACID METABOLISM/ INBORN ERRORS/ AMINO ACID METABOLISM/ INBORN ERRORS, complications/ AMINO ACID METABOLISM, INBORN ERRORS, diet therapy/ CASE REPORT/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ HEPATOMEGALY, etiology/ HUMAN/ MALE/ RICKETS, etiology/ SPLENOMEGALY, etiology/ \*TYROSINE, blood/ TYROSINE, metabolism
1297. Gachályi B, Káldor A: Effect of clonidine (Haemiton) on renin level and angiotensin sensitivity in man. Int J Clin Pharmacol Biopharm 16(9):433-6, Sep 78  
ADULT/ \*ANGIOTENSIN II, pharmacodynamics/ BLOOD PRESSURE, drug effects/ CLONIDINE, adverse effects/ \*CLONIDINE, pharmacodynamics/ FEMALE/ HUMAN/ MALE/ MIDDLE AGED/ \*RENIN, blood/ SPIRONOLACTONE, pharmacodynamics
1298. Gafni Y, Schwartzman M, Raz A: Prostaglandin biosynthesis in rabbit kidney medulla: inhibition in-vitro vs. in-vivo by aspirin, indomethacin and meclofenamic acid. Prostaglandins 15(5):759-72, May 78  
ANIMAL/ \*ANTHRANILIC ACIDS, pharmacodynamics/ ASPIRIN, blood/ \*ASPIRIN, pharmacodynamics/ COMPARATIVE STUDY/ FEMALE/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ \*INDOMETHACIN, pharmacodynamics/ KIDNEY MEDULLA, drug effects/ \*KIDNEY MEDULLA, metabolism/ MECLOFENAMIC ACID, blood/ \*MECLOFENAMIC ACID, pharmacodynamics/ PROSTAGLANDIN SYNTHASE, antagonists & inhibitors/ \*PROSTAGLANDINS, biosynthesis/ RABBITS/ TIME FACTORS
1299. Gage JP: Taurodontism and enamel hypomaturation associated with X-linked abnormalities. Clin Genet 14(3):159-78  
ADOLESCENCE/ ADULT/ ANEUPLOIDY/ CASE REPORT/ \*DENTAL ENAMEL, abnormalities



# AUTHOR SECTION

- GENES, RECESSIVE/ HUMAN/ LINKAGE (GENETICS)/ MALE/ PEDIGREE/ \*SEX CHROMOSOMES/ \*TOOTH ABNORMALITIES, familial & genetic/ \*X CHROMOSOME
1300. Gagliardino JJ, Pessacq MT, Hernandez RE, et al: Circadian variations in serum glucagon and hepatic glycogen and cyclic amp concentrations. *J Endocrinol* 78(2):297-8, Aug 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ \*CIRCADIAN RHYTHM/ FEMALE/ \*GLUCAGON, blood/ \*GLYCOGEN, metabolism/ \*LIVER, metabolism/ MICE
1301. Gaitan E, Merino H, Rodríguez G, et al: Epidemiology of endemic goitre in western Colombia. *Bull WHO* 56(3):403-16, 1978  
ADOLESCENCE/ CHILD/ COLOMBIA/ FEMALE/ GEOLOGY/ GOITER, ENDEMIC, etiology/ \*GOITER, ENDEMIC, occurrence/ GOITER, ENDEMIC, urine/ HUMAN/ IODINE, urine/ MALE/ \*THYROID ANTAGONISTS, adverse effects/ \*WATER SUPPLY
1302. Gajdos-Preuss A, Schaison M, Fontaine M: Manifestations ophtalmologiques des adénomes hypophysaires. *J Fr Ophtalmol* 1(6-7):427-38, Jun-Jul 78 (Eng. Abstr.)  
(Fre)  
\*ADENOMA, complications/ ADENOMA, surgery/ ADULT/ ENGLISH ABSTRACT/ \*EYE MANIFESTATIONS/ FEMALE/ HEMIANOPSIA, etiology/ HUMAN/ MALE/ \*PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, surgery/ \*VISION DISORDERS, etiology/ VISUAL FIELDS
1303. Gallant S, Bruckheimer SM, Brownie AC: The use of high-pressure liquid chromatography in the simultaneous assay of 11beta-hydroxylase and 18-hydroxylase in zona fasciculata-reticularis tissue of the rat adrenal cortex. *Anal Biochem* 89(1):196-202, 15 Aug 78  
\*ADRENAL CORTEX, enzymology/ ANIMAL/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ CORTICOSTERONE, metabolism/ DESOXYCORTICOSTERONE, metabolism/ FEMALE/ METYRAPONE, pharmacodynamics/ MITOCHONDRIA, enzymology/ RATS/ \*STEROID HYDROXYLASES, analysis/ STEROID-11-HYDROXYLASE, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 18-HYDROXYDESOXYCORTICOSTERONE, metabolism
1304. Galpin JE, Shinaberger JH, Stanley TM, et al: Acute interstitial nephritis due to methicillin. *Am J Med* 65(5):756-65, Nov 78  
ADULT/ FEMALE/ HUMAN/ KIDNEY, pathology/ MALE/ \*METHICILLIN, adverse effects/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ \*NEPHRITIS, INTERSTITIAL, chemically induced/ NEPHRITIS, INTERSTITIAL, diagnosis/ NEPHRITIS, INTERSTITIAL, drug therapy/ PREDNISONE, therapeutic use
1305. Galvan G: Diagnostische Strategie bei Verdacht auf Schilddrüsenerkrankungen in der Praxis. *Wien Med Wochenschr* 128(15):452-4, 15 Aug 78 (Ger)  
ACHILLES TENDON/ \*FAMILY PRACTICE/ HUMAN/ METHODS/ RADIONUCLIDE IMAGING/ REFLEX, TENDON/ THYROID DISEASES, blood/ \*THYROID DISEASES, diagnosis/ THYROID FUNCTION TESTS/ THYROID HORMONES, blood/ THYROID NEOPLASMS, radionuclide imaging
1306. Galvan G: Praxisbezogenes diagnostisches Programm zur Verlaufskontrolle während und nach der Therapie von Schilddrüsenerkrankungen. *Wien Med Wochenschr* 128(16):529-32, 1978 (Ger)  
ADULT/ AGED/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ HYPERTHYROIDISM, radiotherapy/ HYPERTHYROIDISM, surgery/ HYPOTHYROIDISM, drug therapy/ MALE/ MIDDLE AGE/ \*THYROID DISEASES, diagnosis/ THYROID DISEASES, therapy/ THYROID FUNCTION TESTS/ THYROID HORMONES, therapeutic use/ THYROID NEOPLASMS, therapy
1307. Galvin MJ, Shupe K, Lefer AM: Anti-endotoxin actions of methylprednisolone in the isolated perfused cat liver. *Pharmacology* 17(4):181-90, 1978  
ANIMAL/ CATHEPSINS, metabolism/ CATS/ \*ENDOTOXINS, antagonists & inhibitors/ FEMALE/ \*HEPATITIS, TOXIC, prevention & control/ LACTATE DEHYDROGENASE, metabolism/ LIVER, cytology/ \*LIVER, drug effects/ LIVER, enzymology/ LYSOSOMES, drug effects/ LYSOSOMES, ultrastructure/ MALE/ \*METHYLPREDNISOLONE, pharmacodynamics/ OXYGEN CONSUMPTION, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VACUOLES, drug effects/ VACUOLES, ultrastructure
1308. Gambrell RD Jr: The role of hormones in endometrial cancer. *South Med J* 71(10):1280-6, 1293, Oct 78 (45 ref.)  
ADENOCARCINOMA, etiology/ ADULT/ AGED/ ANDROGENS, physiology/ ANDROGENS, therapeutic use/ CONTRACEPTIVES, ORAL, SYNTHETIC, adverse effects/ DIETHYLSTILBESTROL, adverse effects/ \*ESTROGENS, adverse effects/ ESTROGENS, physiology/ FEMALE/ HUMAN/ HYPERPLASIA, drug therapy/ MENOPAUSE/ MIDDLE AGE/ PROGESTATIONAL HORMONES, physiology/ PROGESTATIONAL HORMONES, therapeutic use/ RETROSPECTIVE STUDIES/ REVIEW/ RISK/ \*UTERINE NEOPLASMS, etiology
1309. Gammill S, Page R, Lee L: CAT scan of the month. *J Tenn Med Assoc* 71(8):608, Aug 78  
ABDOMEN, radiography/ ADRENAL GLANDS, pathology/ \*ADRENAL GLANDS, radiography/ CASE REPORT/ FEMALE/ HUMAN/ HYPERPLASIA/ MIDDLE AGE/ \*TOMOGRAPHY, COMPUTERIZED AXIAL
1310. Ganel A, Parin I: [Bone scanning as a diagnostic tool in bone traumatology (editorial)] *Harefuah* 94(10):340-1, 15 May 78 (Heb)  
\*BONE AND BONES, injuries/ \*BONE AND BONES, radionuclide imaging/ HUMAN
1311. Gangarosa LP, Park NH, Fong BC, et al: Conductivity of drugs used for iontophoresis. *J Pharm Sci* 67(10):1439-43, Oct 78  
ADRENAL CORTEX HORMONES, administration & dosage/ ANESTHETICS, LOCAL, administration & dosage/ ANTINEOPLASTIC AGENTS, administration & dosage/ ANTIVIRAL AGENTS, administration & dosage/ \*DRUGS, administration & dosage/ ELECTRIC CONDUCTIVITY/ \*IONTOPHORESIS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOCONSTRICTOR AGENTS, administration & dosage
1312. Gange RW, Jones EW: Kaposi's sarcoma and immunosuppressive therapy: an appraisal. *Clin Exp Dermatol* 3(2):135-46, Jun 78  
ADULT/ AGED/ CASE REPORT/ HUMAN/ \*IMMUNOSUPPRESSIVE AGENTS, adverse effects/ MALE/ MIDDLE AGE/ \*SARCOMA, KAPOSI'S, chemically induced/ \*SKIN NEOPLASMS, chemically induced/ STEROIDS, adverse effects
1313. Gann DS, Ward DG, Baertschi AJ, et al: Neural control of ACTH release in response to hemorrhage. *Ann NY Acad Sci* 297:477-97, 28 Oct 77  
ANIMAL/ \*BRAIN, physiopathology/ CATS/ \*CORTICOTROPIN, secretion/ HEART ATRIUM, innervation/ \*HEMORRHAGE, physiopathology/ HYPOTHALAMUS, physiopathology/ MEDULLA OBLONGATA, physiopathology/ MESENCEPHALON, physiopathology/ NEURAL PATHWAYS/ PONS, physiopathology/ RECEPTORS, SENSORY
1314. Ganong WF: Neurotransmitters involved in ACTH secretion: catecholamines. *Ann NY Acad Sci* 297:509-17, 28 Oct 77  
\*CORTICOTROPIN, secretion/ DOGS/ EPINEPHRINE, physiology/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, physiology/ LEVODOPA, physiology/ \*NEUROHORMONS, physiology/ NOREPINEPHRINE, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1315. Ganten D, Hutchinson JS, Schelling P: The intrinsic brain iso-renin-angiotensin system in the rat: its possible role in central mechanisms of blood pressure regulation. *Clin Sci Mol Med* 48 Suppl 2:265s-268s, Jun 75  
ANGIOTENSIN II, administration & dosage/ \*ANGIOTENSIN II, cerebrospinal fluid/ ANGIOTENSINS, secretion/ ANIMAL/ \*BLOOD PRESSURE, drug effects/ \*BRAIN, secretion/



## AUTHOR SECTION

- \*DIABETES INSIPIDUS, cerebrospinal fluid/  
\*HYPERTENSION, cerebrospinal fluid/  
HYPERTENSION, familial & genetic/ INJECTIONS,  
INTRAVENTRICULAR/ RATS/ SARALASIN,  
administration & dosage/ SARALASIN,  
pharmacodynamics
1316. Garay Salas E, Marañón González G, Marín Rojas MC, et al:  
Valor clínico del test la TRH en el estudio de la reserva  
hipofisaria y en el diagnóstico diferencial de los  
hipotiroidismos. *Rev Clin Esp* 149(5):435-40, 15 Jun 78 (Eng.  
Abstr.) (Spa)  
ADULT/ DIAGNOSIS, DIFFERENTIAL/  
ENGLISH ABSTRACT/ FEMALE/ HUMAN/  
\*HYPOTHYROIDISM, diagnosis/ MALE/ MIDDLE  
AGE/ SECRETORY RATE/ \*THYROID GLAND,  
physiology/ \*THYROTROPIN RELEASING  
HORMONE, diagnostic use/ THYROTROPIN,  
secretion
1317. Garber AJ: The regulation of skeletal muscle alanine and  
glutamine formation and release in experimental chronic  
uremia in the rat: subsensitivity of adenylate cyclase and  
amino acid release to epinephrine and serotonin.  
*J Clin Invest* 62(3):633-41, Sep 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ \*ADENYL CYCLASE, secretion/  
\*ALANINE, metabolism/ ALANINE, secretion/  
\*AMINO ACIDS, secretion/ ANIMAL/ CHRONIC  
DISEASE/ \*EPINEPHRINE, pharmacodynamics/  
\*GLUTAMINE, metabolism/ GLUTAMINE,  
secretion/ IN VITRO/ MUSCLES, drug effects/  
MUSCLES, metabolism/ MUSCLES, secretion/  
RATS/ \*SEROTONIN, pharmacodynamics/ UNITED  
STATES GOV'T SUPPORTED, P.H.S./ \*UREMIA,  
metabolism/ UREMIA, physiopathology
1318. Garber AJ, Entman ML, Birnbaumer L: Cholinergic stimulation  
of skeletal muscle alanine and glutamine formation and  
release. Evidence for mediation by a nicotinic cholinergic  
receptor and guanosine 3':5'-monophosphate.  
*J Biol Chem* 253(21):7924-30, 10 Nov 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ \*ALANINE, metabolism/ \*AMMONIUM  
COMPOUNDS, pharmacodynamics/ ANIMAL/  
ATROPINE, pharmacodynamics/ \*CARBACHOL,  
pharmacodynamics/ \*GLUTAMINE, metabolism/  
GLYCOGEN PHOSPHORYLASE, metabolism/  
\*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ HEXAMETHONIUM COMPOUNDS,  
pharmacodynamics/ MUSCLES, drug effects/  
\*MUSCLES, metabolism/ PILOCARPINE,  
pharmacodynamics/ RATS/ \*RECEPTORS,  
CHOLINERGIC, metabolism/ \*RECEPTORS,  
NICOTINIC, metabolism/ THEOPHYLLINE,  
pharmacodynamics/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./  
1-METHYL-3-ISOBUTYLXANTHINE,  
pharmacodynamics
1319. García M, Rochefort H: Androgen effects mediated by estrogen  
receptor in 7,12-dimethylbenz(a)anthracene-induced rat  
mammary tumors. *Cancer Res* 38(11 Pt 1):3922-9, Nov 78  
ANIMAL/ \*BENZANTHRACENES/ BINDING  
SITES/ CELL NUCLEUS, metabolism/ CYTOSOL,  
metabolism/ ESTRADIOL, pharmacodynamics/  
FEMALE/ LEUCINE, metabolism/ MAMMARY  
NEOPLASMS, EXPERIMENTAL, chemically  
induced/ \*MAMMARY NEOPLASMS,  
EXPERIMENTAL, drug therapy/ MAMMARY  
NEOPLASMS, EXPERIMENTAL, metabolism/  
NEOPLASM PROTEINS, biosynthesis/ RATS/  
\*RECEPTORS, ESTROGEN, drug effects/  
RECEPTORS, ESTROGEN, metabolism/  
STANOLONE, metabolism/ \*STANOLONE,  
pharmacodynamics/  
\*9,10-DIMETHYL-1,2-BENZANTHRACENE
1320. García SF, Cordero J, Olivós P, et al: Síndrome de  
Guillain-Barré y strophil, forma landry. Manejo con respirador  
mecánico. *Rev Chil Pediatr* 48(1):10-8, Jan-Feb 77 (Spa)  
CHILD/ CHILD, PRESCHOOL/ COMPARATIVE  
STUDY/ HUMAN/ INFANT/ INFANT,  
NEWBORN/ PAPAIN, therapeutic use/  
POLYRADICULONEURITIS, complications/  
\*POLYRADICULONEURITIS, therapy/  
PREDNISONE, therapeutic use/ \*RESPIRATION,  
ARTIFICIAL, methods/ RESPIRATORY  
INSUFFICIENCY, etiology/ RESPIRATORY  
INSUFFICIENCY, therapy/ RESPIRATORY
- PARALYSIS, etiology/ RESPIRATORY  
PARALYSIS, therapy/ TIME FACTORS/  
TRACHEOTOMY
1321. García-Ramos JL, Mico Marzo JM, Pérez-García A, et al:  
La actividad renina plasmática en la gestación normal y en  
la toxemia gravídica. *Rev Clin Esp* 149(5):441-3, 15 Jun 78  
(Eng. Abstr.)  
ADULT/ COMPARATIVE STUDY/ ENGLISH  
ABSTRACT/ FEMALE/ HUMAN/ \*PREGNAN-  
CY, toxemia, blood/ PREGNANCY TRIMESTER,  
FIRST/ PREGNANCY TRIMESTER, THIRD/  
PREGNANCY/ \*RENIN, blood
1322. García-Segura LM, Suarez Najera I, Fernandez Ruiz B, et al:  
Topographical distribution of concanavalin A binding  
in hypothalamus. *Folia Morphol (Praha)* 26(3):262-71, 1977  
ANIMAL/ CATS/ HISTOCYTOCHEMISTRY/  
\*HYPOTHALAMUS, metabolism/ MALE/ RAT/  
\*RECEPTORS, CONCAVALIN A, metabolism/  
\*RECEPTORS, DRUG, metabolism
1323. García-Sevilla JA, Magnusson T, Carlsson A: Effect of  
intracerebroventricularly administered somatostatin on the  
monoamine turnover. *Brain Res* 155(1):159-64, 20 Oct 78  
ADULT/ BEHAVIOR, ANIMAL, drug effects/  
\*BRAIN, metabolism/ DOPA, metabolism/  
\*DOPAMINE, metabolism/ DOSE-RESPONSE  
RELATIONSHIP, DRUG/  
HYDROXYINDOLEACETIC ACID, metabolism/  
HYDROXYTRYPTOPHAN, metabolism/  
INJECTIONS, INTRAVENTRICULAR/ MALE/  
\*NOREPINEPHRINE, metabolism/ RATS/  
\*SEROTONIN, metabolism/ SOMATOTROPIN  
RELEASE INHIBITING HORMONE, adminis-  
tration & dosage/ \*SOMATOTROPIN RELEASE  
INHIBITING HORMONE, pharmacodynamics
1324. Gardner DG, Girgis SS: Taurodontism, shovel-shaped incisors  
and the Klinefelter syndrome. *Dent J* 44(8):372-3, Sep 78  
ADULT/ CASE REPORT/ CHILD/ \*DENTAL  
PULP CAVITY, abnormalities/ HUMAN/ INCISOR,  
abnormalities/ \*KLINEFELTER'S SYNDROME,  
complications/ MALE/ MOLAR, abnormalities/  
MOLAR, radiography/ \*TOOTH ABNORMALITIES,  
etiology
1325. Gardner EA, Thompson WJ, Strada SJ, et al: Characterization  
of soluble uterine cyclic nucleotide phosphodiesterase.  
*Biochemistry* 17(15):2995-3000, 25 Jul 78  
ANIMAL/ CYTOSOL, enzymology/ ESTRADIOL,  
pharmacodynamics/ FEMALE/ KINETICS/ RATS/  
UNITED STATES GOV'T SUPPORTED, P.H.S./  
UTERUS, drug effects/ \*UTERUS, enzymology/  
3',5'-CYCLIC AMP PHOSPHODIESTERASE,  
isolation & purification/ \*3',5'-CYCLIC AMP  
PHOSPHODIESTERASE, metabolism/ 3',5'-CYCLIC  
GMP PHOSPHODIESTERASE, isolation &  
purification/ \*3',5'-CYCLIC GMP  
PHOSPHODIESTERASE, metabolism
1326. Garfield SA, Scott AC, Cardell RR Jr: Alterations in hepatic  
fine structure after chronic exposure of rats to  
dexamethasone. *Anat Rec* 192(1):73-87, Sep 78  
ANIMAL/ DEXAMETHASONE, administration  
dosage/ \*DEXAMETHASONE, pharmacodynamics/  
ENDOPLASMIC RETICULUM, drug effects/  
LIPOPROTEINS, blood/ \*LIPOPROTEINS, VLDL,  
metabolism/ LIVER GLYCOGEN, metabolism/  
\*LIVER, drug effects/ LIVER, ultrastructure/  
LYSOSOMES, drug effects/ MALE/ MICROSCOPY,  
ELECTRON/ RATS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
1327. Garmatina SM, Novikov BG, Danilova OV: Sostoiianie  
neirosekretornoi iader gipotalamusa pri stressornoi lin-  
kur. *Fiziol Zh* 24(5):681-6, Sep-Oct 78 (Eng. Abstr.)  
ANIMAL/ \*CHICKENS/ ENGLISH ABSTRACT/  
\*HYPOTHALAMUS, pathology/ \*LIGHT/  
\*PERIODICITY/ \*STRESS, pathology
1328. Garson A Jr, Hawkins EP, Mullins CE, et al:  
Thoracoabdominal ectopia cordis with mosaic Turner  
syndrome: Report of a case. *Pediatrics* 62(2):218-21, Feb 78  
ABDOMINAL WALL, abnormalities/  
\*ABNORMALITIES, MULTIPLE/ CASE REPORT/  
DIAPHRAGM, abnormalities/ FEMALE/ \*HEART  
DEFECTS, CONGENITAL, complications/ HEART  
DEFECTS, CONGENITAL, mortality/ HEART  
DEFECTS, CONGENITAL, pathology/ HUMAN



# AUTHOR SECTION

INFANT/ INFANT, NEWBORN/ MODELS, BIOLOGICAL/ MOSAICISM/ MYOCARDIUM, pathology/ \*TURNER'S SYNDROME, complications/ TURNER'S SYNDROME, diagnosis

1329. Garszel J, Olędzka R: Badania nad wpływem chlorfenwinfosu i karbarylu na metabolizm wapnia i fosforu w kościach szczurów. CZ. III. Wyjaśnienie niektórych aspektów mechanizmów działania chlorfenwinfosu i karbarylu na metabolizm mineralny kości. Rocz Panstw Zakł Hig 29(3):249-54, 1978 (Eng. Abstr.) (Pol)  
ANIMAL/ \*BONE AND BONES, drug effects/ BONE AND BONES, metabolism/ \*CALCIUM, metabolism/ ENGLISH ABSTRACT/ \*INSECTICIDES, CARBAMATE, pharmacodynamics/ \*INSECTICIDES, ORGANOPHOSPHATE, pharmacodynamics/ MALE/ \*PHOSPHORUS, metabolism/ RATS/ \*SEVIN, pharmacodynamics
1330. Garthwaite J, Balázs R: Supersensitivity to the cyclic GMP response to glutamate during cerebellar maturation. Nature 275(5678):328-9, 28 Sep 78  
AGE FACTORS/ ANIMAL/ CELL DIVISION/ \*CEREBELLUM, growth & development/ CEREBELLUM, metabolism/ \*GLUTAMATES, pharmacodynamics/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ RATS/ STIMULATION, CHEMICAL
1331. Gasc JM, Martin B: Plasma corticosterone binding capacity in the partially decapitated chick embryo. Gen Comp Endocrinol 35(3):274-9, Jul 78  
BLOOD PROTEINS, metabolism/ CHICK EMBRYO/ COMPARATIVE STUDY/ \*CORTICOSTERONE, metabolism/ GESTATIONAL AGE/ \*HYPOPHYSECTOMY/ \*TRANSCORTIN, metabolism
1332. Gáti E, Töttösy B, Sugár J: Klinisch-pathologische Beziehungen der potentiell malignen Kystadenome der Eierstöcke. Zentralbl Gynaekol 100(15):978-84, 1978 (Eng. Abstr.) (Ger)  
ADULT/ AGED/ CELL TRANSFORMATION, NEOPLASTIC/ \*CYSTADENOMA, pathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HUNGARY/ MIDDLE AGE/ \*OVARIAN NEOPLASMS, pathology/ RETROSPECTIVE STUDIES
1333. Gauthier R, Vigneault N, Bleau G, et al: Solubilization and partial purification of steroid sulfatase of human placenta. Steroids 31(6):783-98, Jun 78  
CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ HUMAN/ IN VITRO/ KINETICS/ MOLECULAR WEIGHT/ \*PLACENTA, enzymology/ PREGNANCY/ SOLUBILITY/ STEROIDS, metabolism/ \*SULFATASES, isolation & purification/ SURFACE-ACTIVE AGENTS
1334. Gautier C, Vaillant R: Effects of administration of hydrocortisone, actinomycin D and puromycin on carbamoylphosphate synthetase-I and ornithine carbamoyltransferase activities in fetal rat liver. Biol Neonate 33(5-6):289-96, 1978  
ANIMAL/ \*DACTINOMYCIN, pharmacodynamics/ DRUG COMBINATIONS/ FEMALE/ GESTATIONAL AGE/ \*HYDROCORTISONE, pharmacodynamics/ LIVER, embryology/ \*LIVER, enzymology/ \*ORNITHINE CARBAMOYLTRANSFERASE, metabolism/ \*PHOSPHOTRANSFERASES, ATP, metabolism/ PREGNANCY/ \*PUROMYCIN, pharmacodynamics/ RATS/ UTERUS
1335. Gautier H, Gaudy JH, Bonora M: Effects of anesthesia on breathing pattern. Adv Exp Med Biol 99:93-103, 1978  
ALTHESIN, pharmacodynamics/ \*ANESTHESIA, GENERAL/ ANIMAL/ CATS/ COMPARATIVE STUDY/ HUMAN/ HYDROXYBUTYRATES, pharmacodynamics/ HYPERCAPNIA, physiopathology/ NEUROLEPTANALGESIA/ PLETHYSMOGRAPHY/ \*RESPIRATION, drug effects/ THIOPENTAL, pharmacodynamics/ TIDAL VOLUME/ TIME FACTORS
1336. Gavelli G, Zompatori M, Bortolotti G, et al: Valutazione dell'osteodistrofia renale dopo trapianto. Correlazioni radiologico-biottiche. Radiol Med (Torino) 64(3):325-34, Mar 78 (Ita)  
ADOLESCENCE/ ADULT/ BIOPSY/ CASE REPORT/ FEMALE/ HUMAN/ \*KIDNEY, transplantation/ MALE/ POSTOPERATIVE COMPLICATIONS/ RENAL OSTEODYSTROPHY, diagnosis/ \*RENAL OSTEODYSTROPHY, etiology/ RENAL OSTEODYSTROPHY, radiography/ TRANSPLANTATION, HOMOLOGOUS
1337. Gavras H, Brunner HR, Laragh JH, et al: The use of angiotensin-converting enzyme inhibitor in the diagnosis and treatment of hypertension. Clin Sci Mol Med 48 Suppl 2:57s-60s, Jun 75  
ADOLESCENCE/ ADULT/ ALDOSTERONE, blood/ BLOOD PRESSURE, drug effects/ DIET, SALT-FREE/ DRUG EVALUATION/ FEMALE/ HUMAN/ HYPERTENSION, blood/ HYPERTENSION, diagnosis/ \*HYPERTENSION, drug therapy/ MALE/ MIDDLE AGE/ \*OLIGOPEPTIDES, therapeutic use/ RENIN, blood/ \*SQ 20881, therapeutic use/ TIME FACTORS
1338. Gayton RJ, Lambert LA, Bradley PB: Failure of (+)-naloxone to antagonise responses to opioid peptides. Neuropharmacology 17(7):549-51, Jul 78  
ANIMAL/ BRAIN STEM, cytology/ DRUG INTERACTIONS/ \*ENDORPHINS, antagonists & inhibitors/ \*ENKEPHALINS, antagonists & inhibitors/ GABA, pharmacodynamics/ MALE/ \*NALOXONE, pharmacodynamics/ \*NEURONS, drug effects/ RATS
1339. Gazis D: Plasma half-lives of vasopressin and oxytocin analogs after iv injection in rats. Proc Soc Exp Biol Med 158(4):663-5, Sep 78  
ANIMAL/ ARGIPRESSIN, blood/ DESMOPRESSIN, blood/ FEMALE/ HALF-LIFE/ INJECTIONS, INTRAVENOUS/ LYPRESSIN, blood/ \*OXYTOCIN, analogs & derivatives/ OXYTOCIN, administration & dosage/ OXYTOCIN, blood/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOPRESSINS, administration & dosage/ \*VASOPRESSINS, blood/ VASOTOCIN, blood
1340. Gazis D, Sawyer WH: Elimination of infused arginine-vasopressin and its long-acting deaminated analogue in rats. J Endocrinol 78(2):179-86, Aug 78  
ANIMAL/ \*ARGIPRESSIN, metabolism/ ARGIPRESSIN, urine/ COMPARATIVE STUDY/ DESMOPRESSIN, metabolism/ DESMOPRESSIN, urine/ FEMALE/ HALF-LIFE/ INULIN, metabolism/ INULIN, urine/ METABOLIC CLEARANCE RATE/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1341. Gazitt Y, Reuben RC, Deitch AD, et al: Changes in cyclic adenosine 3':5'-monophosphate levels during induction of differentiation in murine erythroleukemia cells. Cancer Res 38(11 Pt 1):3779-83, Nov 78  
ACETAMIDES, pharmacodynamics/ \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ BUTYRATES, pharmacodynamics/ CELL CYCLE, drug effects/ CELL LINE/ DIAMINES, pharmacodynamics/ DIMETHYL SULFOXIDE, pharmacodynamics/ \*ERYTHROLEUKEMIA, metabolism/ ERYTHROLEUKEMIA, pathology/ \*ERYTHROPOIESIS/ ERYTHROPOIESIS, drug effects/ FRIEND VIRUS/ \*LEUKEMIA, EXPERIMENTAL, metabolism/ TUMOR VIRUS INFECTIONS, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, antagonists & inhibitors
1342. Gedeonishvili MD, Tsutsunava LE: Farmakologicheskii analiz stimuliiruiushchego deistviia serotoninina na proliferatsiiu v kletochnykh kul'turakh. Tsitologiya 20(6):686-9, Jun 78 (Eng. Abstr.) (Rus)  
CELLS, CULTURED/ COMPARATIVE STUDY/ EMBRYO/ ENGLISH ABSTRACT/ FIBROBLASTS/ HAMSTERS/ HUMAN/ KIDNEY/ L CELLS/ MICE/ \*MITOSIS, drug effects/ MONKEYS/ RECEPTORS, SEROTONIN/ \*SEROTONIN, pharmacodynamics/ STIMULATION, CHEMICAL
1343. Geggel RL, Pereira GR, Spackman TJ: Fractured ribs: unusual presentation of rickets in premature infants. J Pediatr 93(4):680-2, Oct 78  
CASE REPORT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ \*INFANT, PREMATURE, DISEASES/ LUNG, physiopathology/ MALE/ RIB FRACTURES, complications/ \*RIB FRACTURES, etiology/ RIB



## AUTHOR SECTION

- FRACTURES, radiography/ \*RICKETS, complications/ RICKETS, etiology/ RICKETS, radiography
1344. Geisler A, Klysner R: Influence of lithium on dopamine-stimulated adenylate cyclase activity in rat brain. *Life Sci* 23(6):635-6, 14 Aug 78  
\*ADENYL CYCLASE, antagonists & inhibitors/ ANIMAL/ BRAIN, drug effects/ \*BRAIN, enzymology/ \*DOPAMINE, antagonists & inhibitors/ DOPAMINE, physiology/ IN VITRO/ \*LITHIUM, pharmacodynamics/ MALE/ RATS
1345. Geissendörfer T, Ober M: Anomalien des Farbensinnes bei Frauen als Hinweis auf testikuläre Feminisierung. *Klin Monatsbl Augenheilkd* 173(2):256-8, Aug 78 (Eng. Abstr.) (Ger)  
ADULT/ AMENORRHEA, diagnosis/ \*COLOR BLINDNESS, etiology/ ENGLISH ABSTRACT/ EYE MANIFESTATIONS/ HUMAN/ MALE/ \*TESTICULAR FEMINIZATION, complications/ TESTICULAR FEMINIZATION, diagnosis
1346. Gekhman BI, Zakharzhevskaja NP: Ob ispol'zovanii temperatury ushnoi rakoviny krolika v kachestve pokazatelya kozhnogo krvotoka. *Fiziol Zh SSSR* 64(8):1177-81, Aug 78 (Rus)  
ANIMAL/ BODY TEMPERATURE REGULATION/ \*BODY TEMPERATURE/ CHINCHILLAS/ EAR, EXTERNAL, blood supply/ \*EAR, EXTERNAL, physiology/ HYPOTHALAMUS, physiology/ RABBITS/ \*SKIN, blood supply
1347. Gekht BM, Kuralessin MG, Gnezditskaja EV, et al: Vliianie gormonal'noi terapii na uroven' antitel k antigenam epitelial'noi tkani timusa pri miastenii. *Zh Nevropatol Psikhiatr* 78(8):1129-34, 1978 (Eng. Abstr.) (Rus)  
\*ANABOLIC STEROIDS, therapeutic use/ \*AUTOANTIBODIES/ DECANOATES, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/ MALE/ MUSCULAR DISEASES, complications/ \*MUSCULAR DISEASES, drug therapy/ MUSCULAR DISEASES, immunology/ \*NANDROLONE, analogs & derivatives/ NANDROLONE, therapeutic use/ \*PREDNISOLONE, therapeutic use/ THYMECTOMY/ THYMOMA, complications/ THYMOMA, radiotherapy/ \*THYMUS GLAND, immunology/ THYMUS NEOPLASMS, complications/ THYMUS NEOPLASMS, radiotherapy
1348. Gelato MC, Meites J, Wuttke W: Adrenal involvement in the timing of puberty in female rats: interaction with serum prolactin levels. *Acta Endocrinol (Copenh)* 89(3):590-8, Nov 78  
\*ADRENAL CORTEX, physiology/ ADRENALECTOMY/ ANIMAL/ CORTICOSTERONE, pharmacodynamics/ FEMALE/ FSH, blood/ LH, blood/ PITUITARY-ADRENAL SYSTEM/ PROGESTERONE, pharmacodynamics/ \*PROLACTIN, blood/ PROLACTIN, pharmacodynamics/ RATS/ \*SEX MATURATION/ SEX MATURATION, drug effects/ TIME FACTORS
1349. Geller HM, Taylor DA, Hoffer BJ: Benzodiazepines and central inhibitory mechanisms. *Naunyn Schmiedeberg's Arch Pharmacol* 304(2):81-8, 12 Sep 78  
ANIMAL/ \*BENZODIAZEPINE TRANQUILIZERS, pharmacodynamics/ CELLS, CULTURED/ CEREBELLUM, cytology/ DIAZEPAM, pharmacodynamics/ ELECTRIC STIMULATION/ \*GABA, physiology/ HYPOTHALAMUS, cytology/ MALE/ MOTOR ACTIVITY, drug effects/ \*NEURAL TRANSMISSION, drug effects/ PURKINJE CELLS, drug effects/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1350. Geller J, Albert J, de la Vega D, et al: Dihydrotestosterone concentration in prostate cancer tissue as a predictor of tumor differentiation and hormonal dependency. *Cancer Res* 38(11 Pt 2):4349-52, Nov 78  
ANDROGEN ANTAGONISTS, therapeutic use/ CELL DIFFERENTIATION/ COMPARATIVE STUDY/ HUMAN/ MALE/ NEOPLASMS, HORMONE-DEPENDENT, drug therapy/ \*NEOPLASMS, HORMONE-DEPENDENT, metabolism/ NEOPLASMS, HORMONE-DEPENDENT, pathology/ PROSTAT HYPERTROPHY, metabolism/ PROSTATIC NEOPLASMS, drug therapy/ \*PROSTATIC NEOPLASMS, metabolism/ PROSTATIC NEOPLASMS, pathology/ \*RECEPTORS, ANDROGEN/ \*RECEPTORS, STEROID/ \*STANOLONE, metabolism/ TESTOSTERONE 5-ALPHA-REDUCTASE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1351. Gemmell MA: The Styx Field Trial: effect of treatment of definitive host for tapeworms on larval forms in the intermediate host. *Bull WHO* 56(3):433-43, 1978  
\*AMIDINES, therapeutic use/ ANIMAL/ \*BUNAMIDINE, therapeutic use/ CESTODE INFECTIONS, drug therapy/ \*CESTODE INFECTIONS, veterinary/ CYSTICERCOSIS, prevention & control/ CYSTICERCOSIS, transmission/ CYSTICERCOSIS, veterinary/ DISEASE VECTOR \*DOG DISEASES, drug therapy/ DOGS/ ECHINOCOCCOSIS, prevention & control/ ECHINOCOCCOSIS, transmission/ ECHINOCOCCOSIS, veterinary/ EVALUATION STUDIES/ HUMAN/ LONGITUDINAL STUDIES \*NICLOSAMIDE, therapeutic use/ \*PHENYL ETHERS, therapeutic use/ \*SHEEP DISEASES, prevention & control/ SHEEP/ \*THIOCYANATE therapeutic use
1352. Gendrel D, Job JC, Roger M: Reduced post-natal rise of testosterone in plasma of cryptorchid infants. *Acta Endocrinol (Copenh)* 89(2):372-8, Oct 78  
\*CRYPTORCHISM, blood/ FOLLOW-UP STUDIES/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ \*TESTOSTERONE, blood
1353. Gennari C, Francini G, Galli M, et al: Urinary excretion of cyclic adenosine 3',5'-monophosphate and cyclic guanosine 3',5'-monophosphate in malignancy. *J Clin Pathol* 31(8):735-41, Aug 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ ADULT/ AGED/ FEMALE/ GLUCAGON, pharmacodynamics/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASMS, therapy/ \*NEOPLASMS, urine/ THEOPHYLLINE, therapeutic use
1354. George CF, Lewis PJ, Steiner JA, et al: A comparison of propranolol and compound RO3-4787 in the treatment of arterial hypertension in man. *Clin Sci Mol Med* 48 Suppl 2:65S-67S, Jun 75  
ADULT/ AGED/ BENZOFURANS, blood/ BENZOFURANS, therapeutic use/ BLOOD PRESSURE, drug effects/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DOUBLE-BLIND METHOD/ DRUG EVALUATION/ ETHANOLAMINES, blood/ \*ETHANOLAMINE, therapeutic use/ FEMALE/ HUMAN/ HYPERTENSION, blood/ \*HYPERTENSION, drug therapy/ MALE/ MIDDLE AGE/ PROPRANOLOL, blood/ \*PROPRANOLOL, therapeutic use/ RENIN, blood
1355. Georgi M: Technik, Indikationen und Komplikationen der Nebennieren-Phlebographie. *Roentgenpraxis* 31(10):221-22, Oct 78  
\*ADRENAL GLANDS, blood supply/ HUMAN/ \*PHLEBOGRAPHY/ PHLEBOGRAPHY, adverse effects/ PHLEBOGRAPHY, methods
1356. Gerasimova EN, Glazunov IS, Bodrova EA, et al: Izmennenie količestva gormonov v plazme krovi i faktory riska ishemicheskoj bolezni serdca u mužčhin v vozraste 40 let. *Vopr Med Khim* 24(5):657-66, Sep-Oct 78 (Eng. Abstr.)  
ADULT/ CHOLESTEROL, blood/ COMPARATIVE STUDY/ \*CORONARY DISEASE, blood/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ \*HORMONES, blood/ HUMAN/ HYDROCORTISONE, blood/ INSULIN, blood/ \*LIPIDS, blood/ LIPOPROTEIN HDL, blood/ MALE/ MIDDLE AGE/ RISK/ SOMATOTROPIN, blood/ TESTOSTERONE, blood/ TRIGLYCERIDES, blood
1357. Gerber M, Andress D, Pioch Y, et al: Effect of cyclophosphamide and methylprednisolone on in vitro cellular immune response to allogeneic tumor cells.



## AUTHOR SECTION

- Correlation with in vivo rejection. Transplantation  
26(3):142-9, Sep 78  
ANIMAL/ CELL NUMBER/  
\*CYCLOPHOSPHAMIDE, pharmacodynamics/  
CYTOTOXICITY, IMMUNOLOGIC, drug effects/  
GRAFT REJECTION, drug effects/ \*IMMUNITY,  
CELLULAR, drug effects/ IN VITRO/ MALE/  
\*METHYLPREDNISOLONE, pharmacodynamics/  
MICE/ \*T-LYMPHOCYTES, drug effects/  
TRANSPLANTATION, ALLOGENEIC
1358. Gerhard I, Runnebaum B: Ausagewert von HCG-, HPL-, Progesteron- und Ostriol-Bestimmungen bei Frauen mit drohender Fehlgeburt. Geburtshilfe Frauenheilkd 38(10):785-99, Oct 78 (Eng. Abstr.) (Ger)
- \*ABORTION, THREATENED, blood/  
ADOLESCENCE/ ADULT/ ENGLISH  
ABSTRACT/ \*ESTRIOL, blood/ FEMALE/  
\*GONADOTROPINS, CHORIONIC, blood/  
HUMAN/ NORMAL VALUES/ \*PLACENTAL  
LACTOGEN, blood/ PREGNANCY TRIMESTER,  
FIRST/ PREGNANCY TRIMESTER, SECOND/  
PREGNANCY/ \*PROGESTERONE, blood/ TIME  
FACTORS
1359. Gerhard I, Kosanovic A, Runnebaum B: Bedeutung und Möglichkeiten der Tubendiagnostik bei der Sterilitätsberatung. Geburtshilfe Frauenheilkd 38(10):805-15, Oct 78 (Eng. Abstr.) (Ger)
- ADNEXAL DISEASES, complications/ ADNEXAL  
DISEASES, diagnosis/ ENGLISH ABSTRACT/  
FALLOPIAN TUBES/ FEMALE/ HUMAN/  
HYSTEOSALPINGOGRAPHY/ MALE/  
OVARIAN DISEASES, complications/  
PREGNANCY/ \*STERILITY, FEMALE, etiology/  
STERILITY, MALE, etiology
1360. Gerhardt P: Die Computertomographie und ihre Bedeutung in der Präoperativen Diagnostik des Abdomen. Chirurg 49(8):485-90, Aug 78 (Eng. Abstr.) (Ger)
- \*ABDOMINAL NEOPLASMS, radiography/  
ADRENAL GLAND NEOPLASMS, radiography/  
DIAGNOSIS, DIFFERENTIAL/ ENGLISH  
ABSTRACT/ HUMAN/ KIDNEY NEOPLASMS,  
radiography/ KIDNEY, CYSTIC, radiography/ LIVER  
DISEASES, radiography/ LIVER NEOPLASMS,  
radiography/ PANCREATIC DISEASES,  
radiography/ PANCREATIC NEOPLASMS,  
radiography/ PREOPERATIVE CARE/  
\*TOMOGRAPHY, COMPUTERIZED AXIAL
1361. Gerke DC, Halloran TN, Frewin DB, et al: The use of mixtures of octapressin and adrenaline in local anaesthetic solutions to obtain more effective vasoconstriction. Aust Dent J 23(3):240-3, Jun 78
- \*ANESTHETICS, LOCAL/ ANIMAL/ DRUG  
COMBINATIONS/ DRUG SYNERGISM/ \*EAR,  
EXTERNAL, blood supply/ \*EPINEPHRINE,  
pharmacodynamics/ \*FELYPRESSIN,  
pharmacodynamics/ IN VITRO/ LIDOCAINE/  
\*LYPRESSIN, pharmacodynamics/ PRILOCAINE/  
RABBITS/ \*VASOCONSTRICTION, drug effects
1362. Gerlis LS: Acute intermittent porphyria on withdrawal of oral contraceptives. J Int Med Res 6(4):255-6, 1978
- ACUTE DISEASE/ ADULT/ CASE REPORT/  
\*CONTRACEPTIVES, ORAL, adverse effects/  
FEMALE/ HUMAN/ \*PORPHYRIA, chemically  
induced/ PORPHYRIA, diagnosis
1363. German J, Simpson JL, Chaganti RS, et al: Genetically determined sex-reversal in 46,XY humans. Science 202(4363):53-6, 6 Oct 78
- FEMALE/ HUMAN/ KARYOTYPING/ OVARY,  
embryology/ PEDIGREE/ SEX CHROMOSOME  
ABNORMALITIES, embryology/ SEX  
DIFFERENTIATION DISORDERS, embryology/  
\*SEX DIFFERENTIATION DISORDERS, familial &  
genetic/ TESTIS, embryology/ TURNER'S  
SYNDROME, embryology/ \*TURNER'S  
SYNDROME, familial & genetic/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
1364. Gerritsen ME, Lederis K: Effects of urotensin I on the isolated rat tail artery: possible mediation of the relaxation responses by cAMP. Proc West Pharmacol Soc 21:249-52, 1978
- ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ \*ADENOSINE  
CYCLIC-3',5'-MONOPHOSPHATE, physiology/  
ANIMAL/ \*ARTERIES, drug effects/ ARTERIES,  
metabolism/ IN VITRO/ INDOMETHACIN,  
pharmacodynamics/ MALE/ \*MUSCLE  
CONTRACTION, drug effects/ \*MUSCLE  
RELAXATION, drug effects/ MUSCLE, SMOOTH,  
drug effects/ NOREPINEPHRINE,  
pharmacodynamics/ \*PEPTIDES, pharmacodynamics/  
RATS/ TAIL, blood supply/ \*UROTENSINS,  
pharmacodynamics
1365. Gertzén H, Hallberg O, Laage-Hellman JE, et al: Strålbehandling vid differentierad sköldkörtelcancer. Lakartidningen 75(34):2857, 23 Aug 78 (Swe)
- \*CARCINOMA, radiotherapy/ \*CARCINOMA,  
PAPILLARY, radiotherapy/ HUMAN/ \*THYROID  
NEOPLASMS, radiotherapy
1366. Geyskes GG, Boer P, Leenen FH, et al: Effect of volume depletion and subsequent propranolol treatment on blood pressure and plasma renin activity in patients with essential and with renovascular hypertension. Clin Sci Mol Med 48 Suppl 2:69s-71s, Jun 75
- BLOOD PRESSURE, drug effects/ \*BODY WATER,  
drug effects/ DIET, SALT-FREE/ DIURETICS,  
therapeutic use/ HUMAN/ HYPERTENSION, blood/  
\*HYPERTENSION, therapy/ HYPERTENSION,  
RENAL, blood/ \*HYPERTENSION, RENAL,  
therapy/ \*PROPRANOLOL, therapeutic use/ RENIN,  
blood
1367. Ghnassia MD, Boudon F, Délégué L: Anesthésie et réanimation dans la chirurgie des hyperplasies congénitales virilisantes des surrénales. Anesth Analg (Paris) 35(2):269-78, Mar-Apr 78 (Fre)
- ADRENOGENITAL SYNDROME, drug therapy/  
\*ADRENOGENITAL SYNDROME, surgery/  
\*ANESTHESIA, GENERAL/ CHILD/ CHILD,  
PRESCHOOL/ CORTISONE, therapeutic use/  
FEMALE/ HUMAN/ HYDROCORTISONE,  
therapeutic use/ INFANT/ INFANT, NEWBORN/  
PATIENT CARE PLANNING/ \*POSTOPERATIVE  
CARE/ PREMEDICATION/ VIRILISM, therapy
1368. Giambalvo CT, Snodgrass SR: Biochemical and behavioral effects of serotonin neurotoxins on the nigrostriatal dopamine system: comparison of injection sites. Brain Res 152(3):555-66, 8 Sep 78
- AMPHETAMINE, pharmacodynamics/ ANIMAL/  
APOMORPHINE, pharmacodynamics/ \*BEHAVIOR,  
ANIMAL, drug effects/ \*CORPUS STRIATUM, drug  
effects/ CORPUS STRIATUM, metabolism/  
\*DIHYDROXYTRYPTAMINES, pharmacodynamics/  
DOMINANCE, CEREBRAL, drug effects/  
\*DOPAMINE, metabolism/ GLOBUS PALLIDUS,  
drug effects/ MALE/ MEDIAN FOREBRAIN  
BUNDLE, drug effects/ NEURAL PATHWAYS, drug  
effects/ NOREPINEPHRINE, metabolism/ RATS/  
RECEPTORS, DOPAMINE, drug effects/  
SEROTONIN, metabolism/ STEREOTYPED  
BEHAVIOR, drug effects/ \*SUBSTANTIA NIGRA,  
drug effects/ SUBSTANTIA NIGRA, metabolism/  
SYNAPTOSOMES, metabolism/ UNITED STATES  
GOV'T SUPPORTED, P.H.S./  
\*5,7-DIHYDROXYTRYPTAMINE,  
pharmacodynamics
1369. Gibbons JL, Barr GA, Bridger WH, et al: Effects of para-chlorophenylalanine and 5-hydroxytryptophan on mouse killing behavior in killer rats. Pharmacol Biochem Behav 9(1):91-8, Jul 78
- \*P-CHLOROPHENYLALANINE,  
pharmacodynamics/ \*AGGRESSION, drug effects/  
ANIMAL/ BEHAVIOR, ANIMAL, drug effects/  
BODY WEIGHT, drug effects/ BRAIN, metabolism/  
DOSE-RESPONSE RELATIONSHIP, DRUG/  
FEMALE/ HYDROXYINDOLEACETIC ACID,  
metabolism/ \*HYDROXYTRYPTOPHAN,  
pharmacodynamics/ MALE/ MICE/ RATS/  
REACTION TIME, drug effects/ SEROTONIN,  
metabolism/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
1370. Gibson GE, Shimada M, Blass JP: Alterations in acetylcholine synthesis and cyclic nucleotides in mild cerebral hypoxia. J Neurochem 31(4):757-60, Oct 78
- \*ACETYLCHOLINE, biosynthesis/ \*ADENOSINE  
CYCLIC-3',5'-MONOPHOSPHATE, metabolism/  
ANIMAL/ ANOXIA, chemically induced/ \*ANOXIA,  
metabolism/ \*BRAIN, metabolism/ GLUCOSE,  
metabolism/ \*GUANOSINE  
CYCLIC-3',5'-MONOPHOSPHATE, metabolism/  
MALE/ MICE/ POTASSIUM CYANIDE/ SODIUM



# AUTHOR SECTION

- NITRITE/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1371. Giedt WR Jr, Winters WD: Catecholamine influence on ketamine response in the chick. *Neuropharmacology* 17(7):477-81, Jul 78  
ANIMAL/ \*CATALEPSY, chemically induced/ \*CATECHOLAMINES, pharmacodynamics/ CHICKENS/ DOPAMINE, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ \*KETAMINE, pharmacodynamics/ MALE/ NOREPINEPHRINE, pharmacodynamics/ PINEAL BODY, physiology/ TIME FACTORS
  1372. Gilboa-Garber N, Katz-Bergman Y, Pinsky A: Comparative study of the sensitivity of acetylcholinesterases and cholinesterases from animal and bacterial sources to inhibition by serotonin and its derivatives. *Experientia* 34(8):992-3, 15 Aug 78  
\*ACETYLCHOLINESTERASE, antagonists & inhibitors/ ACETYLCHOLINESTERASE, blood/ ANIMAL/ \*CHOLINESTERASE INHIBITORS/ COMPARATIVE STUDY/ ELECTROPHORUS/ ERYTHROCYTES, enzymology/ HUMAN/ PSEUDOMONAS AERUGINOSA, enzymology/ \*SEROTONIN, analogs & derivatives/ \*SEROTONIN, pharmacodynamics/ TRYPTAMINES, pharmacodynamics
  1373. Gill JR Jr, Bartter FC: Evidence for a prostaglandin-independent defect in chloride reabsorption in the loop of Henle as a proximal cause of Bartter's syndrome. *Am J Med* 65(5):766-72, Nov 78  
\*BARTTER'S DISEASE, physiopathology/ \*CHLORIDES, metabolism/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ GLOMERULAR FILTRATION RATE/ HUMAN/ \*HYPERALDOSTERONISM, physiopathology/ \*KIDNEY TUBULES, physiopathology/ KIDNEY, metabolism/ PROSTAGLANDINS E, metabolism/ PSYCHOPHYSIOLOGIC DISORDERS, physiopathology/ VOMITING, psychology
  1374. Gill TS, Punetha JC: Pituitary gland of a hillstream sisorid catfish, *Pseudocheneis sulcatus* (McClelland). *Z Mikrosk Anat Forsch* 91(3):557-67, 1977  
ANIMAL/ \*CYPRINIDAE, anatomy & histology/ \*PITUITARY GLAND, anatomy & histology/ PITUITARY GLAND, cytology
  1375. Gillette RW, Wunderlich DA: Accelerated growth of mammary tumor cells in normal and athymic mice after treatment in vitro with dexamethasone. *Cancer Res* 38(10):3146-9, Oct 78  
\*ADENOCARCINOMA, drug therapy/ ADENOCARCINOMA, enzymology/ ADENOCARCINOMA, immunology/ ANIMAL/ CELL LINE/ \*DEXAMETHASONE, pharmacodynamics/ FEMALE/ IMMUNITY, drug effects/ MALE/ MAMMARY CANCER VIRUS, enzymology/ \*MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ MAMMARY NEOPLASMS, EXPERIMENTAL, enzymology/ MAMMARY NEOPLASMS, EXPERIMENTAL, immunology/ MICE/ MICE, INBRED C3H/ MICE, NUDE/ NEOPLASM TRANSPLANTATION/ REVERSE TRANSCRIPTASE, metabolism/ TRANSPLANTATION, ALLOGENEIC/ TRANSPLANTATION, ISOGENEIC/ \*TUMOR VIRUS INFECTIONS, drug therapy/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  1376. Gilligan BS: Brachiocephalic arteritis in a young female (Takayasu's disease). *Proc Aust Assoc Neurol* 14:100-7, 1977  
ADULT/ \*AORTIC ARCH SYNDROMES, diagnosis/ CASE REPORT/ FEMALE/ HUMAN/ PREDNISOLONE, therapeutic use/ \*TAKAYASU SYNDROME, diagnosis/ TAKAYASU SYNDROME, drug therapy
  1377. Gilliland JM, Smeaton TC, Rowland K: Normalized androgen ratio: an index of free 17beta-hydroxysteroid concentration in serum. *Clin Chem* 24(9):1500-3, Sep 78  
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ \*ANDROGENS, blood/ COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN/ \*HYDROXYSTEROIDS, blood/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ MALE/ MIDDLE AGE/ NORMAL VALUES/ SEX FACTORS/ SEX HORMONE BINDING GLOBULIN, metabolism/ THYROID GLAND, physiology/ 17-KETOSTEROIDS, blood
  1378. Gilloteaux J: 5-HT effect and the control of the relaxation of a molluscan smooth muscle (ABRM) of *Mytilus edulis*. *Cytobiologie* 17(1):94-106, Jun 78  
ANIMAL/ EDTA, pharmacodynamics/ \*MUSCLE CONTRACTION/ MUSCLE CONTRACTION effects/ \*MUSCLE RELAXATION/ MUSCLE RELAXATION, drug effects/ \*MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, physiology/ MUSCLE, SMOOTH, ultrastructure/ \*MUSSELS, physiology/ MYOFIBRILS, ultrastructure/ SARCOLEMMA, ultrastructure/ \*SEROTONIN, pharmacodynamics
  1379. Gillum AM, Urquhart N, Smith M, et al: Nucleotide sequence of salmon testes and salmon liver cytoplasmic initiator tRNA. *Cell* 6(3):395-405, Nov 75  
ANIMAL/ BASE SEQUENCE/ CYTOPLASM/ GUANINE NUCLEOTIDES/ LIVER/ METHIONINE/ METHYLATION/ \*PEPTIDE CHAIN INITIATION/ \*RNA, TRANSFER/ RNA, TRANSFER, genetics/ RNA, TRANSFER, isolation & purification/ SALMON/ TESTIS
  1380. Gilunova NI, Benenson MP, Kovshenkov EP: Sluchai nesovershennogo osteogeneza v sochetanii s vrozhdennoi ektoziefi pochechnykh lokhanok i kamneobrazovaniem v klinicheskoi praktike. *Klin Med (Mosk)* 56(8):122-4, Aug 78  
CASE REPORT/ HUMAN/ \*KIDNEY CALCULI, etiology/ \*KIDNEY PELVIS, abnormalities/ MALE/ MIDDLE AGE/ \*OSTEOGENESIS IMPERFECTA, complications
  1381. Gingrich RD, Armitage JO, Burns CP: Treatment of adult lymphoblastic leukemia with cytosine arabinoside, vincristine, and prednisone. *Cancer Treat Rep* 62(9):1387-9, Sep 78  
ADULT/ AGED/ CENTRAL NERVOUS SYSTEM DISEASES, prevention & control/ CLINICAL RESEARCH/ CYTARABINE, adverse effects/ \*CYTARABINE, therapeutic use/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ \*LEUKEMIA, LYMPHOBLASTIC, drug therapy/ LEUKEMIA, LYMPHOBLASTIC, radiotherapy/ MALE/ MERCAPTOPYRIMIDINE, therapeutic use/ MIDDLE AGE/ \*PREDNISONE, therapeutic use/ REMISSION/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VINCRISTINE, adverse effects/ \*VINCRISTINE, therapeutic use
  1382. Gitel SN, Wessler S: Do natural estrogens pose an increased risk of thrombosis in postmenopausal women? *Thromb Res* 13(2):279-83, Aug 78  
ANTITHROMBIN III, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ \*ESTROGENS, adverse effects/ FACTOR X, metabolism/ FEMALE/ HUMAN/ \*MENOPAUSE, etiology/ \*PREMARIN, adverse effects/ \*THROMBOSIS, etiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  1383. Glanz I, Eldar M, Shoenfeld Y, et al: [Chronic eosinophilic pneumonia] Harefuah 95(2):66-9, 16 Jul 78 (Eng. Abstr.)  
ADRENAL CORTEX HORMONES, therapeutic use/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ HUMAN/ \*LOEFFLER'S SYNDROME/ LOEFFLER'S SYNDROME, drug therapy
  1384. Glasgow JG, Schade R, Pitlick FA: Evidence that ADP hydrolysis by human cells is related to thrombogenic potential. *Thromb Res* 13(2):255-66, Aug 78  
ADENINE NUCLEOTIDES, metabolism/ \*ADENOSINE DIPHOSPHATE, metabolism/ \*BLOOD COAGULATION/ BLOOD PLATELET AGGREGATION/ ENDOTHELIUM, metabolism/ FIBROBLASTS, metabolism/ HUMAN/ HYDROLYSIS/ MUSCLE, SMOOTH, metabolism/ PLATELET AGGREGATION/ SEROTONIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  1385. Głębowska H, Gładysz A: Serum arginase activity in relation to experimental thyroid dysfunction and with experimental diabetes. *Mater Med Pol* 10(2):107-11, Apr-Jun 78  
ALLOXAN/ ANIMAL/ \*ARGINASE, blood/ COMPARATIVE STUDY/ \*DIABETES MELLITUS, EXPERIMENTAL, enzymology/ FEMALE/ \*HYPERTHYROIDISM, enzymology



# AUTHOR SECTION

- \*HYPOTHYROIDISM, enzymology/ MALE/  
RABBITS
36. Glenn GC: The CAP Urine Chemistry Survey Program for 1977. *Am J Clin Pathol* 70(3 Suppl):513-5, Sep 78  
AMYLAASES, urine/ CREATININE, urine/  
EVALUATION STUDIES/ GLUCOSE, analysis/  
HUMAN/ NITROGEN, urine/ PATHOLOGY/  
PHOSPHORUS, urine/ POTASSIUM, urine/  
PROTEINS, analysis/ SOCIETIES, MEDICAL/  
SODIUM, urine/ \*TECHNOLOGY, MEDICAL,  
standards/ UNITED STATES/ UREA, urine/  
\*URINE, analysis/ 17-KETOSTEROIDS, urine
37. Gnani GV, Landriscina C, Quagliarello E: Mechanism of triiodothyronine stimulation on microsomal fatty acid chain elongation synthesis in rat liver. *FEBS Lett* 94(1):179-82, 1 Oct 78  
ACETYL COA CARBOXYLASE, metabolism/  
ANIMAL/ CYCLOHEXIMIDE, pharmacodynamics/  
DACTINOMYCIN, pharmacodynamics/ ENZYME  
INDUCTION, drug effects/ FATTY ACID  
SYNTHETASE COMPLEX, metabolism/ \*FATTY  
ACIDS, biosynthesis/ MALE/ MICROSOMES,  
LIVER, enzymology/ \*MICROSOMES, LIVER,  
metabolism/ RATS/ \*TRIIODOTHYRONINE,  
pharmacodynamics
38. Göbel P: Über Enzymopathien der Steroidbildung beim Erwachsenen. *Med Welt* 29(42):1625-32, 20 Oct 78 (Ger)  
ADRENOGENITAL SYNDROME, etiology/  
ADULT/ \*ENZYMES, deficiency/ FEMALE/  
HUMAN/ MALE/ STEROID-11-HYDROXYLASE,  
deficiency/ STEROID-21-HYDROXYLASE,  
deficiency/ \*STEROIDS, biosynthesis/  
3-HYDROXYSTEROID DEHYDROGENASES,  
deficiency
39. Goebel KM, von Manteuffel G, Zehner J, et al:  
Glukokortikoid-induzierte Erythropoietinwirkung bei  
urämischen und enzymopenischen Hämolyse.  
*Wien Klin Wochenschr* 90(19):690-5, 13 Oct 78 (Eng. Abstr.)  
(Ger)  
ADULT/ \*ANEMIA, HEMOLYTIC, CONGENITAL  
NONSPHEROCYTIC, blood/ ANEMIA,  
HEMOLYTIC, CONGENITAL  
NONSPHEROCYTIC, drug therapy/ DEFICIENCY  
DISEASES, familial & genetic/ ENGLISH  
ABSTRACT/ ERYTHROCYTES, metabolism/  
\*ERYTHROPOIETIN, blood/ FEMALE/  
\*HEMOLYTIC-UREMIC SYNDROME, blood/  
HEMOLYTIC-UREMIC SYNDROME, drug therapy/  
HUMAN/ MALE/ \*METHYLPREDNISOLONE,  
administration & dosage/ METHYLPREDNISOLONE,  
therapeutic use/ PYRUVATE KINASE, deficiency
40. Goff AK, Zamecnik J, Ali M, et al: Prostaglandin I<sub>2</sub> stimulation of granulosa cell cyclic AMP production. *Prostaglandins* 15(5):875-9, May 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
biosynthesis/ ANIMAL/ FEMALE/ FSH,  
pharmacodynamics/ GRANULOSA CELLS, drug  
effects/ \*GRANULOSA CELLS, metabolism/ IN  
VITRO/ PROSTAGLANDINS E, pharmacodynamics/  
\*PROSTAGLANDINS X, pharmacodynamics/  
\*PROSTAGLANDINS, pharmacodynamics/ RATS
41. Goglio R, Barberis M, Gambacorta M, et al: Carcinoid primitivo del testicolo. Caso clinico. *Chir Ital* 30(3):286-93, Jun 78 (Eng. Abstr.) (Ita)  
ADULT/ \*CARCINOID TUMOR/ CARCINOID  
TUMOR, complications/ CASE REPORT/ ENGLISH  
ABSTRACT/ HUMAN/ MALE/ NEOPLASMS,  
MULTIPLE PRIMARY/ TERATOID TUMOR,  
complications/ \*TESTICULAR NEOPLASMS
42. Gohlke R: Multiple spontane Primärtumoren in einer Wistaratte. *Z Versuchstierkd* 20(4):194-200, 1978 (Eng. Abstr.) (Ger)  
ANIMAL/ CARCINOMA, complications/  
CHOLANGIOMA, complications/ ENGLISH  
ABSTRACT/ LIVER NEOPLASMS, complications/  
MALE/ \*NEOPLASMS, MULTIPLE PRIMARY,  
veterinary/ PHEOCHROMOCYTOMA, complications/  
RATS/ \*RODENT DISEASES, pathology/  
THYROID NEOPLASMS, complications
43. Golander A, Hurley T, Barrett J, et al: Prolactin synthesis by human chorion-decidua tissue: a possible source of prolactin in the amniotic fluid. *Science* 202(4365):311-3, 20 Oct 78  
AMNION, metabolism/ \*AMNIOTIC FLUID,  
metabolism/ \*CHORION, metabolism/ \*DECIDUA,  
metabolism/ FEMALE/ HUMAN/ IN VITRO/  
PREGNANCY/ \*PROLACTIN, biosynthesis/  
TROPHOBLAST, metabolism/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
1394. Gold MS, Donabedian RK, Redmond DE Jr: Clonidine-induced increase in serum growth hormone: possible role of epinephrine-mediated synapses. *Psychoneuroendocrinology* 3(2):187-94, Apr 78  
ANIMAL/ BRAIN, drug effects/ CLONIDINE,  
antagonists & inhibitors/ \*CLONIDINE,  
pharmacodynamics/ \*EPINEPHRINE, physiology/  
MACACA/ MONKEYS/ PIPEROXAN,  
pharmacodynamics/ RECEPTORS, ADRENERGIC,  
ALPHA, drug effects/ RECEPTORS, ADRENERGIC,  
ALPHA, physiology/ \*SOMATOTROPIN, blood/  
\*SYNAPSES, physiology/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
1395. Gold MS, Redmond DE Jr, Donabedian RK, et al: Increase in serum prolactin by exogenous and endogenous opiates: evidence for antidopamine and antipsychotic effects. *Am J Psychiatry* 135(11):1415-6, Nov 78  
ANIMAL/ \*DOPAMINE, antagonists & inhibitors/  
DOSE-RESPONSE RELATIONSHIP, DRUG/  
DRUG SCREENING/ \*ENDORPHINS,  
pharmacodynamics/ \*ENKEPHALINS,  
pharmacodynamics/ MACACA/ MONKEYS/  
\*MORPHINE, pharmacodynamics/ \*PROLACTIN,  
blood/ RECEPTORS, DOPAMINE, drug effects/  
\*TRANQUILIZING AGENTS, MAJOR
1396. Gold PE, van Buskirk R: Posttraining brain norepinephrine concentrations: correlation with retention performance of avoidance training and with peripheral epinephrine modulation of memory processing. *Behav Biol* 23(4):509-20, Aug 78  
ADRENAL GLANDS, metabolism/ ANIMAL/  
AVOIDANCE LEARNING, drug effects/  
\*AVOIDANCE LEARNING, physiology/ \*BRAIN,  
metabolism/ DOSE-RESPONSE RELATIONSHIP,  
DRUG/ ELECTROSHOCK/ \*EPINEPHRINE,  
pharmacodynamics/ MALE/ \*MEMORY, physiology/  
\*NOREPINEPHRINE, metabolism/ RATS/  
RETENTION (PSYCHOLOGY), drug effects/  
\*RETENTION (PSYCHOLOGY), physiology/  
UNITED STATES GOV'T SUPPORTED/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
1397. Gold PE, Rose RP, Hankins LL: Retention impairment produced by unilateral amygdala implantation: reduction by posttrial amygdala stimulation. *Behav Biol* 22(4):515-23, Apr 78  
\*AMYGDALOID BODY, physiology/ ANIMAL/  
\*AVOIDANCE LEARNING, physiology/  
DRINKING BEHAVIOR, physiology/ \*ELECTRIC  
STIMULATION/ ELECTRODES, IMPLANTED/  
LATERALITY/ MALE/ MEMORY DISORDERS,  
etiology/ \*MEMORY, physiology/ RATS/  
\*RETENTION (PSYCHOLOGY), physiology/ TIME  
FACTORS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
1398. Goldberg AP, Chen M, Brunzell JD, et al: Treatment of hypertriglyceridemia with para-aminosalicylic acid-C: a possible mechanism of action. *Metabolism* 27(11):1648-60, Nov 78  
P-AMINOSALICYLIC ACID, adverse effects/  
\*P-AMINOSALICYLIC ACID, therapeutic use/  
ADULT/ \*AMINOSALICYLIC ACIDS, therapeutic  
use/ BLOOD SUGAR, metabolism/ CHOLESTEROL,  
blood/ COMPARATIVE STUDY/ DIETARY  
CARBOHYDRATES, administration & dosage/  
FATTY ACIDS, NONESTERIFIED, metabolism/  
FEMALE/ HUMAN/ HYPERLIPEMIA, diet therapy/  
\*HYPERLIPEMIA, drug therapy/ INSULIN, blood/  
LIPOPROTEIN LIPASE, blood/ LIPOPROTEINS,  
blood/ MALE/ MIDDLE AGE/ THYROID  
HORMONES, metabolism/ \*TRIGLYCERIDES,  
blood/ UNITED STATES GOV'T SUPPORTED,  
P.H.S.
1399. Goldberg DJ, Schwartz JH, Sherbany AA: Kinetic properties of normal and perturbed axonal transport of serotonin in a single identified axon. *J Physiol (Lond)* 281:559-79, Aug 78  
ANIMAL/ APLYSIA/ \*AXONS, physiology/  
\*AXOPLASMIC FLOW/ IN VITRO/ KINETICS/  
\*SEROTONIN, physiology/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.



# AUTHOR SECTION

1400. Goldberg LI: Vascular dopamine receptor as a model for other dopamine receptors. *Adv Biochem Psychopharmacol* 19:119-29, 1978 (46 ref.)  
ADENYL CYCLASE, metabolism/ ANIMAL/ AUTONOMIC FIBERS, POSTGANGLIONIC, drug effects/ BEHAVIOR, ANIMAL, drug effects/ \*BLOOD VESSELS, drug effects/ CORPUS STRIATUM, drug effects/ DOPAMINE, pharmacodynamics/ GANGLIA, AUTONOMIC, drug effects/ HELIX (SNAILS)/ IN VITRO/ KIDNEY, blood supply/ NEURONS, drug effects/ PROLACTIN, metabolism/ \*RECEPTORS, DOPAMINE, drug effects/ RECEPTORS, DOPAMINE, metabolism/ REVIEW/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASODILATION, drug effects/ VOMITING, chemically induced
1401. Goldberg ND, Graff G, Haddox MK, et al: Oxidative activation of guinea pig splenic cell guanylate cyclase activity by dehydroascorbate, ascorbate, fatty acid hydroperoxides and prostaglandin endoperoxides. *Adv Enzyme Regul* 16:165-91, 3-4 Oct 77  
ANIMAL/ \*ASCORBIC ACID, analogs & derivatives/ \*ASCORBIC ACID, pharmacodynamics/ \*DEHYDROASCORBIC ACID, pharmacodynamics/ ENZYME ACTIVATION/ FATTY ACIDS/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ \*GUANYL CYCLASE, metabolism/ GUINEA PIGS/ IN VITRO/ OXIDATION-REDUCTION/ \*PEROXIDES, pharmacodynamics/ \*PROSTAGLANDIN ENDOPEROXIDES, pharmacodynamics/ SPLEEN, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1402. Goldenberg H, Crane FL, Morré DJ: Influence of hormones on NADH-dehydrogenase in mouse liver plasma membrane. *Biochem Biophys Res Commun* 83(1):234-40, 14 Jul 78  
ANIMAL/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, enzymology/ DOSE-RESPONSE RELATIONSHIP, DRUG/ \*GLUCAGON, pharmacodynamics/ \*INSULIN, pharmacodynamics/ \*LIVER, enzymology/ MICE/ \*NADH, NADPH OXIDOREDUCTASES, metabolism/ \*OLD YELLOW ENZYME, metabolism/ \*THYROXINE, pharmacodynamics/ \*TRIIODOTHYRONINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1403. Goldkrand JW: Unconjugated estriol and cortisol in maternal and cord serum and amniotic fluid in normal and abnormal pregnancy. *Obstet Gynecol* 52(3):264-71, Sep 78  
ADRENAL GLANDS, embryology/ ADRENAL GLANDS, physiology/ \*AMNIOTIC FLUID, metabolism/ ECLAMPSIA, metabolism/ ESTRIOL, blood/ \*ESTRIOL, metabolism/ FEMALE/ FETAL BLOOD/ HUMAN/ HYDROCORTISONE, blood/ \*HYDROCORTISONE, metabolism/ LABOR/ PRE-ECLAMPSIA, metabolism/ PREGNANCY IN DIABETES, metabolism/ \*PREGNANCY COMPLICATIONS, metabolism/ \*PREGNANCY/ PREGNANCY, MULTIPLE/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1404. Goldring SR, Dayer JM, Ausiello DA, et al: A cell strain cultured from porcine kidney increases cyclic AMP content upon exposure to calcitonin or vasopressin. *Biochem Biophys Res Commun* 83(2):434-40, 28 Jul 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ \*CALCITONIN, pharmacodynamics/ CELLS, CULTURED/ EPINEPHRINE, pharmacodynamics/ KIDNEY, drug effects/ \*KIDNEY, metabolism/ MALE/ PARATHYROID HORMONE, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*VASOPRESSINS, pharmacodynamics
1405. Goldstein DE, Sutherland CA, Curnow RT: Altered mechanism of glucagon-mediated hepatic glycogenolysis during long-term starvation in the rat. *Metabolism* 27(10):1491-8, Oct 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ \*FASTING/ \*GLUCAGON, pharmacodynamics/ GLUCOSE, metabolism/ GLYCOGEN PHOSPHORYLASE, metabolism/ GLYCOGEN SYNTHETASE, metabolism/ INSULIN, blood/ \*LIVER GLYCOGEN, metabolism/ \*LIVER, metabolism/ MALE/ PHOSPHORYLASE A, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1406. Goldzieher JW: En defensa de la pildora. *Ginecol Obstet Mex* 44(262):123-52, Aug 78 (44 ref. Abstr.)  
ABNORMALITIES, DRUG-INDUCED/ CARDIOVASCULAR DISEASES, chemical induced/ CHROMOSOME ABNORMALITIES, chemically induced/ COMPARATIVE STUDY/ \*CONTRACEPTIVES, ORAL, adverse effects/ \*CONTRACEPTIVES, ORAL, HORMONAL, effects/ DRUG EVALUATION/ ENDOMETRIUM, chemically induced/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LIVER NEOPLASMS, chemically induced/ METABOLIC DISEASE, chemically induced/ PREGNANCY/ REVIEW/ UTERINE NEOPLASMS, chemically induced
1407. Golikov AP, Iyeva VI, Orlov AI, et al: Ob aktivnosti nadpochrechnikov i kallikrein-kininovoï sistemy kroostnykh naruheniia kh serdechnogo ritma u bol'nykh infarktom miokarda. *Sov Med* (9):62-7, Sep 78 (Eng. Abstr.)  
ACUTE DISEASE/ ADULT/ AGED/ \*ALDOSTERONE, blood/ \*ARRHYTHMIA, ENGLISH ABSTRACT/ \*EPINEPHRINE, HUMAN/ \*KALLIKREIN, blood/ \*KININS, MIDDLE AGE/ \*MYOCARDIAL INFARCTION, blood/ \*VENTRICULAR FIBRILLATION, \*11-HYDROXYCORTICOSTEROIDS, blood
1408. Gómez Vargas E, García Vela A, Ruelas G, et al: Nefrona de triiodotironina y tiroxina en el hipertiroidismo durante la administración de drogas antitiroideas. *Rev Invest Clin* 30(3):265-71, Jul-Sep 78 (Eng. Abstr.)  
ADULT/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYPERTHYROIDISM, drug therapy/ MIDDLE AGE/ \*THYROID ANTAGONISTS, administration & dosage/ \*THYROXINE, blood/ \*TRIIODOTHYRONINE, blood
1409. Gomi Y, Komatsu H: [Pharmacological studies on supersensitization (IV). Site and mode of action of acetylcholine in isolated tracheal preparation of rat (author's transl)] *Nippon Yakurigaku Zasshi* 74(5):539-48, Jul 78 (Eng. Abstr.)  
ACETYLCHOLINE, antagonists & inhibitors/ \*ACETYLCHOLINE, pharmacodynamics/ ATROPINE, pharmacodynamics/ CALCIUM, metabolism/ CALCIUM, physiology/ CARBAMAZEPINE, pharmacodynamics/ COCAINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM, ENGLISH ABSTRACT/ IN VITRO/ METHACHOLINE COMPOUNDS, pharmacodynamics/ \*MUSCLE CONTRACTION, drug effects/ \*MUSCLE, SMOOTH, drug effects/ PHYSOSTIGMINE, pharmacodynamics/ RATS/ TIME FACTORS/ TRACHEA, drug effects
1410. Gomita Y, Gomita H, Nakaebisu H, et al: [Effects of conditioned behavior in rats (author's transl)] *Nippon Yakurigaku Zasshi* 74(5):615-28, Jul 78 (Eng. Abstr.)  
ANIMAL/ \*AVOIDANCE LEARNING, drug effects/ \*BENZODIAZEPINE TRANQUILIZERS, pharmacodynamics/ COMPARATIVE STUDY/ \*CONDITIONING (PSYCHOLOGY), drug effects/ \*CONFLICT (PSYCHOLOGY), drug effects/ DIAZEPAM, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ HYPOTHALAMUS/ MALE/ RATS/ SELECTED STIMULATION, drug effects/ \*TRIAZOLAM, pharmacodynamics
1411. Gonc M, Barbeau A: Essais physiologiques avec la levodopa dans la maladie de Parkinson. *Rev Neurol (Paris)* 134(2):141-9, Feb 78 (Eng. Abstr.)  
AGED/ \*ANTIPARKINSON AGENTS, use/ CLINICAL RESEARCH/ DRUG EVALUATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INTELLIGENCE, MIDDLE AGE/ MOTOR SKILLS, effects/ MSH RELEASE INHIBITING HORMONE, metabolism/ \*MSH RELEASE INHIBITING HORMONE, therapeutic use/ MSH, blood/ \*PARKINSON DISEASE, drug therapy/



## AUTHOR SECTION

PARKINSON DISEASE, POSTENCEPHALITIC,  
drug therapy

Goncharenko EN: Biogennyye aminy i radiochuvstvitel'nost'  
odinochnykh kletok. Biol Nauki (7):7-16, 1978 (54 ref.)

(Rus)

ANIMAL/ ANOXIA, chemically induced/ \*BONE  
MARROW, cytology/ BONE MARROW, radiation  
effects/ CARCINOMA, EHRLICH TUMOR,  
pathology/ CELLS, CULTURED/ CRICETULUS/  
ESCHERICHIA COLI, cytology/ ESCHERICHIA  
COLI, radiation effects/ FIBROBLASTS, drug effects/  
FIBROBLASTS, radiation effects/ \*GLUTAMATES,  
pharmacodynamics/ HAMSTERS/ \*HISTAMINE,  
pharmacodynamics/ HUMAN/  
MERCAPTOETHYLAMINES, pharmacodynamics/  
MICE/ MONKEYS/ OXYGEN CONSUMPTION,  
drug effects/ \*RADIATION-PROTECTIVE  
AGENTS, pharmacodynamics/ REVIEW/  
SACCHAROMYCES CEREVISIAE, cytology/  
SACCHAROMYCES CEREVISIAE, radiation effects/  
\*SEROTONIN, analogs & derivatives/ SEROTONIN,  
pharmacodynamics

Gonnot G, Sors C: Utilisation du dipropionate de  
béclométhasone en cures courtes dans le traitement des  
bronchopneumopathies obstructives spasmodiques.

Poumon Cœur 34(4):255-8, 1978 (Eng. Abstr.)

(Fre)

ADMINISTRATION, INTRANASAL/ AEROSOLS/  
ASTHMA, drug therapy/ BECLMETHASONE,  
administration & dosage/ \*BECLMETHASONE,  
therapeutic use/ \*BRONCHIAL DISEASES, drug  
therapy/ BRONCHIAL SPASM, drug therapy/  
ENGLISH ABSTRACT/ HUMAN/ \*LUNG  
DISEASES, OBSTRUCTIVE, drug therapy/ TIME  
FACTORS

Gonzales LW, Geel SE: Enhanced cerebral protein synthesis  
in developing hypothalamic rats: evidence for delayed  
maturation. J Neurochem 31(5):1239-45, Nov 78

AGING/ ANIMAL/ CEREBRAL CORTEX, growth  
& development/ \*CEREBRAL CORTEX, metabolism/  
\*HYPOTHYROIDISM, metabolism/ IN VITRO/  
KINETICS/ LEUCINE, metabolism/ \*NERVE  
TISSUE PROTEINS, biosynthesis/ RATS/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.

González-Martín MC, Muñoz Villa A, García-Miguel P, et al:  
Supervivencia a largo plazo en la leucosis linfoblástica aguda  
infantil. An Esp Pediatr 11(6-7):453-60, Jun-Jul 78 (Eng.  
Abstr.)

(Spa)

ASPARAGINASE, therapeutic use/ CHILD/ CHILD,  
PRESCHOOL/ DRUG THERAPY,  
COMBINATION/ ENGLISH ABSTRACT/  
FEMALE/ HUMAN/ INFANT/ LEUKEMIA,  
LYMPHOBLASTIC, drug therapy/ \*LEUKEMIA,  
LYMPHOBLASTIC, mortality/ LEUKEMIA,  
LYMPHOBLASTIC, radiotherapy/ MALE/  
METHOTREXATE, therapeutic use/ PREDNISONE,  
therapeutic use/ TIME FACTORS/ VINCRISTINE,  
therapeutic use

González Noriega A: Estudio de la cromatina sexual en una  
población de pacientes de dos hospitales psiquiátricos.  
Neurol Neurocir Psiquiatr 16(4):255-61, 1975 (Eng. Abstr.)

(Spa)

ADOLESCENCE/ ADULT/ AGE FACTORS/  
CHILD/ ENGLISH ABSTRACT/ FEMALE/  
HUMAN/ MALE/ \*MENTAL DISORDERS, familial  
& genetic/ \*SEX CHROMATIN

Goodale WS, Garverick HA, Kesler DJ, et al: Transitory  
changes of hormones in plasma of postpartum dairy cows.  
J Dairy Sci 61(6):740-6, Jun 78

ANIMAL/ CATTLE/ \*ESTRADIOL, blood/  
ESTRUS/ FEMALE/ \*LH, blood/ OVARY,  
physiology/ OVULATION/ PITUITARY GLAND,  
physiology/ PREGNANCY/ \*PROGESTERONE,  
blood/ \*PUERPERIUM/ RADIOIMMUNOASSAY/  
TIME FACTORS

Goodman FR: Calcium related basis of action of vascular agents:  
cellular approaches. pp. 331-54.

In: Weiss GB, ed. Calcium in drug action. New York,  
Plenum Press, 1978. QV 276 S989c 1977. (73 ref.)

AMINOGLYCOSIDES, pharmacodynamics/  
ANIMAL/ ANTIBIOTICS, pharmacodynamics/  
\*BLOOD VESSELS, drug effects/ BLOOD VESSELS,  
metabolism/ CALCIUM, metabolism/ \*CALCIUM,  
physiology/ IN VITRO/ MANNITOL,  
pharmacodynamics/ MONOGRAPH/ MUSCLE

CONTRACTION, drug effects/ MUSCLE, SMOOTH,  
drug effects/ MUSCLE, SMOOTH, metabolism/  
REVIEW/ UNITED STATES GOV'T SUPPORTED,  
P.H.S.

1419. Goodman M, Solomons CC, Miller PD: Distinction between  
the common symptoms of the phosphate-depletion syndrome  
and glucocorticoid-induced disease. Am J Med 65(5):868-72,  
Nov 78

\*ANTACIDS, adverse effects/ ASTHMA, drug  
therapy/ CALCIUM GLUCONATE, therapeutic use/  
CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/  
ERGOCALCIFEROL, adverse effects/ HUMAN/  
MALE/ METHYLPREDNISOLONE, adverse effects/  
MIDDLE AGE/ OSTEOPOROSIS, drug therapy/  
PHOSPHATES, urine/ \*PHOSPHORUS  
METABOLISM DISORDERS, chemically induced/  
\*PREDNISOLONE, adverse effects/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.

1420. Goodman R, Herschman HR: Nerve growth factor-mediated  
induction of tyrosine hydroxylase in a clonal  
pheochromocytoma cell line. Proc Natl Acad Sci USA  
75(9):4587-90, Sep 78

CELL LINE/ DEXAMETHASONE,  
pharmacodynamics/ DRUG SYNERGISM/ ENZYME  
INDUCTION, drug effects/ KINETICS/  
NEOPLASMS, EXPERIMENTAL, enzymology/  
\*NERVE GROWTH FACTOR, pharmacodynamics/  
\*PHEOCHROMOCYTOMA, enzymology/  
\*TYROSINE HYDROXYLASE, biosynthesis/  
UNITED STATES GOV'T SUPPORTED/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.

1421. Goodrum KJ, Moore RN, Berry LJ: Pharmacologic reversal  
of selected effects of endotoxin. Toxicol Suppl 1(1):889-97,  
1978

ANIMAL/ BODY TEMPERATURE, drug effects/  
DRINKING, drug effects/ EATING, drug effects/  
\*ENDOTOXINS, antagonists & inhibitors/  
ENDOTOXINS, pharmacodynamics/ ENDOTOXINS,  
toxicity/ ENZYME INDUCTION, drug effects/  
\*HYDROCORTISONE, pharmacodynamics/  
\*INDOMETHACIN, pharmacodynamics/ MICE/  
MICE, INBRED ICR/ PHOSPHOENOLPYRUVATE  
CARBOXYKINASES, biosynthesis/ SALMONELLA  
TYPHIMURIUM/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.

1422. Goodwin CD, Margolis S: Cyclic AMP-sensitive activation of  
hepatic sterol synthesis and 3-hydroxy-3-methylglutaryl  
coenzyme A reductase. J Lipid Res 19(6):747-56, Aug 78

\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
pharmacodynamics/ ADENOSINE TRIPHOSPHATE,  
pharmacodynamics/ ANIMAL/ COMPARATIVE  
STUDY/ CYTOSOL, metabolism/ ENDOPASMIC  
RETICULUM, metabolism/ ENZYME  
ACTIVATION, drug effects/ FLUORIDES,  
pharmacodynamics/  
\*HYDROXYMETHYLGLUTARYL COA  
REDUCTASES, metabolism/ LIVER, metabolism/  
MAGNESIUM, pharmacodynamics/ MALE/ RATS/  
\*STEROLS, biosynthesis/ TEMPERATURE/  
UNITED STATES GOV'T SUPPORTED, P.H.S.

1423. Goodwin JS, Messner RP, Peake GT: Prostaglandin suppression  
of mitogen-stimulated lymphocytes in vitro. Changes with  
mitogen dose and preincubation. J Clin Invest 62(4):753-60,  
Oct 78

ADULT/ DOSE-RESPONSE RELATIONSHIP,  
DRUG/ FEMALE/ HUMAN/  
\*IMMUNOSUPPRESSION/ \*INDOMETHACIN,  
pharmacodynamics/ \*LYMPHOCYTE  
TRANSFORMATION, drug effects/ MALE/  
PHYTOHEMAGGLUTININS, antagonists &  
inhibitors/ PHYTOHEMAGGLUTININS,  
pharmacodynamics/ PROSTAGLANDINS E,  
pharmacodynamics/ \*PROSTAGLANDINS,  
biosynthesis/ TIME FACTORS/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.

1424. Goossens N, Dierickx K, Vandesande F: Immunocytochemical  
study of the neurohypophyseal hormone producing system  
of the lungfish, *Protopterus aethiopicus*. Cell Tissue Res  
190(1):69-77, 26 Jun 78

ANIMAL/ AXONS, metabolism/ \*FISHES, anatomy  
& histology/ \*HYPOTHALAMO-HYPOPHYSEAL  
SYSTEM, anatomy & histology/ IMMUNOENZYME  
TECHNICS/ MEDIAN EMINENCE, anatomy &  
histology/ NERVE FIBERS, metabolism/ NEURONS,



# AUTHOR SECTION

- metabolism/ OXYTOCIN, analogs & derivatives/ OXYTOCIN, biosynthesis/ PITUITARY GLAND, anatomy & histology/ PITUITARY GLAND, POSTERIOR, anatomy & histology/ PREOPTIC AREA, anatomy & histology/ VASOTOCIN, biosynthesis
1425. Goranskii AI: Vliianie rezektsii zheludka na vodno-solevoi gomeostaz. Vestn Khir 121(9):28-31, Sep 78 (Eng. Abstr.) (Rus)  
ANIMAL/ CALCIUM, metabolism/ DIURESIS/ DOGS/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ \*GASTRECTOMY, adverse effects/ \*HOMEOSTASIS/ OSMOLAR CONCENTRATION/ POSTOPERATIVE PERIOD/ POTASSIUM, metabolism/ \*WATER-ELECTROLYTE BALANCE
1426. Gordienko VM, Slavnov VN, Valueva GV, et al: Izmeneniia funktsional'nogo sostoiianiia i ul'trastruktury kletok klubochkovoi zony kory nadpocheknikov krys v usloviakh dlitel'nogo immobilizatsionnogo stressa. Probl Endokrinol (Mosk) 24(5):91-6, Sep-Oct 78 (Eng. Abstr.) (Rus)  
\*ADRENAL CORTEX, physiopathology/ ADRENAL CORTEX, ultrastructure/ ALDOSTERONE, biosynthesis/ ALDOSTERONE, blood/ ANIMAL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ \*IMMOBILIZATION/ MALE/ RATS/ \*STRESS, physiopathology/ TIME FACTORS
1427. Gordon D, James VH, Peart WS, et al: Changes in urinary aldosterone excretion and plasma renin activity in response to dietary sodium chloride deprivation in man [proceedings] J Physiol (Lond) 280:43P-44P, Jul 78  
ADULT/ \*ALDOSTERONE, urine/ \*DIET, SALT-FREE/ HUMAN/ MALE/ \*RENIN, blood/ SODIUM, urine
1428. Gordon DS, Sergeeva VE, Golubeva NN: Aktivnost' i raspredelenie biogennykh aminov v strukturakh timusa i slezenki pri vvedenii izo- i geterologichnykh éritrotsitakh. Biull Eksp Biol Med 86(8):245-7, Aug 78 (Eng. Abstr.) (Rus)  
ADRENERGIC FIBERS, metabolism/ ANIMAL/ \*BIOGENIC AMINES, metabolism/ CATECHOLAMINES, metabolism/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ \*ERYTHROCYTES, transplantation/ HISTOCYTOCHEMISTRY/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/ \*SPLEEN, metabolism/ \*THYMUS GLAND, metabolism
1429. Gordon S, Morrison J: The metabolic fate of triamcinolone acetate in laboratory animals. Steroids 32(1):25-35, Jul-Aug 78  
ANIMAL/ BIOTRANSFORMATION/ CHROMATOGRAPHY, THIN LAYER/ CYNOMOLGUS MONKEYS/ DOGS/ FECES, analysis/ MONKEYS/ RABBITS/ RATS/ SPECIES SPECIFICITY/ SPECTRUM ANALYSIS, MASS/ \*TRIAMCINOLONE ACETONIDE, metabolism/ TRIAMCINOLONE ACETONIDE, urine
1430. Gorenshstein AI, Levin IuR, Poplavskii KE: Osobennosti regionalnogo venoznogo krovobrashcheniia pri varikotsele u detei. Klin Khir 8(8):85-6, Aug 78 (Rus)  
ADOLESCENCE/ CHILD/ HUMAN/ HYPERTENSION, RENOVASCULAR, physiopathology/ MALE/ REGIONAL BLOOD FLOW/ RENAL VEINS, physiopathology/ \*TESTIS, blood supply/ \*VARICOCELE, physiopathology/ VEINS
1431. Goriachev VV: Sostoianie obmena zheleza u beremennykh zhenshchin v usloviakh nedostatochnosti platsenty. Vopr Okhr Materin Det 23(8):88, Aug 78 (Rus)  
ADOLESCENCE/ ADULT/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ INFANT, NEWBORN/ \*IRON, metabolism/ \*PLACENTA DISORDERS, metabolism/ \*PLACENTAL INSUFFICIENCY, metabolism/ PREGNANCY/ TRANSFERRIN, analysis
1432. Görsch I, Werner U: Übersichtsarbeiten. Z Aerzt Fortbild (Jena) 72(18):857-60, 15 Sep 78 (43 ref.) (Ger)  
AGED/ EMERGENCIES/ FEMALE/ HUMAN/ INNOMINATE ARTERY, injuries/ LARYNGISMUS, surgery/ MALE/ MIDDLE AGE/ PHARYNGEAL NEOPLASMS, surgery/ RESUSCITATION/
- REVIEW/ THYROID NEOPLASMS, surgery/ TRACHEAL NEOPLASMS, surgery/ TRACHEAL STENOSIS, surgery/ \*TRACHEOTOMY
1433. Gorodtsova VI, Stabrovskii EM, Retnev VM, et al: So funktsional'noi aktivnosti simpatiko-adrenalovoi i énterochromaffinnoi sistem u montazhnikov-stroitel' rabote na vysote. Gig Tr Prof Zabol 8(8):50-2, Aug 78 (Rus)  
\*ADRENAL GLANDS, physiology/ ADULT/ \*ALTITUDE/ \*CHROMAFFIN SYSTEM, physiology/ \*ENTEROCHROMAFFIN CELL, physiology/ EPINEPHRINE, urine/ HUMAN/ NOREPINEPHRINE, urine/ \*OCCUPATION MEDICINE/ SEROTONIN, blood/ \*SYMPATHETIC NERVOUS SYSTEM, physiology/ USSR
1434. Górowski T, Kaniewski M, Gabryelewicz M: Thyroid in early sub-acute thyroiditis. Clin Endocrinol (Oxf) 9(2):175-8, Aug 78  
CASE REPORT/ FEMALE/ HUMAN/ MIDDLE AGE/ THYROID GLAND, pathology/ \*THYROID GLAND, physiopathology/ THYROIDITIS, pathology/ \*THYROIDITIS, physiopathology/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood/ THYROTROPIN, diagnostic use
1435. Gorwill RH, Sarda IR: Unconjugated serum oestriol in mother and baby with meconium staining of the fluid. Br J Obstet Gynaecol 85(8):602-4, Aug 78  
ACID-BASE EQUILIBRIUM/ \*AMNIOTIC FLUID, analysis/ \*ESTRIOL, blood/ FEMALE/ \*FETAL BLOOD, analysis/ HUMAN/ INFANT, NEWBORN/ \*LABOR/ \*MECONIUM, analysis/ PREGNANCY
1436. Gosden RG, Jones EC, Jacks F: Pituitary-ovarian relationship during the post-reproductive phase of inbred mice. Exp Gerontol 13(3-4):159-66, 1978  
\*AGING/ ANIMAL/ COMPARATIVE STUDY/ FEEDBACK/ FEMALE/ HUMAN/ HYPOTHALAMUS, physiology/ LH, secretion/ MENOPAUSE/ \*MICE, INBRED STRAINS, physiology/ \*OVARY, physiology/ \*PITUITARY GLAND, physiology/ PREGNANCY/ \*REPRODUCTION/ 3-HYDROXYSTEROID DEHYDROGENASES, secretion
1437. Goto G, Yoshioka K, Hiraga K, et al: Synthesis and antianabolic activity of 16beta-substituted-17beta-hydroxysteroids. Chem Pharm Bull (Tokyo) 26(6):1718-28, Jun 78  
\*ANDROGEN ANTAGONISTS, chemical synthesis/ ANIMAL/ \*HYDROXYSTEROIDS, chemical synthesis/ HYDROXYSTEROIDS, pharmacodynamics/ MALE/ RATS
1438. Goto Y, Watanabe K: Antisecretory effect of imidazole derivatives in an isolated gastric mucosa preparation from an anesthetized young chicken preparation; comparison with a histamine H2-receptor antagonist. Jpn J Pharmacol 28(2):185-95, Apr 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, antagonists & inhibitors/ ANIMAL/ BETHANOL, antagonists & inhibitors/ CHOLERA, antagonists & inhibitors/ COMPARATIVE STUDY/ DEPRESSION, CHEMICAL/ DIBENAMINE, antagonists & inhibitors/ FROGS/ GASTRIC FISTULA/ \*GASTRIC JUICE, secretion/ \*GASTRIC MUCOSA, secretion/ \*HISTAMINE H2 RECEPTOR BLOCKADERS, pharmacodynamics/ \*IMIDAZOLES, pharmacodynamics/ IN VITRO/ METAMIDE, pharmacodynamics/ TETRAHYDRO, antagonists & inhibitors
1439. Goulding FJ, Garrett RA: Twenty-five-year experience with prune belly syndrome. Urology 12(3):329-32, Sep 78  
\*ABDOMINAL WALL, abnormalities/ ABDOMINAL WALL, surgery/ \*ABNORMALITIES, MULTIPLE/ \*CRYPTORCHISM, complications/ \*CRYPTORCHISM, surgery/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ \*HYDRONEPHROSIS, congenital/ \*HYDRONEPHROSIS, surgery/ INFANT/ NEWBORN/ MALE/ PROGNOSIS/ SYNDROME/ URINARY DIVERSION/ \*UROGENITAL SYSTEM, abnormalities
1440. Govindan MV, Sekeris CE: Purification of two dexamethasone-binding proteins from rat-liver cytosol. Eur J Biochem 89(1):95-104, 15 Aug 78



## AUTHOR SECTION

- ANIMAL/ CHROMATOGRAPHY, AFFINITY/ CYTOSOL, metabolism/ \*DEXAMETHASONE, metabolism/ GEL DIFFUSION TESTS/ \*LIVER, metabolism/ MOLECULAR WEIGHT/ PRECIPITIN TESTS/ RATS/ RECEPTORS, GLUCOCORTICOID, immunology/ \*RECEPTORS, GLUCOCORTICOID, isolation & purification/ \*RECEPTORS, STEROID, isolation & purification
441. Gozariu L, Barabas E: 45Ca uptake in tooth germs: effects of parathormone, calcitonin and propranolol. *Endocrinologie* 16(3):213-7, Jul-Sep 78  
ANIMAL/ \*CALCITONIN, pharmacodynamics/ \*CALCIUM, metabolism/ \*PARATHYROID HORMONE, pharmacodynamics/ \*PROPRANOLOL, pharmacodynamics/ RATS/ \*TOOTH GERM, metabolism
442. Gozzetti G, Innocenti P, Baiocchi A, et al: I tumori maligni non secernenti del corticosurrene. Descrizione di un caso. *Minerva Chir* 33(18):1209-14, 30 Sep 78 (Eng. Abstr.)(Ita)  
\*ADRENAL CORTEX NEOPLASMS/ ADRENAL CORTEX NEOPLASMS, diagnosis/ ADRENAL CORTEX NEOPLASMS, surgery/ \*CARCINOMA/ CARCINOMA, diagnosis/ CARCINOMA, surgery/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE
443. Graber P: Thérapeutique curative du carcinome de la prostate. *Ther Umsch* 35(10):845-8, Oct 78 (Eng. Abstr.) (Fre)  
AGED/ ENGLISH ABSTRACT/ ESTROGENS, therapeutic use/ HUMAN/ MALE/ MIDDLE AGE/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, surgery/ \*PROSTATIC NEOPLASMS, therapy
444. Grabowska-Bochenek R, Hepa J: Lack of effect of prolonged hydrocortisone administration on the percentage of liver histone fractions in guinea pigs. *Endokrynol Pol* 29(4):339-42, Jul-Aug 78  
ANIMAL/ GUINEA PIGS/ \*HISTONES, analysis/ \*HYDROCORTISONE, pharmacodynamics/ LIVER, analysis/ \*LIVER, drug effects/ MALE
445. Gracheva ND, Danilova OA: Radioautograficheskoe izuchenie srokov vozniknoveniia kletok supraopticheskogo iadra myshi v émbriogeneze. *Ontogenez* 9(4):345-54, 1978 (Eng. Abstr.) (Rus)  
ANIMAL/ AUTORADIOGRAPHY/ ENGLISH ABSTRACT/ EPENDYMA, embryology/ GESTATIONAL AGE/ \*HYPOTHALAMUS, embryology/ MICE/ MICE, INBRED STRAINS/ SUPRAOPTIC NUCLEUS, cytology/ \*SUPRAOPTIC NUCLEUS, embryology
446. Gráf L, Cseh G, Barát E, et al: Structure-function relationships in lipotropins. *Ann NY Acad Sci* 297:63-83, 28 Oct 77  
AMINO ACID SEQUENCE/ ANIMAL/ CIRCULAR DICHROISM/ ENDORPHINS/ HUMAN/ \*LIPOTROPIN/ LIPOTROPIN, metabolism/ LIPOTROPIN, pharmacodynamics/ MOLECULAR CONFORMATION/ PEPTIDE FRAGMENTS, pharmacodynamics/ PITUITARY GLAND, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ SWINE
447. Graff G, Stephenson JH, Glass DB, et al: Activation of soluble splenic cell guanylate cyclase by prostaglandin endoperoxides and fatty acid hydroperoxides. *J Biol Chem* 253(21):7662-76, 10 Nov 78  
ANIMAL/ CATIONS, DIVALENT/ DITHIOTHREITOL, pharmacodynamics/ ENZYME ACTIVATION/ \*FATTY ACIDS, pharmacodynamics/ \*GUANYL CYCLASE, metabolism/ GUINEA PIGS/ HYDROXY ACIDS, pharmacodynamics/ KINETICS/ MALE/ \*PEROXIDES, pharmacodynamics/ \*PROSTAGLANDIN ENDOPEROXIDES, pharmacodynamics/ \*PROSTAGLANDINS E, pharmacodynamics/ \*PROSTAGLANDINS G, pharmacodynamics/ \*PROSTAGLANDINS H, pharmacodynamics/ \*SPLEEN, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
448. Graham K, Caird FI: High-dose steroid therapy of intracranial tumour in the elderly. *Age Ageing* 7(3):146-50, Aug 78  
AGED/ \*BRAIN NEOPLASMS, drug therapy/ CASE REPORT/ \*DEXAMETHASONE, administration & dosage/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ \*LYMPHOMA, drug therapy/ MALE/ \*MENINGIOMA, drug therapy/
- MIDDLE AGE
1449. Gramlich B, Richter J, Fröhlich P, et al: Zur Beurteilung des Knochenzustandes mit Ultraschall. I. Mitteilung: Klinische und experimentelle Fragestellung. *Z Exp Chir* 11(4):258-61, 4 Aug 78 (Eng. Abstr.) (Ger)  
BONE AND BONES, anatomy & histology/ BONE AND BONES, pathology/ \*BONE AND BONES, physiology/ BONE DISEASES, diagnosis/ ENGLISH ABSTRACT/ HUMAN/ \*ULTRASONICS, diagnostic use/ ULTRASONICS, instrumentation
1450. Gramlich B, Richter J, Fröhlich P, et al: Zur Beurteilung des Knochenzustandes mit Ultraschall. II. Mitteilung: Kenngrößen im Knochenogramm. *Z Exp Chir* 11(4):262-7, 4 Aug 78 (Eng. Abstr.) (Ger)  
BONE AND BONES, anatomy & histology/ \*BONE AND BONES, physiology/ BONE DISEASES, diagnosis/ ENGLISH ABSTRACT/ HUMAN/ \*ULTRASONICS, diagnostic use/ ULTRASONICS, methods
1451. Grant M, Sharf M: [Implications of female sex hormones administration during pregnancy (editorial)] *Harefuah* 95(2):89-90, 16 Jul 78 (Heb)  
FEMALE/ HUMAN/ \*PREGNANCY, drug effects/ \*SEX HORMONES, pharmacodynamics
1452. Grant PG, Buschang PH, Drolet DW: Positional relationships of structures attached to long bones during growth. Cross-sectional studies. *Acta Anat (Basel)* 102(4):378-84, 1978  
AGE FACTORS/ ANIMAL/ \*BONE AND BONES, anatomy & histology/ \*BONE DEVELOPMENT/ FEMALE/ MALE/ \*MUSCLES, anatomy & histology/ MUSCLES, growth & development/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1453. Gravis CJ: Inhibition of spermiation in the Syrian hamster using dibutyl cyclic-AMP. *Cell Tissue Res* 192(2):241-8, 5 Sep 78  
ANIMAL/ \*DIBUTYRYL CYCLIC AMP, pharmacodynamics/ HAMSTERS/ MALE/ SEMINIFEROUS EPITHELIUM, ultrastructure/ \*SERTOLI CELLS, drug effects/ SERTOLI CELLS, ultrastructure/ SPERMATIDS, ultrastructure/ \*SPERMATOGENESIS, drug effects/ SPERMATOGONIA, drug effects/ SPERMATOGONIA, ultrastructure/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1454. Graze K, Spiler IJ, Tashjian AH Jr, et al: Natural history of familial medullary thyroid carcinoma: effect of a program for early diagnosis. *N Engl J Med* 299(18):980-5, 2 Nov 78  
ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, diagnosis/ ADULT/ AGED/ \*CALCITONIN, secretion/ CALCIUM, diagnostic use/ CARCINOMA, diagnosis/ \*CARCINOMA, familial & genetic/ CARCINOMA, surgery/ CHILD/ FALSE NEGATIVE REACTIONS/ HUMAN/ HYPERPLASIA/ LYMPHATIC METASTASIS/ MIDDLE AGE/ NEOPLASM METASTASIS/ PENTAGASTRIN, diagnostic use/ PHEOCHROMOCYTOMA, diagnosis/ THYROID GLAND, pathology/ THYROID NEOPLASMS, diagnosis/ \*THYROID NEOPLASMS, familial & genetic/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1455. Grechishkin LL, Zelk U, Karnstedt U: Biokhimicheskie mekhanizmy deistviia tsimetidina na razvitiie éksperimental'nykh iazv zheludka u kryss. *Farmakol Toksikol* 41(5):590-4, Sep-Oct 78 (Eng. Abstr.) (Rus)  
ANIMAL/ CALCIUM, metabolism/ \*CIMETIDINE, therapeutic use/ DRUG SCREENING/ ENERGY METABOLISM, drug effects/ ENGLISH ABSTRACT/ \*GUANIDINES, therapeutic use/ IMMOBILIZATION/ MALE/ RATS/ SODIUM, metabolism/ \*STOMACH ULCER, drug therapy/ STOMACH ULCER, metabolism/ STOMACH, metabolism/ TIME FACTORS
1456. Green R, Herr H, Scott M, et al: Cryptorchidism and testicular neoplasia. *J Natl Med Assoc* 70(9):659-64, Sep 78  
ADOLESCENCE/ ADULT/ CASE REPORT/ \*CRYPTORCHISM, complications/ \*DYSGERMINOMA, etiology/ HUMAN/ MALE/ MIDDLE AGE/ RETROSPECTIVE STUDIES/

# AUTHOR SECTION

- \*TERATOID TUMOR, etiology/ \*TESTICULAR NEOPLASMS, etiology
1457. Green U, Ketkar M: The influence of diazepam and thiouracil upon the carcinogenic effect of diethylnitrosamine in gerbils. *Z Krebsforsch* 92(1):55-62, 24 Aug 78  
ANIMAL/ \*CHOLANGIOMA, chemically induced/ CHOLANGIOMA, ultrastructure/ \*DIAZEPAM, therapeutic use/ DIETHYLNITROSAMINE/ GERBILS/ \*LIVER NEOPLASMS, prevention & control/ LIVER, ultrastructure/ \*THIOURACIL, therapeutic use
1458. Greenberg LH, Troyer E, Ferrendelli JA, et al: Enzymatic regulation of the concentration of cyclic GMP in mouse brain. *Neuropharmacology* 17(9):737-45, Sep 78  
ANIMAL/ BRAIN, enzymology/ \*BRAIN, metabolism/ FEMALE/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ GUANYL CYCLASE, metabolism/ IN VITRO/ KINETICS/ MICE/ OSMOLAR CONCENTRATION/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 3',5'-CYCLIC GMP PHOSPHODIESTERASE, metabolism
1459. Greenberger JS: Sensitivity of corticosteroid-dependent insulin-resistant lipogenesis in marrow preadipocytes of obese-diabetic (db/db) mice. *Nature* 275(5682):752-4, 26 Oct 78  
\*ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, metabolism/ \*ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL/ BONE MARROW, cytology/ \*BONE MARROW, metabolism/ CELL DIFFERENTIATION, drug effects/ \*DIABETES MELLITUS, EXPERIMENTAL, metabolism/ \*INSULIN, pharmacodynamics/ \*LIPIDS, biosynthesis/ MICE/ MICE, MUTANT STRAINS, metabolism/ \*MICE, OBESE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1460. Greene LA: Nerve growth factor prevents the death and stimulates the neuronal differentiation of clonal PC12 pheochromocytoma cells in serum-free medium. *J Cell Biol* 78(3):747-55, Sep 78  
BLOOD/ CELL DIFFERENTIATION, drug effects/ CELL LINE/ CELL SURVIVAL, drug effects/ CULTURE MEDIA/ DOSE-RESPONSE RELATIONSHIP, DRUG/ \*NERVE GROWTH FACTOR, pharmacodynamics/ \*NEURONS, cytology/ NEURONS, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1461. Greenfield LD, Herman MW, Patrick J: Radiation safety precautions with I3 Iodine therapy. *Cancer Nurs* 1(5):379-84, Oct 78  
HUMAN/ \*IODINE RADIOISOTOPES, therapeutic use/ PATIENT CARE PLANNING/ RADIATION DOSAGE/ \*RADIATION PROTECTION/ \*THYROID NEOPLASMS, nursing/ THYROID NEOPLASMS, radiotherapy
1462. Greenwald RA, Moy WW, Seibold J: Functional properties of cartilage proteoglycans. *Semin Arthritis Rheum* 8(1):53-67, Aug 78 (93 ref.)  
ANIMAL/ CALCIFICATION, PHYSIOLOGIC/ \*CARTILAGE, physiology/ CELL DIFFERENTIATION/ CELLS, metabolism/ CHEMISTRY/ CLOSTRIDIOPROTEINASE A, metabolism/ HUMAN/ IN VITRO/ LYMPHOCYTE TRANSFORMATION/ PHAGOCYTOSIS/ PROTEOGLYCANS, immunology/ PROTEOGLYCANS, metabolism/ \*PROTEOGLYCANS, physiology/ REVIEW/ SOLUBILITY/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1463. Gregoric G, Miletic V: Odredjivanje SPI proteina u trudnoći. *Srp Arh Celok Lek* 105(9):779-82, Sep 77 (Eng. Abstr.) (Sec)  
\*BETA GLOBULINS/ BETA GLOBULINS, metabolism/ ENGLISH ABSTRACT/ FEMALE/ \*GLYCOPROTEINS, blood/ GLYCOPROTEINS, metabolism/ HUMAN/ \*PLACENTA, metabolism/ \*PREGNANCY
1464. Grekov P, Jonás P, Pješák M, et al: Metodické zvláštnosti katexrizácie obličkových zíl pri odbere vzoriek na stanovenie plazmatickej renínovej aktivity a cielenej flebografie u chorých s hypertenziou. *Vnitr Lek* 24(9):856-60, Sep 78 (Eng. Abstr.) (Slo)  
BLOOD SPECIMEN COLLECTION/
- \*CATHETERIZATION, methods/ ENGLISH ABSTRACT/ HUMAN/ \*HYPERTENSION, blood  
\*RENAL VEINS/ \*RENIN, blood
1465. Gremigni D, Peduto VA, Pieraccioli E: Protossido di azo effetti sulla spermatogenesi del ratto. *Boll Soc Ital Biol Sper* 54(8):755-8, 30 Apr 78  
ANIMAL/ \*NITROGEN OXIDES, toxicity/ RATS/ \*SPERMATOGENESIS, drug effects/ \*TESTIS, effects
1466. Gresik EW, Michelakis A, Barka T: Immunocytochemical localization of renin in the submandibular gland of the mouse during postnatal development. *Am J Anat* 153(3):443-9, 78  
AGING/ ANIMAL/ FEMALE/ IMMUNOENZYME TECHNIQUES/ MALE/ MICE/ \*RENIN, metabolism/ SUBMANDIBULAR GLAND, cytology/ \*SUBMANDIBULAR GLAND, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1467. Grevert P, Baizman ER, Goldstein A: Naloxone effects on nociceptive response of hypophysectomized and adrenalectomized mice. *Life Sci* 23(7):723-8, 21 Aug 78  
\*ADRENALECTOMY/ ANIMAL/ \*HYPOPHYSECTOMY/ MALE/ MICE/ MICE INBRED ICR/ \*NALOXONE, pharmacodynamics/ \*PAIN, physiopathology/ REACTION TIME, drug effects
1468. Grewal GS, Singh B: Skeletal abnormalities in domestic chicks. *Avian Dis* 22(3):519-21, Jul-Sep 78  
ANIMAL/ BEAK, abnormalities/ \*BONE AND BONES, abnormalities/ \*CHICKENS/ FEMALE MICROPHthalmos, veterinary/ \*POULTRY DISEASES, congenital/ TARSUS, ANIMAL, abnormalities
1469. Greyson ND, Noyek AM: Nuclear medicine in otolaryngological diagnosis. *Otolaryngol Clin North Am* 11(2):541-60, Jun 78  
ARTHRITIS, radionuclide imaging/ BONE AND BONES, radionuclide imaging/ BONE NEOPLASMS, radionuclide imaging/ BRAIN NEOPLASMS, radionuclide imaging/ BRAIN, radionuclide imaging/ FRACTURES, radionuclide imaging/ GALLIUM RADIOISOTOPES/ HUMAN/ LACRIMAL APPARATUS, radionuclide imaging/ LARYNGEAL DISEASES, radionuclide imaging/ MENINGEAL NEOPLASMS, radionuclide imaging/ MENINGEAL radionuclide imaging/ OSTEOMYELITIS, radionuclide imaging/ \*OTORHINOLARYNGOLOGIC DISEASES, radionuclide imaging/ SALIVARY GLANDS, radionuclide imaging/ TECHNETIUM diagnostic use/ TEMPOROMANDIBULAR JOINT, radionuclide imaging/ THYROID GLAND, radionuclide imaging
1470. Griffin WS, Wildenthal K: Myofibrillar alkaline protease activity in rat heart and its responses to some interventions that alter cardiac size. *J Mol Cell Cardiol* 10(7):669-70, 78  
ANIMAL/ AUTOLYSIS, enzymology/ CATHEPSINS, metabolism/ DIABETES MELLITUS, EXPERIMENTAL, enzymology/ GROWTH/ HEART ENLARGEMENT, enzymology/ ISOPROTERENOL, pharmacodynamics/ MALE \*MYOCARDIUM, enzymology/ MYOFIBRILS, enzymology/ \*PEPTIDE HYDROLASES, metabolism/ RATS/ THYROXINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1471. Grigor'eva ZE: Pressornye i depressornye faktory v patogeneze stenokardii pri gipertonicheskoi bolezni. *Vrach Delo* (8):1978 (Eng. Abstr.)  
\*ADRENAL GLANDS, physiopathology/ ADRENAL AGED/ \*ANGINA PECTORIS, etiology/ ANGINA PECTORIS, physiopathology/ CORONARY DISEASE, complications/ CORONARY DISEASE, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYPERTENSION, complications/ HYPERTENSION, physiopathology/ \*KININS, physiology/ MALE/ MIDDLE AGE/ \*SYMPATHETIC NERVOUS SYSTEM, physiopathology
1472. Grigor'eva ZE: Simpatiko-adrenalovaya sistema pri khronicheskoi serdechnososudistoi nedostatochnosti u bol'nykh gipertonicheskoi bolezni'u. *Vrach Delo* (9):1978 (Eng. Abstr.)  
\*ADRENAL GLANDS, physiopathology/ ADRENAL AGED/



# AUTHOR SECTION

- AGED/ CARDIOVASCULAR DISEASES, drug therapy/ \*CARDIOVASCULAR DISEASES, physiopathology/ CATECHOLAMINES, metabolism/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ FREE RADICALS/ HEMODYNAMICS/ HUMAN/ HYPERTENSION, drug therapy/ \*HYPERTENSION, physiopathology/ MALE/ MIDDLE AGE/ \*SYMPATHETIC NERVOUS SYSTEM, physiopathology
473. Grimberg MT, Kruijswijk H, Weijers RN, et al: Low urinary oestrogen excretion during pregnancy, due to an impairment of fetal adrenocorticotrophic hormone secretion. Clin Chim Acta 88(3):449-59, 15 Sep 78  
ADULT/ CASE REPORT/ CORTICOTROPIN, blood/ CORTICOTROPIN, pharmacodynamics/ \*CORTICOTROPIN, secretion/ \*ENDOCRINE DISEASES, metabolism/ \*ESTROGENS, urine/ FEMALE/ \*FETAL DISEASES, metabolism/ FETUS, metabolism/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ MALE/ \*PREGNANCY
474. Grmelius L, Johansson H, Nilsson F, et al: Thyroid carcinoma: presentation of a clinical material with special aspects on the classification and operative treatment. Ups J Med Sci 83(1):35-9, 1978  
ADENOCARCINOMA, surgery/ ADULT/ AGED/ CARCINOMA, classification/ CARCINOMA, mortality/ \*CARCINOMA, surgery/ CARCINOMA, PAPILLARY, surgery/ CARCINOSARCOMA, surgery/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ RADICAL NECK DISSECTION/ THYROID NEOPLASMS, classification/ THYROID NEOPLASMS, mortality/ \*THYROID NEOPLASMS, surgery/ THYROIDECTOMY
475. Grinstein S, Erij D: Intracellular calcium and the regulation of sodium transport in the frog skin. Proc R Soc Lond [Biol] 202(1148):353-60, 26 Jul 78  
ANIMAL/ \*BIOLOGICAL TRANSPORT, ACTIVE/ \*CALCIUM, metabolism/ FROGS/ RANA PIPIENS/ \*SKIN, metabolism/ \*SODIUM, metabolism
476. Gripenberg U, Saarinen I, Bwiho NO, et al: Two true hermaphrodites with XX chromosomes. East Afr Med J 55(8):373-9, Aug 78  
ADOLESCENCE/ CHILD, PRESCHOOL/ FEMALE/ \*HERMAPHRODITISM, diagnosis/ HERMAPHRODITISM, surgery/ HUMAN/ KARYOTYPING/ MALE/ \*SEX CHROMOSOME ABNORMALITIES, diagnosis/ SEX CHROMOSOME ABNORMALITIES, surgery/ X CHROMOSOME
477. Grisafe JA, Hayton WL: Effects of short and medium chain fatty acids on absorption of lipophilic drugs from perfused rat intestine. J Pharm Sci 67(9):1211-5, Sep 78  
ANIMAL/ DRUG INTERACTIONS/ \*DRUGS, metabolism/ \*FATTY ACIDS, pharmacodynamics/ GRISEOFULVIN, metabolism/ \*INTESTINAL ABSORPTION, drug effects/ LIPIDS/ MALE/ PREDNISOLONE, metabolism/ RATS/ SOLUBILITY/ SURFACE TENSION
478. Grizard G, Boucher D, Thieblot L: Circadian variations of ovarian ascorbic acid depletion in response to luteinising hormone in the rat. Int J Chronobiol 5(4):533-44, 1978  
ANIMAL/ \*ASCORBIC ACID, metabolism/ \*CIRCADIAN RHYTHM/ CIRCADIAN RHYTHM, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ \*LH, pharmacodynamics/ ORGAN WEIGHT/ OVARY, anatomy & histology/ \*OVARY, metabolism/ RATS
479. Grollman EF, Lee G, Ramos S, et al: Relationships of the structure and function of the interferon receptor to hormone receptors and establishment of the antiviral state. Cancer Res 38(11 Pt 2):4172-85, Nov 78 (65 ref.)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ BINDING SITES/ CALCIUM, metabolism/ CELL MEMBRANE PERMEABILITY, drug effects/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ CELLS, CULTURED/ CHOLERA TOXIN, metabolism/ GANGLIOSIDES, metabolism/ GLYCINE, metabolism/ \*INTERFERON, metabolism/ INTERFERON, pharmacodynamics/ MEMBRANE POTENTIALS, drug effects/ PROTONS/ \*RECEPTORS, HORMONE/ REVIEW/ SODIUM, metabolism/ THYROTROPIN, metabolism/ \*VIRAL INTERFERENCE
1480. Gronan RJ, York DH: Effects of angiotensin II and acetylcholine on neurons in the preoptic area. Brain Res 154(1):172-7, 6 Oct 78  
\*ACETYLCHOLINE, pharmacodynamics/ ACTION POTENTIALS, drug effects/ \*ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ DRINKING, drug effects/ \*HYPOTHALAMUS, drug effects/ MALE/ NEURAL INHIBITION, drug effects/ NEURONS, drug effects/ PARAVENTRICULAR NUCLEUS, drug effects/ \*PREOPTIC AREA, drug effects/ RATS/ SARALASIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1481. Gronau A, Lehmann F, Leidenberger F, et al: Ergebnisse der Routinetherapie mit Clomiphen. Geburtshilfe Frauenheilkd 38(10):775-84, Oct 78 (Eng. Abstr.) (Ger)  
ADOLESCENCE/ ADULT/ AMENORRHEA, drug therapy/ ANOVULATION, drug therapy/ CLOMIPHENE, administration & dosage/ CLOMIPHENE, adverse effects/ \*CLOMIPHENE, therapeutic use/ CORPUS LUTEUM/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ OLIGOMENORRHEA, drug therapy/ OVARIAN DISEASES, drug therapy/ OVULATION/ \*STERILITY, FEMALE, drug therapy/ TIME FACTORS
1482. Groncy P, Finklestein JZ: Neuroblastoma. Pediatr Ann 7(8):548-59, Aug 78  
ADRENAL GLAND NEOPLASMS, radiography/ ANTIGENS, NEOPLASM, analysis/ BONE NEOPLASMS, radiography/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ IMMUNITY, CELLULAR/ INFANT/ MALE/ NEOPLASM METASTASIS/ NEOPLASM REGRESSION, SPONTANEOUS/ NEOPLASM STAGING/ NEUROBLASTOMA, immunology/ NEUROBLASTOMA, pathology/ \*NEUROBLASTOMA, radiography/ PELVIC NEOPLASMS, radiography/ PROGNOSIS/ RETROPERITONEAL NEOPLASMS, radiography/ SPINAL CORD NEOPLASMS, radiography/ UROGRAPHY
1483. Grönhagen-Riska C, Selroos O, Fyhrquist F: Seerumin angiotensini I -Konvertaasi (ACE) sarkoidoosissa. Duodecim 94(19):1150-7, 1978 (Eng. Abstr.) (Fin)  
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ \*KININASE II, blood/ MALE/ MIDDLE AGE/ SARCOIDOSIS, drug therapy/ \*SARCOIDOSIS, enzymology
1484. Groppetti A, Parenti M, Cattaheni F, et al: Dopaminergic receptor activity in substantia nigra in the mechanisms of autoregulation of striatal dopamine release. Adv Biochem Psychopharmacol 19:363-71, 1978  
ADENYL CYCLASE, metabolism/ ANIMAL/ APOMORPHINE, pharmacodynamics/ CORPUS STRIATUM, drug effects/ \*CORPUS STRIATUM, metabolism/ \*DOPAMINE, metabolism/ GABA, metabolism/ HALOPERIDOL, pharmacodynamics/ RATS/ RECEPTORS, DOPAMINE, drug effects/ \*RECEPTORS, DOPAMINE, physiology/ \*SUBSTANTIA NIGRA, physiology
1485. Gross I, Smith GJ, Maniscalco WM, et al: An organ culture model for study of biochemical development of fetal rat lung. J Appl Physiol 45(3):355-62, Sep 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CARBON DIOXIDE, metabolism/ CHOLINE, metabolism/ GLUCOSE, metabolism/ \*LUNG, embryology/ LUNG, metabolism/ MODELS, BIOLOGICAL/ \*ORGAN CULTURE, methods/ PHOSPHATIDYLCHOLINES, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1486. Gross MD, Freitas JE, Silver TM: Documentation of adrenal cyst by adrenal scanning techniques [letter] J Nucl Med 19(9):1092, Sep 78  
ADOSTEROL, diagnostic use/ \*ADRENAL GLAND DISEASES, radionuclide imaging/ CASE REPORT/ \*CYSTS, radionuclide imaging/ HUMAN/ MALE/ MIDDLE AGE
1487. Grossman SP, Dacey D, Halaris AE, et al: Aphagia and adipsia after preferential destruction of nerve cell bodies in hypothalamus. Science 202(4367):537-9, 3 Nov 78

# AUTHOR SECTION

- ANIMAL/ DRINKING BEHAVIOR, drug effects/  
\*DRINKING BEHAVIOR, physiology/ FEEDING  
BEHAVIOR, drug effects/ \*FEEDING BEHAVIOR,  
physiology/ HYPOTHALAMUS, cytology/  
HYPOTHALAMUS, drug effects/  
\*HYPOTHALAMUS, physiology/ KAINIC ACID,  
pharmacodynamics/ MALE/ MOTOR ACTIVITY,  
drug effects/ RATS/ THALAMIC NUCLEI, drug  
effects/ UNITED STATES GOV'T SUPPORTED,  
P.H.S.
1488. Grotjan HE Jr, Steinberger E: On the relative biological and immunoreactive potencies of luteinizing hormone in the oestradiol benzoate-treated male rat.  
Acta Endocrinol (Copenh) 89(3):538-50, Nov 78  
ANIMAL/ BIOLOGICAL ASSAY/ \*ESTRADIOL,  
pharmacodynamics/ FSH, metabolism/  
GONADOTROPINS, CHORIONIC, metabolism/ LH,  
immunology/ \*LH, metabolism/ LH, secretion/ MALE/  
ORGAN WEIGHT, drug effects/ PITUITARY  
GLAND, ANTERIOR, drug effects/ PITUITARY  
GLAND, ANTERIOR, metabolism/ PROLACTIN,  
metabolism/ PROSTATE, drug effects/  
RADIOIMMUNOASSAY/ RATS/ SEMINAL  
VESICLES, drug effects/ TESTIS, drug effects/  
TESTOSTERONE, biosynthesis/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
1489. Grub R, Heni N, Baumeister L: Aseptische Hüftkopfnnekrosen bei Lymphogranulomatose und chronisch-myeloischer Leukämie unter intermittierender Steroid- und Cytostatica-Therapie. Radiologe 18(10):401-7, Oct 78 (Eng. Abstr.) (Ger)  
ADULT/ \*ANTINEOPLASTIC AGENTS, adverse effects/ ANTINEOPLASTIC AGENTS, therapeutic use/ ENGLISH ABSTRACT/ \*FEMUR HEAD NECROSIS, chemically induced/ FEMUR HEAD NECROSIS, radiography/ FEMUR HEAD NECROSIS, therapy/ \*HODGKIN'S DISEASE, drug therapy/ HUMAN/ HUMERUS/ \*LEUKEMIA, MYELOCYTIC, drug therapy/ MALE/ OSTEONECROSIS, chemically induced/ \*PREDNISON, adverse effects/ PREDNISON, therapeutic use
1490. Gruen PG, Sachar EJ, Altman N, et al: Relation of plasma prolactin to clinical response in schizophrenic patients. Arch Gen Psychiatry 35(10):1222-7, Oct 78  
ADULT/ BUTAPERAZINE, administration & dosage/ \*BUTAPERAZINE, therapeutic use/ CLINICAL RESEARCH/ \*DIBENZOXAZEPINES, therapeutic use/ DOPAMINE, antagonists & inhibitors/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ LOXAPINE, administration & dosage/ \*LOXAPINE, therapeutic use/ MALE/ \*PROLACTIN, blood/ PSYCHIATRIC STATUS RATING SCALES/ \*SCHIZOPHRENIA, drug therapy/ SCHIZOPHRENIC PSYCHOLOGY/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1491. Grunnet I, Knudsen J: Molecular weight and subunit size of rabbit mammary-gland fatty acid synthetase. Biochem J 173(3):929-33, 1 Sep 78  
ANIMAL/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ CHEMISTRY/ CHROMATOGRAPHY, AGAROSE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ \*FATTY ACID SYNTHETASE COMPLEX/ FEMALE/ GOATS/ LACTATION/ \*MAMMAE, enzymology/ MOLECULAR WEIGHT/ PREGNANCY/ RABBITS/ RATS
1492. Gruss JS, Matthews DN: Median cerebrofacial dysgenesis: the syndrome of median facial defects with hypotelorism. Cleft Palate J 15(3):275-81, Jul 78  
CASE REPORT/ \*CLEFT LIP, complications/ \*CLEFT PALATE, complications/ \*CRANIOFACIAL DYSOSTOSIS, complications/ DIABETES INSIPIDUS, complications/ \*FACE, abnormalities/ FEMALE/ HUMAN/ \*HYPERTELORISM, complications/ INFANT/ MALE/ MICROCEPHALY, complications/ PALATE, SOFT/ PROGNOSIS/ SYNDROME
1493. Gruszecka M: Immunoglobuliny A, M i G w surowicy krwi u chorych na dychawicę oskrzelową leczonych acetonidem triamcinolonu. Roczn Akad Med Białymstoku 22:253-70, 1977 (Eng. Abstr.) (Pol)  
ADOLESCENCE/ ADULT/ ASTHMA, drug therapy/ \*ASTHMA, immunology/ ENGLISH
- ABSTRACT/ FEMALE/ HUMAN/ IGA, analysis/ IGG, analysis/ IGM, analysis/  
\*IMMUNOGLOBULINS, analysis/ MALE/ MID  
AGE/ \*TRIAMCINOLONE ACETONIDE,  
pharmacodynamics/ TRIAMCINOLONE  
ACETONIDE, therapeutic use
1494. Grutsch JF, Robertson A: The cAMP signal from Dictyostelium discoideum amoebae. Dev Biol 66(2):28 Oct 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ \*CHEMOTAXIS/  
DICTYOSTELIUM, drug effects/  
DICTYOSTELIUM, enzymology/  
\*DICTYOSTELIUM, physiology/  
PHOSPHODIESTERASES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1495. Gryglewski RJ, Korbut R, Ocetkiewicz A, et al: Lungs generator of prostacyclin—hypothesis on physiologic significance. Naunyn Schmiedeberg Arch Pharmacol 304(1):45-50, 24 Aug 78  
ANIMAL/ ARACHIDONIC ACIDS, metabolism/ ASPIRIN, pharmacodynamics/ CATS/ GUINEA PIGS/ LUNG, drug effects/ \*LUNG, metabolism/ MALE/ PLATELET AGGREGATION, drug effects/ POSITIVE PRESSURE RESPIRATION/  
\*PROSTAGLANDINS X, biosynthesis/  
PROSTAGLANDINS X, blood/  
\*PROSTAGLANDINS, biosynthesis/ RATS/  
THROMBOXANE A2, metabolism
1496. Gryglewski RJ, Szczeklik A, Nizankowski R: Anti-plasmin action of intravenous infusion of prostacyclin in man. Thromb Res 13(2):153-63, Aug 78  
ADULT/ \*BLOOD PLATELETS, drug effects/  
BLOOD PRESSURE, drug effects/  
DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ INFUSIONS, PARENTERAL/ MIDDLE AGE/ PLATELET AGGREGATION effects/ PROSTAGLANDINS X, adverse effects/ \*PROSTAGLANDINS X, pharmacodynamics/  
\*PROSTAGLANDINS, pharmacodynamics/  
PROTHROMBIN TIME
1497. Guehhait RB, Grau JE Jr: Biosynthesis of S-adenosyl-L-methionine in the rat pineal gland. J Neurochem 31(4):921-5, Oct 78  
ACETYLSEROTONIN METHYLTRANSFERASE, metabolism/ ANIMAL/ MALE/ METHIONIN ADENOSYLTRANSFERASE, metabolism/ \*PI  
BODY, metabolism/ RATS/  
\*S-ADENOSYLMETHIONINE, biosynthesis/  
TISSUE DISTRIBUTION/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
1498. Gudelsky GA, Annunziato L, Moore KE: Localization of the haloperidol-induced, prolactin-mediated inhibition of dopamine turnover in the median eminence: studies with complete hypothalamic deafferentations. J Neural Transm 42(3):181-92, 1978  
ANIMAL/ \*DOPAMINE, metabolism/  
\*HALOPERIDOL, pharmacodynamics/  
\*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ \*HYPOTHALAMUS, physiology/  
MALE/ \*MEDIAN EMINENCE, metabolism/  
METHYLTYROSINES, pharmacodynamics/  
NEURAL PATHWAYS, physiology/  
NOREPINEPHRINE, metabolism/ \*PROLACTIN, blood/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1499. Gudiol T, Rodríguez Farré E, Valdecasas FG: Acción de la captación y el almacenamiento de la noradrenalina por el conducto deferente aislado de rata. Arch Farmacol Toxicol 4(1):8-9, Apr 78  
ANIMAL/ COMPARATIVE STUDY/ IN VIVO/ MALE/ \*NOREPINEPHRINE, metabolism/ STIMULATION, CHEMICAL/ \*THYROTROPIN-RELEASING HORMONE, pharmacodynamics/ DEFERENS, drug effects
1500. Guermani P, Ferrando U, Dezan A, et al: La fleboangioplastia intraoperatoria nel varicocele nei casi di sterilità maschile. Minerva Urol 30(2):97-102, Apr-Jun 78  
HUMAN/ MALE/ \*PHLEBOGRAPHY/  
\*STERILITY, MALE, etiology/ \*TESTIS, blood supply/ VARICOCELE, complications/  
VARICOCELE, radiography/ \*VARICOCELECTOMY, surgery



# AUTHOR SECTION

501. Gugliantini P, Scapaticci A: Il nanismo mesomelico. Forma conclamata in bambina nata da padre con discondrosteosi e da madre con deformità di Madelung. Radiol Med (Torino) 64(4):433-44, Apr 78 (Ita)  
ADULT/ CASE REPORT/ CONSANGUINITY/  
\*DWARFISM, familial & genetic/  
\*DYSCHONDROPLASIA, familial & genetic/  
\*ECTROMELIA, familial & genetic/ FEMALE/  
HOMOZYGOTE/ HUMAN/ INFANT/ INFANT,  
NEWBORN/ MALE/ SYNDROME
502. Guideri G, Green M, Lehr D: Potentiation of isoproterenol cardiotoxicity by corticoids. Res Commun Chem Pathol Pharmacol 21(2):197-212, Aug 78  
ANIMAL/ \*ARRHYTHMIA, chemically induced/  
\*DESOXYCORTICOSTERONE, pharmacodynamics/  
DRUG SYNERGISM/ \*ISOPROTERENOL,  
pharmacodynamics/ ISOPROTERENOL, toxicity/  
LETHAL DOSE 50/ MALE/ \*PREDNISONE,  
pharmacodynamics/ RATS/ TIME FACTORS
503. Guidotti G: The structure of intrinsic membrane proteins. J Supramol Struct 7(3-4):489-97, 1977  
BIOLOGICAL TRANSPORT, ACTIVE/  
CHEMISTRY/ ENERGY METABOLISM/  
ERYTHROCYTE MEMBRANE, analysis/  
ERYTHROCYTE MEMBRANE, metabolism/  
HUMAN/ \*MEMBRANE PROTEINS/ MEMBRANE  
PROTEINS, metabolism/ MEMBRANES, analysis/  
PEPTIDES/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
504. Guillehaud J, Bonnar J: Longer though lighter menstrual and intermenstrual bleeding with copper as compared to inert intrauterine devices. Br J Obstet Gynaecol 85(9):707-12, Sep 78  
COMPARATIVE STUDY/ CONTRACEPTIVES,  
ORAL/ FEMALE/ HUMAN/ \*INTRAUTERINE  
DEVICES/ \*INTRAUTERINE DEVICES,  
COPPER/ \*MENSTRUATION/ RANDOM  
ALLOCATION/ TIME FACTORS
505. Guillemin R, Ling N, Lazarus L, et al: The endorphins, novel peptides of brain and hypophysial origin, with opiate-like activity: biochemical and biologic studies. Ann NY Acad Sci 297:131-57, 28 Oct 77  
ANIMAL/ \*BEHAVIOR, ANIMAL, drug effects/  
BRAIN CHEMISTRY/ \*BRAIN, drug effects/  
CATTLE/ COMPARATIVE STUDY/  
DOSE-RESPONSE RELATIONSHIP, DRUG/  
ENDORPHINS, isolation & purification/  
\*ENDORPHINS, pharmacodynamics/  
IMMUNOCHEMISTRY/ LIPOTROPIN,  
pharmacodynamics/ PITUITARY HORMONES,  
metabolism/ RATS/ SHEEP/ SWINE
506. Guillemin R: Peptides in the brain: the new endocrinology of the neuron. Science 202(4366):390-402, 27 Oct 78 (119 ref.)  
ANIMAL/ \*ENDORPHINS, history/ ENDORPHINS,  
isolation & purification/ ENDORPHINS,  
pharmacodynamics/ HISTORY OF MEDICINE, 20TH  
CENT./ \*HYPOTHALAMIC HORMONES, history/  
HYPOTHALAMIC HORMONES, pharmacodynamics/  
\*HYPOTHALAMO-HYPOPHYSEAL SYSTEM,  
physiology/ LH-FSH RELEASING HORMONE,  
isolation & purification/ NEURAL TRANSMISSION/  
\*NEUROSECRETION/ REVIEW/ SHEEP/  
SOMATOTROPIN RELEASING HORMONE,  
isolation & purification/ SPECIES SPECIFICITY/  
STRUCTURE-ACTIVITY RELATIONSHIP/  
THYROTROPIN RELEASING HORMONE, isolation  
& purification/ THYROTROPIN RELEASING  
HORMONE, physiology
507. Gulianskii LN: Vlianie gormonov na kletochnyi i gumoral'nyi immunitet pri beremennosti. Akush Ginekol (Mosk) (9):1-5, Sep 78 (47 ref.) (Rus)  
ANIMAL/ ANTIBODY FORMATION, drug effects/  
ANTIGENIC DETERMINANTS/ ESTROGENS,  
immunology/ FEMALE/ FETAL VIABILITY, drug  
effects/ GONADOTROPINS, CHORIONIC,  
immunology/ \*HORMONES, immunology/ HUMAN/  
IMMUNE TOLERANCE, drug effects/ \*IMMUNITY,  
drug effects/ \*IMMUNITY, CELLULAR, drug effects/  
IMMUNIZATION/ PLACENTAL LACTOGEN,  
immunology/ \*PREGNANCY, drug effects/  
PROGESTERONE, immunology/ REVIEW/  
T-LYMPHOCYTES, immunology/  
TRANSPLANTATION IMMUNOLOGY, drug  
effects/ TRANSPLANTATION, ALLOGENEIC
1508. Gul'iants ES, Siziakina LP, Gorokhova NM, et al: Osnovnye svoistva neirosekretnykh kletok gipotalamusa. Soobshchenie II. Gistoënzimologiya energeticheskogo obmena. Zh Eksp Klin Med (4):31-9, 1978 (Eng. Abstr.) (Rus)  
ANIMAL/ \*ENERGY METABOLISM/ ENGLISH  
ABSTRACT/ ENZYME ACTIVATION/ ENZYME  
REPRESSION/ HYPOTHALAMO-HYPOPHYSEAL  
SYSTEM, cytology/  
HYPOTHALAMO-HYPOPHYSEAL SYSTEM,  
enzymology/ HYPOTHALAMUS, cytology/  
\*HYPOTHALAMUS, enzymology/ MALE/  
NEUROSECRETORY SYSTEMS, cytology/  
\*NEUROSECRETORY SYSTEMS, enzymology/  
OXIDOREDUCTASES, metabolism/ RATS
1509. Gulko CS, Butherus C: Toward better patient teaching. Part III. J Pract Nurs 28(9):33-4, Sep 78  
CONTRACEPTIVES, ORAL/ DIABETES  
MELLITUS, nursing/ DRUG THERAPY/ HUMAN/  
NURSING CARE/ \*PATIENTS, education/  
\*TEACHING, standards
1510. Gumaa SA, Mohamed FH, Mahgoub ES, et al: Mycetomas in goats. Sabouraudia 16(3):217-23, Sep 78  
ACTINOMYCETALES, isolation & purification/  
ANIMAL/ BONE AND BONES, pathology/ CASE  
REPORT/ DISEASE MODELS, ANIMAL/  
FEMALE/ \*GOATS/ HINDLIMB/  
MADUROMYCOSIS, microbiology/  
MADUROMYCOSIS, pathology/  
\*MADUROMYCOSIS, veterinary/ SCAPULA/ SKIN,  
pathology/ SUDAN
1511. Gumulka W, Rowerski W: Enkefalin. Pol Tyg Lek 33(23):931-3, 5 Jun 78 (39 ref.) (Pol)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ANIMAL/ \*ENDORPHINS,  
pharmacodynamics/ ENKEPHALINS, antagonists &  
inhibitors/ \*ENKEPHALINS, pharmacodynamics/  
ENKEPHALINS, physiology/ HUMAN/  
NALOXONE, pharmacodynamics/ NEURAL  
TRANSMISSION/ RECEPTORS, NARCOTIC,  
physiology/ REVIEW/ SPINAL CORD, cytology/  
SPINAL CORD, drug effects
1512. Gumulka W, Rewerski W: Endorfin. Pol Tyg Lek 33(24):969-71, 12 Jun 78 (25 ref.) (Pol)  
AMINO ACID SEQUENCE/ CATATONIA,  
chemically induced/ \*ENDORPHINS/  
ENDORPHINS, cerebrospinal fluid/ ENDORPHINS,  
pharmacodynamics/ ENDORPHINS, physiology/  
HUMAN/ \*PAIN, drug therapy/ PITUITARY  
GLAND, secretion/ RESPIRATORY SYSTEM, drug  
effects/ REVIEW/ SCHIZOPHRENIA, cerebrospinal  
fluid
1513. Gunne LM, Lindström L, Sjöström R, et al: Aktuell psykosforskning kring endorfinerna. Lakartidningen 75(34):2865-7, 23 Aug 78 (Eng. Abstr.) (Swe)  
\*ENDORPHINS, cerebrospinal fluid/ ENGLISH  
ABSTRACT/ FEMALE/ HUMAN/ PREGNANCY/  
\*PSYCHOSES, cerebrospinal fluid/ PSYCHOSES,  
MANIC-DEPRESSIVE, cerebrospinal fluid/  
RESEARCH/ SCHIZOPHRENIA, cerebrospinal fluid
1514. Gunter TE, Rosier RN, Tucker DA, et al: Uptake of calcium and manganese by rat liver submitochondrial particles. Ann NY Acad Sci 307:246-7, 28 Apr 78  
ADENOSINE DIPHOSPHATE, pharmacodynamics/  
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE,  
drug effects/ \*CALCIUM, metabolism/ IN VITRO/  
\*LIVER, metabolism/ \*MANGANESE, metabolism/  
\*MITOCHONDRIA, metabolism/ PHOSPHATES,  
pharmacodynamics/ RATS/  
\*SUBMITOCHONDRIAL PARTICLES, metabolism/  
UNITED STATES GOV'T SUPPORTED
1515. Günther M: Medikamentöse Harnsteinabtreibung, instrumentelle und operative Harnsteintherapie. Z Aertzl Fortbild (Jena) 72(17):814-22, 1 Sep 78 (70 ref.) (Ger)  
ADULT/ ANTIBIOTICS, therapeutic use/  
BACTERIURIA, etiology/ BLADDER CALCULI,  
surgery/ CHILD/ FEMALE/ FIBER OPTICS/  
HUMAN/ HYPERPARATHYROIDISM,  
complications/ KIDNEY, radiography/ KIDNEY,  
transplantation/ MALE/ MIDDLE AGE/  
PARAPLEGIA, complications/ PREGNANCY



# AUTHOR SECTION

- COMPLICATIONS/ PREGNANCY/  
PROSTATECTOMY/ PROSTATIC NEOPLASMS,  
complications/ REVIEW/ URINARY CALCULI,  
etiology/ URINARY CALCULI, surgery/ \*URINARY  
CALCULI, therapy/ URINARY TRACT  
INFECTIONS, etiology
1516. Gupta A, Gupta RM, Gupta IM, et al: Immunosuppressive effects of Amura rohita and prednisolone on experimental allergic orchitis in guinea pigs. *Indian J Exp Biol* 16(7):758-61, Jul 78  
ANIMAL/ \*AUTOIMMUNE DISEASES, prevention & control/ GUINEA PIGS/ MALE/ \*ORCHITIS, prevention & control/ \*PLANTS, MEDICINAL/ \*PREDNISOLONE, therapeutic use
1517. Gupta US: Studies on the proteins of *Poecilocherus pictus*. II--changes taking place in the haemolymph protein during maturation of female. *Biochem Exp Biol* 13(2):159-66, 1977  
\*BLOOD PROTEINS, metabolism/ CASTRATION/ \*COLEOPTERA, physiology/ COMPARATIVE STUDY/ FEMALE/ \*HEMOLYMPH, physiology/ OVARY, physiology/ SEX MATURATION/ VITELLOGENIN, metabolism
1518. Guraya SS: Histochemical observations on the guinea pig ovary during pregnancy and lactation. *Arch Ital Anat Embriol* 82(3):193-232, Jul-Sep 77  
ANIMAL/ CHOLESTEROL, metabolism/ CORPUS LUTEUM, metabolism/ EPITHELIUM, metabolism/ FEMALE/ GUINEA PIGS/ \*LACTATION/ \*LIPIDS, metabolism/ LIPOPROTEINS, metabolism/ \*OVARY, metabolism/ PHOSPHOLIPIDS, metabolism/ PREGNANCY/ \*PREGNANCY, ANIMAL/ TRIGLYCERIDES, metabolism
1519. Gustafsson JA, Ekman P, Snochowski M, et al: Correlation between clinical response to hormone therapy and steroid receptor content in prostatic cancer. *Cancer Res* 38(11 Pt 2):4345-8, Nov 78  
AGED/ \*ESTROGENS, SYNTHETIC, therapeutic use/ FALSE NEGATIVE REACTIONS/ HUMAN/ MALE/ NEOPLASMS, HORMONE-DEPENDENT, analysis/ NEOPLASMS, HORMONE-DEPENDENT, diagnosis/ \*NEOPLASMS, HORMONE-DEPENDENT, drug therapy/ PROSTATIC NEOPLASMS, analysis/ PROSTATIC NEOPLASMS, diagnosis/ \*PROSTATIC NEOPLASMS, drug therapy/ \*RECEPTORS, ANDROGEN, analysis/ \*RECEPTORS, STEROID, analysis/ REMISSION
1520. Gustafsson JA, Gustafsson SA, Nordenskjoeld B, et al: Estradiol receptor analysis in human breast cancer tissue by isoelectric focusing in polyacrylamide gel. *Cancer Res* 38(11 Pt 2):4225-8, Nov 78  
\*BREAST NEOPLASMS, analysis/ CENTRIFUGATION, DENSITY GRADIENT/ COMPARATIVE STUDY/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ ESTRADIOL/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ ISOELECTRIC FOCUSING/ \*NEOPLASMS, HORMONE-DEPENDENT, analysis/ \*RECEPTORS, ESTROGEN, analysis/ TRYPSIN
1521. Gustafsson JA, Wrange O: Receptorfarmakologi (6): Hormonreceptorer och prediktiva test inom tumörterapi. *Lakartidningen* 75(44):4038-9, 1 Nov 78 (Eng. Abstr.) (Swe)  
BREAST NEOPLASMS, therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ \*NEOPLASMS, therapy/ PROSTATIC NEOPLASMS, therapy/ \*RECEPTORS, HORMONE/ RECEPTORS, HORMONE, metabolism/ RECEPTORS, STEROID, metabolism
1522. Gutcher GR, Chesney RW: Iatrogenic rickets as a complication of a total parenteral nutrition program: the importance of providing calcium and vitamin D in the alimentation mixture. *Clin Pediatr (Phila)* 17(11):817-9, Nov 78  
CALCIUM, blood/ CASE REPORT/ HUMAN/ HYDROXYCHOLECALCIFEROLS, blood/ INFANT/ \*PARENTERAL FEEDING, adverse effects/ \*PARENTERAL HYPERALIMENTATION, adverse effects/ RICKETS, blood/ \*RICKETS, etiology/ VITAMIN D, blood
1523. Guttman RD, Morehouse DD, Meakins JL, et al: Donor pretreatment in an unselected series of cadaver renal allografts. *Kidney Int [Suppl]* (8):S99-102, Jun 78
- ADOLESCENCE/ ADULT/ CADAVER/  
CYCLOPHOSPHAMIDE, administration & dosage  
\*CYCLOPHOSPHAMIDE, pharmacodynamics/  
FEMALE/ GRAFT REJECTION, drug effects/  
\*GRAFT SURVIVAL, drug effects/ HUMAN/  
KIDNEY DISEASES, surgery/ KIDNEY, drug effects/  
\*KIDNEY, transplantation/ MALE/  
METHYLPREDNISOLONE, administration & dosage  
\*METHYLPREDNISOLONE, pharmacodynamics/  
MIDDLE AGE/ \*TISSUE DONORS/  
TRANSPLANTATION, ALLOGENEIC
1524. Guyaux M, Schmitt H, Kram R: Changes in adenylate cyclase activity during erythroid differentiation of Friend erythroleukemic cells [proceedings]  
*Arch Int Physiol Biochim* 86(2):428-9, May 78  
ACETAMIDES, pharmacodynamics/ \*ADENYLATE CYCLASE, biosynthesis/ BUTYRATES, pharmacodynamics/ CELL DIFFERENTIATION/ CELL LINE/ CELL MEMBRANE, enzymology/ DIAMINES, pharmacodynamics/ DIMETHYL SULFOXIDE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ \*ERYTHROLEUKEMIA, enzymology/ \*FRIEND VIRUS
1525. Guzek JW, Swiderska Z, Motylewska A: The adrenergic influences on the hypothalamic and neurohypophyseal oxytocin activity in long-term dehydrated male white rats. *Acta Physiol Pol* 29(3):221-9, May-Jun 78  
\*AMPHETAMINE, pharmacodynamics/ ANIMAL/ COMPARATIVE STUDY/ \*DEHYDRATION, metabolism/ HYPOTHALAMUS, drug effects/ \*HYPOTHALAMUS, metabolism/ MALE/ \*OXYTOCIN, biosynthesis/ \*PHENOXYBENZAMINE, pharmacodynamics/ PITUITARY GLAND, POSTERIOR, drug effects/ PITUITARY GLAND, POSTERIOR, metabolism/ RATS/ TIME FACTORS
1526. Guzzo J, Cox M, Kelley AB, et al: Tetracycline-induced inhibition of Na<sup>+</sup> transport in the toad urinary bladder. *Am J Physiol* 235(4):F359-66, Oct 78  
ANIMAL/ BIOLOGICAL TRANSPORT, ACTING/ drug effects/ \*BLADDER, metabolism/ BUFO MARINUS/ DEMETHYLCHLORTETRACYCLINE, pharmacodynamics/ FEMALE/ MINOCYCLINE, pharmacodynamics/ OXYTETRACYCLINE, pharmacodynamics/ REGRESSION ANALYSIS/ \*SODIUM, metabolism/ \*TETRACYCLINES, pharmacodynamics/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOPRESSIN, pharmacodynamics
1527. Gwazdauskas FC, Gross WB, Bibb TL, et al: Antibody and plasma glucocorticoid concentrations near weaning and heifer calves. *Can Vet J* 19(6):150-4, Jun 78  
ANIMAL/ \*ANTIBODIES, analysis/ \*CATTLE, immunology/ CATTLE, physiology/ FEMALE/ \*GLUCOCORTICIDS, blood/ MALE/ \*WEANING
1528. Gwynne JT, Hess B: Binding and degradation of human HDL by rat adrenocortical cells. *Metabolism* 27(11):1593-600, Nov 78  
ADRENAL CORTEX, cytology/ \*ADRENAL CORTEX, metabolism/ ANIMAL/ COMPARATIVE STUDY/ HUMAN/ IODINE RADIOISOTOPES/ \*LIPOPROTEINS, HDL, metabolism/ LIPOPROTEINS, LDL, metabolism/ PROTEIN BINDING/ RATS/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1529. Gyarmati J, Barabanova I, Gyarmati J Jr: Secondary alterations of patients with medullary sponge kidney. *Radiol Diagn (Berl)* 19(3):361-8, Jun 78 (Eng. Abstr.)  
ENGLISH ABSTRACT/ HAND, radiography/ HUMAN/ \*KIDNEY, SPONGE, complications/ \*RENAL OSTEODYSTROPHY, etiology
1530. Gyles CL, Zigler M: The effect of adsorbant and anti-inflammatory drugs on secretion in ligated segment of pig intestine infected with *Escherichia coli*. *Can J Comp Med* 42(3):260-8, Jul 78  
ANIMAL/ \*ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ \*ANTIDIARRHEALS, pharmacodynamics/ ASPIRIN, pharmacodynamics/ BISMUTH, pharmacodynamics/ ENTEROTOXIN, toxicity/ \*ESCHERICHIA COLI INFECTIONS, physiopathology/ \*ESCHERICHIA COLI INFECTIONS, veterinary/ \*ESCHERICHIA COLI, drug effects/ \*INTESTINAL SECRETIONS, c



# AUTHOR SECTION

- effects/ JEJUNUM, drug effects/ \*JEJUNUM, physiopathology/ KAOLIN, pharmacodynamics/ LIGATION/ LINCOMYCIN, pharmacodynamics/ METHYLPREDNISOLONE, pharmacodynamics/ PECTINS, pharmacodynamics/ POLYMYXIN B, pharmacodynamics/ SALICYLATES, pharmacodynamics/ \*SWINE DISEASES, physiopathology/ SWINE
1531. Gylfe E: Association between 5-hydroxytryptamine release and insulin secretion. *J Endocrinol* 78(2):239-48, Aug 78  
ANIMAL/ GLUCOSE, pharmacodynamics/ HYDROXYTRYPTOPHAN, secretion/ IN VITRO/ \*INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ \*ISLANDS OF LANGERHANS, secretion/ MICE/ SECRETORY RATE, drug effects/ \*SEROTONIN, secretion/ STARVATION
1532. Györik J, Szöke B: A diagnosztikus ultrahang értéke a mola hydatidosa felismerésében. *Orv Hetil* 119(28):1723-4, 9 Jun 78 (Hun)  
ABORTION, INDUCED/ ADULT/ CASE REPORT/ FEMALE/ HUMAN/ \*HYDATIDIFORM MOLE, diagnosis/ HYDATIDIFORM MOLE, surgery/ PARITY/ PREGNANCY/ \*ULTRASONICS, diagnostic use
- ## H
1533. Habener JF, Kronenberg HM: Parathyroid hormone biosynthesis: structure and function of biosynthetic precursors. *Fed Proc* 37(12):2561-6, Oct 78  
AMINO ACID SEQUENCE/ AMINOPEPTIDASES, metabolism/ ANIMAL/ CALCIUM, pharmacodynamics/ CATTLE/ CYTOPLASMIC GRANULES, metabolism/ ENDOPLASMIC RETICULUM, metabolism/ \*PARATHYROID GLANDS, metabolism/ \*PARATHYROID HORMONE, biosynthesis/ PARATHYROID HORMONE, secretion/ PEPTIDE HYDROLASES, metabolism/ POLYRIBOSOMES, metabolism/ \*PROTEIN PRECURSORS, biosynthesis/ PROTEIN PRECURSORS, secretion
1534. Haber E, Sancho J, Re R, et al: The role of the renin-angiotensin-aldosterone system in cardiovascular homeostasis in normal man. *Clin Sci Mol Med* 48 Suppl 2:49s-52s, Jun 75  
ADULT/ \*ALDOSTERONE, blood/ \*ANGIOTENSIN II, physiology/ \*BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/ DIET/ FEMALE/ FUROSEMIDE, pharmacodynamics/ HEART RATE/ HUMAN/ MALE/ \*POSTURE/ \*RENIN, physiology/ SODIUM, administration & dosage/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1535. Haberly LB, Price JL: Association and commissural fiber systems of the olfactory cortex of the rat. II. Systems originating in the olfactory peduncle. *J Comp Neurol* 181(4):781-807, 15 Oct 78  
ANIMAL/ BRAIN MAPPING/ \*CENTRAL NERVOUS SYSTEM, anatomy & histology/ HYPOTHALAMUS, anatomy & histology/ \*LIMBIC SYSTEM, anatomy & histology/ LIMBIC SYSTEM, physiology/ OLFACTORY BULB, anatomy & histology/ \*OLFACTORY PATHWAYS, anatomy & histology/ OLFACTORY PATHWAYS, physiology/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1536. Habrioux G, Desfosses B, Condom R, et al: Simultaneous radioimmunoassay of 5alpha-androstane-3alpha, 17beta-diol and 5alpha-androstane-3beta, 17beta-diol unconjugated and conjugated in human serum. *Steroids* 32(1):61-71, Jul-Aug 78  
ADOLESCENCE/ ADULT/ \*ANDROSTANEDIOL, blood/ \*ANDROSTANES, blood/ ANTIBODY SPECIFICITY/ CHROMATOGRAPHY, GEL/ CHROMATOGRAPHY, THIN LAYER/ FEMALE/ HIRUTISM, blood/ HUMAN/ HYDROLYSIS/ METHODS/ PREGNANCY/ RADIOIMMUNOASSAY/ STEREOISOMERS
1537. Hackenthal E, Bauknecht H, Oster P: The response of the renin-angiotensin systems in rats to the injection of angiotensin II antibodies. *Clin Sci Mol Med* 48 Suppl 2:27s-30s, Jun 75
- ANGIOTENSIN II, blood/ \*ANGIOTENSIN II, immunology/ ANIMAL/ \*ANTIBODIES/ ANTIBODIES, isolation & purification/ CHROMATOGRAPHY, AFFINITY/ INJECTIONS, INTRAVENOUS/ KINETICS/ MALE/ RABBITS/ RATS/ \*RENIN, blood
1538. Hadden JW: The macrophage. *Clin Bull* 7(3):117-20, 1977  
ANIMAL/ ANTIBODIES, analysis/ CELL DIVISION/ CELL TRANSFORMATION, NEOPLASTIC/ GUINEA PIGS/ HUMAN/ IMMUNOSUPPRESSION/ \*MACROPHAGES/ MACROPHAGES, immunology/ MACROPHAGES, metabolism/ MACROPHAGES, physiology/ MACROPHAGES, ultrastructure/ MICE/ NEOPLASMS, immunology/ PROSTAGLANDINS, metabolism
1539. Hagbard L, Sorbe B: Preliminära erfarenheter av TPA (Tissue Polypeptide Antigen) vid ovarialcancer. *Lakartidningen* 75(39):3433-5, 27 Sep 78 (Eng. Abstr.) (Swe)  
ADULT/ \*ANTIGENS, NEOPLASM/ ANTIGENS, NEOPLASM, analysis/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MIDDLE AGE/ NEOPLASM RECURRENCE, LOCAL/ \*OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, therapy/ \*PEPTIDES/ PEPTIDES, analysis/ PROGNOSIS
1540. Hageman GR, Urthaler F, James TN: Neural pathways of a cardiogenic hypertensive chemoreflex. *Am J Physiol* 235(3):H345-9, Sep 78  
AFFERENT PATHWAYS, physiology/ ANIMAL/ \*AUTONOMIC NERVOUS SYSTEM, physiology/ CHEMORECEPTORS, physiology/ CYPROHEPTADINE, pharmacodynamics/ DOGS/ \*HEART, innervation/ \*REFLEX/ SEROTONIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1541. Hahn E: Das HLA-System und innere Erkrankungen. *Internist (Berlin)* 19(8):491-500, Aug 78 (Ger)  
ENDOCRINE DISEASES, familial & genetic/ ENTERITIS, REGIONAL, familial & genetic/ GASTROINTESTINAL DISEASES, familial & genetic/ GENE FREQUENCY/ GENETIC CODE/ GENETIC COUNSELING/ GENETICS, POPULATION/ HAPLOIDY/ \*HEREDITARY DISEASES, familial & genetic/ HISTOCOMPATIBILITY ANTIGENS, analysis/ HOMOZYGOTE/ HUMAN/ \*HL-A ANTIGENS/ HL-A ANTIGENS, genetics/ LIVER DISEASES, familial & genetic/ LYMPHOCYTE TRANSFORMATION/ MAJOR HISTOCOMPATIBILITY COMPLEX/ RHEUMATISM, familial & genetic/ RISK
1542. Hahn RG, Temkin NR, Savlov ED, et al: Phase II study of vinblastine, methyl-CCNU, and medroxyprogesterone in advanced renal cell cancer. *Cancer Treat Rep* 62(7):1093-5, Jul 78  
\*ADENOCARCINOMA, drug therapy/ CLINICAL RESEARCH/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ HUMAN/ \*KIDNEY NEOPLASMS, drug therapy/ \*MEDROXYPROGESTERONE, administration & dosage/ NEOPLASM METASTASIS/ \*NITROSOUREA COMPOUNDS, administration & dosage/ PROGNOSIS/ \*SEMUSTINE, administration & dosage/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*VINBLASTINE, administration & dosage
1543. Haider S: Experimental and seasonal changes in the pituitary of the Teleost *Heteropneustes fossilis* (Bloch). *Endokrinologie* 72(1):9-16, Apr 78  
ANIMAL/ FISHES/ HISTOCYTOCHEMISTRY/ PARATHYROID GLANDS, physiology/ \*PITUITARY GLAND, physiology/ PITUITARY GLAND, ultrastructure/ SEASONS
1544. Hainer V, Krejčík L, Pelikán J, et al: Meningiom nasedající na eozinofilní adenom u pacienta s akromegalií. *Cas Lek Cesk* 117(27):829-31, 7 Jul 78 (Eng. Abstr.) (Cze)  
ACROMEGALY, complications/ \*ADENOMA, EOSINOPHILIC, complications/ AGED/ CASE REPORT/ ENGLISH ABSTRACT/ HEART ENLARGEMENT, complications/ HEPATOMEGALY, complications/ HUMAN/ MALE/ \*MENINGIOMA, complications/ \*PITUITARY NEOPLASMS, complications/ SELLA TURCICA/ SPLENOMEGALY, complications

# AUTHOR SECTION

1545. Halász N, Ljungdahl A, Hökfelt T: Transmitter histochemistry of the rat olfactory bulb. II. Fluorescence histochemical, autoradiographic and electron microscopic localization of monoamines. *Brain Res* 154(2):253-71, 13 Oct 78  
ANIMAL/ AUTORADIOGRAPHY/ BRAIN MAPPING/ DENERVATION/ HYDROXYDOPAMINE, pharmacodynamics/ LEVODOPA, pharmacodynamics/ MALE/ METHYLDOPAHYDRAZINE, pharmacodynamics/ NERVE FIBERS, metabolism/ NERVE FIBERS, ultrastructure/ \*NEUROHUMORS, metabolism/ NOREPINEPHRINE, metabolism/ OLFACTORY BULB, metabolism/ \*OLFACTORY BULB, ultrastructure/ RATS/ RESERPINE, pharmacodynamics/ SEROTONIN, metabolism
1546. Halawa B, Mazurek W: Wpływ bydłej tyreotropiny 'Ambinon' na poziom w surowicy krwi trójiodotyroniny, tyroksyny i cyklicznego adenozynomonofosforanu. (Pol) *Wiad Lek* 31(12):813-6, 15 Jun 78 (Eng. Abstr.)  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ADOLESCENCE/ ADULT/ ANIMAL/ CATTLE/ ENGLISH ABSTRACT/ HUMAN/ MALE/ THYROID FUNCTION TESTS/ \*THYROTROPIN, pharmacodynamics/ \*THYROXINE, blood/ \*TRIIODOTHYRONINE, blood
1547. Hales CN: Proteolysis and the evolutionary origin of polypeptide hormones. *FEBS Lett* 94(1):10-6, 1 Oct 78  
CYTOPLASMIC GRANULES, metabolism/ \*EVOLUTION/ HORMONES, metabolism/ HORMONES, secretion/ HYDROLYSIS/ LYSOSOMES, metabolism/ MODELS, BIOLOGICAL/ PHAGOCYTOSIS/ PINOCYTOSIS/ \*PROTEIN PRECURSORS, metabolism/ PROTEIN PRECURSORS, secretion
1548. Halfer C: Karyotypic evolution in an originally XY cell line of *Drosophila melanogaster*: a case of heterochromatin increase in vitro. *Chromosoma* 68(2):149-63, 28 Aug 78  
\*CELL LINE/ DROSOPHILA MELANOGASTER/ \*HETEROCHROMATIN, metabolism/ KARYOTYPING/ \*SEX CHROMOSOMES, ultrastructure/ TIME FACTORS/ VARIATION (GENETICS)
1549. Hall AK, Robinson J: Progesterone, 20alpha-dihydroprogesterone and PGF; interrelated hormonal changes during pseudo-pregnancy in the rat. *Prostaglandins* 15(6):1013-25, Jun 78  
ANIMAL/ DIHYDROPROGESTERONE, blood/ \*DIHYDROPROGESTERONE, metabolism/ FEMALE/ GONADOTROPINS, CHORIONIC/ HYSTERECTOMY/ OVARY, metabolism/ \*PROGESTERONE, analogs & derivatives/ PROGESTERONE, blood/ \*PROGESTERONE, metabolism/ \*PROSTAGLANDINS F, metabolism/ PSEUDOPREGNANCY, chemically induced/ \*PSEUDOPREGNANCY, metabolism/ RATS/ TIME FACTORS/ UTERUS, metabolism
1550. Hall CE, Nasseth D, Hall O: Adrenal-regeneration hypertension in Wistar-Furth rats. *Can J Physiol Pharmacol* 56(4):591-5, Aug 78  
\*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL/ BLOOD PRESSURE/ BODY WEIGHT/ FEMALE/ \*HYPERTENSION, physiopathology/ ORGAN WEIGHT/ RATS/ RATS, INBRED STRAINS/ \*REGENERATION/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1551. Hall MM, Gurchinoff S, Khosla MC, et al: Angiotensin analogs: effect of prostaglandin synthesis inhibitor. *Blood Vessels* 15(5):299-310, 1978  
\*ANGIOTENSIN II, analogs & derivatives/ ANGIOTENSIN II, administration & dosage/ ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ AORTA, THORACIC/ \*ARTERIES, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ INDOMETHACIN, administration & dosage/ INDOMETHACIN, pharmacodynamics/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ PROSTAGLANDIN ANTAGONISTS, administration & dosage/ \*PROSTAGLANDINS, biosynthesis/ RABBITS/ TACHYPHYLAXIS/ 5,8,11,14-EICOSATETRAYNOIC ACID, administration & dosage/ 5,8,11,14-EICOSATETRAYNOIC ACID, pharmacodynamics
1552. Hall RC, Popkin MK, Kirkpatrick B: Tricyclic exacerbat of steroid psychosis. *J Nerv Ment Dis* 166(10):738-78  
ADOLESCENCE/ ADULT/ \*ANTIDEPRESS AGENTS, TRICYCLIC, adverse effects/ ANTIDEPRESSIVE AGENTS, TRICYCLIC, therapeutic use/ CASE REPORT/ DRUG SYNERGISM/ FEMALE/ HUMAN/ MALE/ PSYCHOSES, TOXIC, drug therapy/ \*PSYCHOSES, TOXIC, etiology/ \*STEROIDS, adverse effects/ STEROIDS, therapeutic use
1553. Hall RC, Popkin MK, Devaul RA, et al: Physical illness presenting as psychiatric disease. *Arch Gen Psychiatry* 35(11):1315-20, Nov 78  
ADULT/ CARDIOVASCULAR DISEASES, complications/ CARDIOVASCULAR DISEASES, psychology/ COMMUNICABLE DISEASES, complications/ COMMUNICABLE DISEASES, psychology/ COMMUNITY MENTAL HEALTH CENTERS/ ENDOCRINE DISEASES, complications/ ENDOCRINE DISEASES, psychology/ GASTROINTESTINAL DISEASES, complications/ GASTROINTESTINAL DISEASES, psychology/ HEMATOLOGIC DISEASES, complications/ HEMATOLOGIC DISEASES, psychology/ LUNG DISEASES, complications/ LUNG DISEASES, psychology/ MALE/ MIDDLE AGE/ NEOPLASMS, complications/ NEOPLASMS, psychology/ \*PSYCHOSES, ORGANIC, diagnosis/ PSYCHOSES, ORGANIC, etiology/ PSYCHOSES, ORGANIC, psychology
1554. Hall WC, Bagley LR: Identification of Rickettsia rickettsiae in formalin-fixed, paraffin-embedded tissues by immunofluorescence. *J Clin Microbiol* 8(2):242-5, Aug 78  
ANIMAL/ CHICK EMBRYO/ EPIDIDYMIS, microbiology/ \*FLUORESCENT ANTIBODY TECHNIC/ GUINEA PIGS/ HEART, microbiology/ HISTOLOGICAL TECHNIQUES/ HUMAN/ LUNG, microbiology/ MALE/ MONKEYS/ \*RICKETTSIA, isolation & purification/ \*RICKETTSIA, isolation & purification/ \*RICKETTSIA, isolation & purification/ MOUNTAIN SPOTTED FEVER, microbiology/ TESTIS, microbiology/ YOLK SAC, microbiology
1555. Haller EW, Brimble MJ, Wakerley JB: Phasic discharge of supraoptic neurones recorded from hypothalamic slices. *Exp Brain Res* 33(1):131-4, 15 Sep 78  
ACTION POTENTIALS/ ANIMAL/ ELECTROPHYSIOLOGY/ GLUTAMATES, pharmacodynamics/ \*HYPOTHALAMUS, physiology/ IN VITRO/ MALE/ \*NEURONS, physiology/ STIMULATION, CHEMICAL/ \*SUPRAOPTIC NUCLEUS, physiology
1556. Haller JO, Kassner EG, Staiano S, et al: Ultrasonic diagnosis of gynecologic disorders in children. *Pediatrics* 62(3):378-81, Sep 78  
ADOLESCENCE/ CHILD/ CHILD, PRESENTATION/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ \*GENITAL DISEASES, FEMALE, diagnosis/ HERMAPHRODITISM, diagnosis/ HUMAN/ OVARIAN CYSTS, diagnosis/ OVARIAN CYSTS, diagnosis/ OVARIAN CYSTS, diagnosis/ NEOPLASMS, diagnosis/ PELVIC NEOPLASMS, diagnosis/ PREGNANCY IN ADOLESCENCE/ PREGNANCY/ PUBERTY, PRECOCIOUS, diagnosis/ \*ULTRASONICS, diagnostic use/ VAGINA, abnormalities
1557. Halmi NS: Immunostaining of growth hormone and prolactin in paraffin-embedded and stored or previously stained materials. *J Histochem Cytochem* 26(7):486-95, Jul 78 (ref.)  
ADENOMA, CHROMOPHOBE, diagnosis/ C HUMAN/ IMMUNOENZYME TECHNIQUES/ \*PARAFFIN/ PITUITARY GLAND, pathology/ PITUITARY NEOPLASMS, diagnosis/ PRESERVATION, BIOLOGICAL/ \*PROLACTIN, review/ \*SOMATOTROPIN/ STAINS AND STAINING/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1558. Halmi NS, Moriarty GC: The cells of origin of ACTH. *Ann NY Acad Sci* 297:167-82, 28 Oct 77  
ADENOMA, secretion/ \*CORTICOTROPIN, secretion/ FETUS, analysis/ GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ MSH, analysis/ PITUITARY GLAND, analysis



## AUTHOR SECTION

- effects/ PITUITARY GLAND, embryology/  
PITUITARY GLAND, ANTERIOR, analysis/  
\*PITUITARY GLAND, ANTERIOR, cytology/  
PITUITARY GLAND, ANTERIOR, ultrastructure/  
PITUITARY NEOPLASMS, secretion
9. Halse J, Gordeladze JO: Urinary hydroxyproline excretion in acromegaly. *Acta Endocrinol (Copenh)* 89(3):483-91, Nov 78  
\*ACROMEGALY, urine/ ADULT/ CIRCADIAN RHYTHM/ COLLAGEN, metabolism/  
CREATININE, urine/ FASTING/ FEMALE/  
HUMAN/ \*HYDROXYPROLINE, urine/ MALE/  
MIDDLE AGE/ SOMATOTROPIN, blood
0. Hama H, Iwasaki Y: [Renin-angiotensin-aldosterone system (author's transl)] *Rinsho Byori* 26(6):487-92, Jun 78 (Jpn)  
ADOLESCENCE/ ADULT/ FEMALE/  
FUROSEMIDE, diagnostic use/ HUMAN/  
\*HYPERALDOSTERONISM, diagnosis/ MALE/  
MIDDLE AGE/ \*RENIN, blood
- Hamada N, Peterson RE: Effect of microsomal enzyme inducers on 2,3,7,8-tetrachlorodibenzo-p-dioxin-induced depression in the biliary excretion of ouabain in rats. *Drug Metab Dispos* 6(4):456-64, Jul-Aug 78  
ANIMAL/ BILE, drug effects/ \*BILE, metabolism/  
\*DIOXINS, pharmacodynamics/ DRUG INTERACTIONS/ \*ENZYME INDUCTION, drug effects/ IN VITRO/ LIVER, metabolism/ MALE/  
METHYLCHOLANTHRENE, pharmacodynamics/  
\*MICROSOMES, LIVER, enzymology/ \*OUABAIN, metabolism/ PHENOBARBITAL, pharmacodynamics/  
PREGNENOLONE CARBONITRILE, pharmacodynamics/  
RATS/ SPIRONOLACTONE, pharmacodynamics/  
\*TETRACHLORODIBENZODIOXIN, pharmacodynamics/  
TETRACHLORODIBENZODIOXIN, toxicity/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Hamburger AW, Salmon SE, Kim MB, et al: Direct cloning of human ovarian carcinoma cells in agar. *Cancer Res* 38(10):3438-44, Oct 78  
ADENOCARCINOMA, pathology/ AGAR/  
CARCINOMA, MUCINOUS, pathology/ CELL DIVISION/ CHROMOSOME ABERRATIONS/  
CLONE CELLS, pathology/  
CYSTADENOCARCINOMA, pathology/ DRUG RESISTANCE/ ENDOMETRIOSIS, pathology/  
FEMALE/ HUMAN/ METHODS/ NEOPLASMS, EXPERIMENTAL, pathology/ OVARIAN NEOPLASMS, drug therapy/ OVARIAN NEOPLASMS, familial & genetic/ \*OVARIAN NEOPLASMS, pathology/ PHAGOCYTES, pathology/ PLATINUM DIAMMINODICHLORIDE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Hamet P, Frayssé J, Franks DJ: Cyclic nucleotides and aggregation in platelets of spontaneously hypertensive rats. *Circ Res* 43(4):583-91, Oct 78  
A-23187, pharmacodynamics/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/  
ADENYL CYCLASE, blood/ AGE FACTORS/  
ANIMAL/ BLOOD PLATELETS, enzymology/  
\*BLOOD PLATELETS, metabolism/ BLOOD VESSELS, metabolism/ EPINEPHRINE, pharmacodynamics/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/  
\*HYPERTENSION, blood/ MUSCLE, SMOOTH, metabolism/ \*NUCLEOTIDES, CYCLIC, blood/  
\*PLATELET AGGREGATION/  
PROSTAGLANDINS E, pharmacodynamics/ RATS/  
RATS, INBRED STRAINS
- Hamilton DL, Johnson MR, Forsyth GW, et al: The effect of cholera toxin and heat labile and heat stable *Escherichia coli* enterotoxin on cyclic AMP concentrations in small intestinal mucosa of pig and rabbit. *Can J Comp Med* 42(3):327-31, Jul 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ \*CHOLERA TOXIN, pharmacodynamics/ COMPARATIVE STUDY/  
\*ENTEROTOXINS, pharmacodynamics/  
ESCHERICHIA COLI/ HEAT/ INTESTINAL SECRETIONS, drug effects/ \*JEJUNUM, drug effects/  
JEJUNUM, metabolism/ \*RABBITS, metabolism/  
SWINE, metabolism
1565. Hamilton JA, Ralph P, Moore MA: A macrophage tumor cell line and plasminogen activator. A potential model system for macrophage regulation of enzyme production. *J Exp Med* 148(3):811-6, 1 Sep 78  
\*CELL LINE/ GLUCOCORTICOIDs, pharmacodynamics/ MACROPHAGES, drug effects/  
\*MACROPHAGES, metabolism/ \*PLASMINOGEN ACTIVATORS, metabolism/  
TETRADECANOYLPHORBOL ACETATE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED
1566. Hamilton LA Jr, Gottschalk W, Vidyasagar D, et al: Effects of monitoring high-risk pregnancies and intrapartum FHR monitoring on perinates. *Int J Gynaecol Obstet* 15(6):483-90, 1978  
AMNIOTIC FLUID, analysis/ BIRTH WEIGHT/  
CREATININE, analysis/ DELIVERY/ ESTRIOL, urine/ FEMALE/ FETAL DEATH/ FETAL DISEASES, mortality/ \*FETAL HEART/ \*FETAL MONITORING/ GESTATIONAL AGE/ \*HEART RATE/ HUMAN/ \*INFANT MORTALITY/  
LABOR/ MORTALITY/  
PHOSPHATIDYLCHOLINES, analysis/  
PREGNANCY COMPLICATIONS/ PREGNANCY/  
SPHINGOMYELINS, analysis/ ULTRASONICS, diagnostic use
1567. Hammond GL, Kontturi M, Vihko P, et al: Serum steroids in normal males and patients with prostatic diseases. *Clin Endocrinol (Oxf)* 9(2):113-21, Aug 78  
ADULT/ AGED/ \*AGING/  
ANDROSTENEDIONE, blood/ ANDROSTERONE, blood/ COMPARATIVE STUDY/ ESTRADIOL, blood/ HUMAN/ HYDROXYPROGESTERONES, blood/ MALE/ MIDDLE AGE/ NORMAL VALUES/ PREGNENOLONE, blood/  
PROGESTERONE, blood/ \*PROSTATIC HYPERTROPHY, blood/ \*PROSTATIC NEOPLASMS, blood/ STANOLONE, blood/  
\*STEROIDS, blood/ TESTOSTERONE, blood
1568. Hamon M, Oliveras JL, Bourgoin S, et al: Anatomie des voies sérotoninergiques bulbospinales chez le chat. Leur rôle dans l'analgésie morphinique et électrique. *Ann Anesthesiol Fr* 19(5):319-25, 1978 (Eng. Abstr.) (Fre)  
ANIMAL/ CATS/ EFFERENT PATHWAYS, anatomy & histology/ ELECTROTHERAPY/  
ENGLISH ABSTRACT/ FEMALE/  
INTERNEURONS, metabolism/ MALE/  
\*MEDULLA OBLONGATA, anatomy & histology/  
\*MORPHINE, pharmacodynamics/ NERVE ENDINGS, drug effects/ NERVE ENDINGS, metabolism/ NEURAL TRANSMISSION/  
NEURONS, metabolism/ PAIN, therapy/  
\*SERTONIN, metabolism
1569. Hampshire J, Moraru E, Altszuler N: On the mechanism of hyperglycemia and stimulation of growth hormone secretion by L-dopa. *Pharmacology* 17(3):138-48, 1978  
ANIMAL/ \*BLOOD SUGAR, metabolism/ DOGS/  
GLUCOSE, metabolism/ HYDROCORTISONE, blood/ \*LEVODOPA, pharmacodynamics/ LIVER, metabolism/ METHYLDOPAHYDRAZINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PIMOZIDE, pharmacodynamics/  
PROPRANOLOL, pharmacodynamics/  
\*SOMATOTROPIN, secretion/ STRESS, metabolism/  
TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1570. Handa J, Nakano Y, Handa H: Computed tomography in the differential diagnosis of low-density intracranial lesions. *Surg Neurol* 10(3):179-85, Sep 78  
ASTROCYTOMA, radiography/ BRAIN DISEASES, radiography/ \*BRAIN NEOPLASMS, radiography/  
CRANIOPHARYNGIOMA, radiography/ CYSTS, radiography/ DIAGNOSIS, DIFFERENTIAL/  
EPENDYMOMA, radiography/ EPIDERMAL CYST, radiography/ HUMAN/ \*TOMOGRAPHY, COMPUTERIZED AXIAL
1571. Handa M, Negishi M, Suzuki H, et al: [A case of leukemia obtained complete remission after delivery (author's transl)] *Rinsho Ketsueki* 19(4):351-5, Apr 78 (Eng. Abstr.) (Jpn)  
ACUTE DISEASE/ ADULT/ CASE REPORT/  
CYTARABINE, administration & dosage/  
DAUNOMYCIN, administration & dosage/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*LEUKEMIA, drug therapy/ PREDNISOLONE, administration &

# AUTHOR SECTION

- dosage/ \*PREGNANCY COMPLICATIONS, HEMATOLOGIC, drug therapy/ PREGNANCY/ REMISSION/ VINCRISTINE, administration & dosage
1572. Hankeová A: Prednisolonová Blokáda hypofyzy ve zkouškách účinnosti protražovaných preparátů ACTH u kryš. *Cesk Farm* 27(4):178-81, Jun 78 (Eng. Abstr.) (Cze)  
ANIMAL/ ASCORBIC ACID, metabolism/ \*CORTICOTROPIN/ \*DRUG SCREENING/ ENGLISH ABSTRACT/ MALE/ \*PITUITARY GLAND, drug effects/ \*PREDNISOLONE, pharmacodynamics/ RATS
1573. Hansen M, Hansen HH, Tryding N: Small cell carcinoma of the lung: serum calcitonin and serum histaminase (diamine oxidase) at basal levels and stimulated by pentagastrin. *Acta Med Scand* 204(4):257-61, 1978  
\*CALCITONIN, blood/ CALCITONIN, secretion/ \*CARCINOMA, OAT CELL, blood/ CARCINOMA, OAT CELL, secretion/ \*HISTAMINASE, blood/ HORMONES, ECTOPIC, secretion/ HUMAN/ \*LUNG NEOPLASMS, blood/ LUNG NEOPLASMS, secretion/ \*PENTAGASTRIN, diagnostic use/ STIMULATION, CHEMICAL
1574. Hansen-Leth C, Karle A: Intracardial arteriographic study on vascular changes in amputated rabbits. *Acta Orthop Scand* 49(5):457-63, Oct 78  
AMPUTATION STUMPS/ \*AMPUTATION/ \*ANGIOGRAPHY/ ANIMAL/ \*BONE AND BONES, blood supply/ FEMUR, blood supply/ FEMUR, surgery/ HINDLIMB, blood supply/ \*MUSCLES, blood supply/ MUSCLES, surgery/ PHLEBOGRAPHY/ RABBITS/ VASOCONSTRICTION
1575. Hansson T, Lidman U: Effects of cortisol administration on components of the hepatic microsomal mixed function oxidase system (MFO) of immature rainbow trout (*Salmo gairdnerii* Rich.). *Acta Pharmacol Toxicol* (Copenh) 43(1):6-12, Jul 78  
ANIMAL/ BODY WEIGHT, drug effects/ CYTOCHROME P-450, metabolism/ DRUG IMPLANTS/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, blood/ \*HYDROCORTISONE, pharmacodynamics/ LIVER, drug effects/ MICROSOMES, LIVER, drug effects/ \*MICROSOMES, LIVER, enzymology/ \*MIXED FUNCTION OXIDASES, metabolism/ NADPH CYTOCHROME C REDUCTASE, metabolism/ ORGAN WEIGHT, drug effects/ \*OXIDOREDUCTASES, metabolism/ \*SALMONIDAE, metabolism/ \*TROUT, metabolism
1576. Hara Y, Abe M: [Hyperparathyroidism and pancreatitis] *Nippon Rinsho Suppl*:2228-9, May 78 (Jpn)  
HUMAN/ \*HYPERPARATHYROIDISM, complications/ \*PANCREATITIS, etiology
1577. Haram K, Bakke OM, Johannessen KH, et al: Transplacental passage of diazepam during labor: influence of uterine contractions. *Clin Pharmacol Ther* 24(5):590-9, Nov 78  
ADOLESCENCE/ ADULT/ ANESTHESIA, OBSTETRICAL/ DEALKYLATION/ \*DIAZEPAM, metabolism/ FEMALE/ HUMAN/ INFANT, NEWBORN/ KINETICS/ \*LABOR/ \*MATERNAL-FETAL EXCHANGE/ PLACENTA, metabolism/ PREGNANCY/ TIME FACTORS/ \*UTERINE CONTRACTION
1578. Harbour DA, Blyth WA, Hill TJ: Prostaglandins enhance spread of herpes simplex virus in cell cultures. *J Gen Virol* 41(1):87-95, Oct 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ CELL LINE/ EPINEPHRINE, pharmacodynamics/ \*HERPESVIRUS HOMINIS, drug effects/ HERPESVIRUS HOMINIS, growth & development/ MEFENAMIC ACID, pharmacodynamics/ PLAQUE ASSAY/ POLYAMINES, pharmacodynamics/ \*PROSTAGLANDINS E, pharmacodynamics/ \*PROSTAGLANDINS F, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics
1579. Hardie RA, Hunter AA: Dermatology: psoriasis. *Br J Hosp Med* 20(1):13-23, Jul 78  
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ ANTHRANILIN, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ COAL TAR, therapeutic use/ EPIDERMIS, drug effects/ FICUSIN, therapeutic use/ HUMAN/ METHOTREXATE, therapeutic use/ MITOSIS, drug effects/ \*PSORIASIS, diagnosis/ PSORIASIS, drug therapy/ PSORIASIS, etiology/ ULTRAVIOLET THERAPY
1580. Hardin JG: Occult chronic septic arthritis due to *Mirabilis*. *JAMA* 240(17):1889-90, 20 Oct 78  
ADOLESCENCE/ ADULT/ \*ARTHRITIS, INFECTIOUS, etiology/ ARTHRITIS, JUVENILE/ RHEUMATOID, drug therapy/ CASE REPORT/ CHRONIC DISEASE/ HUMAN/ INJECTION/ INTRA-ARTICULAR/ MALE/ PREDNISOLONE, administration & dosage/ \*PROTEUS INFECTION, complications/ PROTEUS MIRABILIS, isolation/ PURIFICATION/ SYNOVIAL FLUID, microbiology/ TIME FACTORS
1581. Harding JD, Przybyla AE, MacDonald RJ, et al: Effect of dexamethasone and 5-bromodeoxyuridine on the synthesis of amylase mRNA during pancreatic development. *J Biol Chem* 253(20):7531-7, 25 Oct 78  
\*AMYLASES, biosynthesis/ ANIMAL/ \*BROMODEOXYURIDINE, pharmacodynamics/ \*DEXAMETHASONE, pharmacodynamics/ EMBRYO/ KINETICS/ NUCLEIC ACID HYBRIDIZATION/ PANCREAS, drug effects/ PANCREAS, embryology/ \*PANCREAS, enzymology/ RATS/ \*RNA, MESSENGER, biosynthesis/ TRANSCRIPTION, GENETIC/ EFFECTS/ TRANSLATION, GENETIC/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1582. Hardy MH, Bellows CG: The stability of vitamin A in the metaplasia of mouse vibrissa follicles in vitro. *J Invest Dermatol* 71(4):236-41, Oct 78  
ANIMAL/ HAIR, drug effects/ \*HAIR, embryology/ HYDROCORTISONE, pharmacodynamics/ LIVER, embryology/ MICE/ MICE, INBRED STRAIN/ TISSUE CULTURE/ \*VITAMIN A, pharmacodynamics
1583. Harlan DM, Rooke TW, Belloni FL, et al: Effect of indomethacin on coronary vascular response to myocardial oxygen consumption. *Am J Physiol* 235(4):H372-8, Oct 78  
ANIMAL/ ARACHIDONIC ACIDS, pharmacodynamics/ \*CORONARY CIRCULATION, drug effects/ \*CORONARY VESSELS, physiology/ DOGS/ \*INDOMETHACIN, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ \*MYOCARDIUM, metabolism/ \*OXYGEN CONSUMPTION/ PROSTAGLANDINS, biosynthesis/ \*PROSTAGLANDINS, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1584. Harnisch R, Teller WM: Osteogenesis imperfecta. S. mit neuen Gesichtspunkten zur Pathogenese und Therapie. *Monatsschr Kinderheilkd* 126(10):597-606, Oct 78 (Eng. Abstr.)  
ADOLESCENCE/ AGE FACTORS/ CALCITONIN, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ COLLAGEN, biosynthesis/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ \*OSTEOGENESIS IMPERFECTA/ OSTEOGENESIS IMPERFECTA, diagnosis/ OSTEOGENESIS IMPERFECTA, therapy/ OSTEOGENESIS IMPERFECTA, REVIEW/ TIME FACTORS
1585. Harper AE: Nutritional requirements and dietary influences on growth. *Compr Ther* 4(10):10-7, Oct 78 (13 ref.)  
ADOLESCENCE/ ADULT/ AGE FACTORS/ ANIMAL/ AVITAMINOSIS, etiology/ CHILD/ CHILD, PRESCHOOL/ DIET THERAPY/ STANDARDS/ DIETARY PROTEINS/ ENERGY/ METABOLISM/ FEMALE/ HUMAN/ INFANT/ LACTATION/ MALE/ MIDDLE AGE/ MINERALS/ \*NUTRITION/ \*NUTRITIONAL REQUIREMENTS/ PREGNANCY/ REVIEW/ VITAMINS, metabolism
1586. Harrigan JT, Marino JF: Fetal heart rate reaction to amniocentesis as an indicator of fetal well-being. *Am J Obstet Gynecol* 132(1):49-52, 1 Sep 78  
\*AMNIOCENTESIS/ CESAREAN SECTION/ ESTRIOL, metabolism/ FEMALE/ FETAL DISTRESS, diagnosis/ \*FETAL HEART, physiopathology/ \*HEART RATE/ HUMAN/ INFANT, NEWBORN/ OXYTOCIN, pharmacodynamics/ PREGNANCY/ \*PREGNANT, DIAGNOSIS/ UTERINE CONTRACTION, monitoring



# AUTHOR SECTION

effects

- Harris AR, Fang SL, Vagenakis AG, et al: Effect of starvation, nutrient replacement, and hypothyroidism on in vitro hepatic T4 to T3 conversion in the rat. *Metabolism* 27(11):1680-90, Nov 78  
AMINO ACIDS, metabolism/ ANIMAL/ BLOOD SUGAR, metabolism/ COMPARATIVE STUDY/ DIET/ DIETARY CARBOHYDRATES, metabolism/ DWARFISM, PITUITARY, metabolism/ HYDROGEN-ION CONCENTRATION/ \*HYPOTHYROIDISM, metabolism/ IN VITRO/ INSULIN, blood/ LIPIDS, metabolism/ \*LIVER, metabolism/ MALE/ MICE/ RATS/ STARVATION/ TEMPERATURE/ \*THYROXINE, metabolism/ \*TRIODOOTHYRONINE, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Harris P, Capperault I: A new absorbable haemostatic bone sealant. *J R Coll Surg Edinb* 23(5):285-91, Sep 78  
ANIMAL/ \*BONE AND BONES, surgery/ COLLAGEN, metabolism/ FIBRIN, metabolism/ \*HEMOSTASIS, SURGICAL, methods/ MALE/ OINTMENTS/ RATS/ WOUND HEALING
- Harrison GA, Boyce AJ, Platt CM, et al: Body composition changes during lactation in a New Guinea population. *Ann Hum Biol* 2(4):395-8, Oct 75  
\*BODY COMPOSITION/ BODY WEIGHT/ FEMALE/ HUMAN/ \*LACTATION/ LIPIDS/ NEW GUINEA/ PREGNANCY/ SKINFOLD THICKNESS/ STATISTICS
- Harrison HE, Reece AH, Johnson M: Decreased vascular prostacyclin in experimental diabetes. *Life Sci* 23(4):351-5, 24 Jul 78  
ANIMAL/ AORTA, metabolism/ BLOOD SUGAR, metabolism/ \*BLOOD VESSELS, metabolism/ \*DIABETES MELLITUS, EXPERIMENTAL, metabolism/ IN VITRO/ MALE/ \*PROSTAGLANDINS X, metabolism/ \*PROSTAGLANDINS, metabolism/ RATS
- Harrisson F: Etude ultrastructurale des variations cytologiques induites par la lumière sur l'adénohypophyse de la caillie mâle. *Experientia* 34(8):1075-6, 15 Aug 78 (Eng. Abstr.) (Fre)  
ANIMAL/ ENGLISH ABSTRACT/ \*LIGHT/ MALE/ PERIODICITY/ PITUITARY GLAND, ANTERIOR, physiology/ \*PITUITARY GLAND, ANTERIOR, ultrastructure/ \*QUAIL, physiology
- Hartwich G, Neidhardt B, Lutz H: Klinische Erfahrungen mit Holoxan im Rahmen einer sequentiellen Kombinationstherapie. *Med Klin* 73(36):1247-52, 8 Sep 78 (Eng. Abstr.) (Ger)  
ADULT/ AGED/ \*CYCLOPHOSPHAMIDE, analogs & derivatives/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HODGKIN'S DISEASE, drug therapy/ HUMAN/ \*IFOSFAMIDE, therapeutic use/ LUNG NEOPLASMS, drug therapy/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ \*NEOPLASMS, drug therapy/ REMISSION/ TESTICULAR NEOPLASMS, drug therapy/ VINCRISTINE, therapeutic use
- Hartwich G, von Roemeling R, Neidhardt B: Behandlungsergebnisse therapieresistenter akuter Leukosen mit 7 Zytostatika (TRAMPCO-Schema). *Med Klin* 73(39):1356-9, 29 Sep 78 (Eng. Abstr.) (Ger)  
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ AGED/ CYCLOPHOSPHAMIDE, therapeutic use/ CYTARABINE, therapeutic use/ DAUNOMYCIN, therapeutic use/ DRUG RESISTANCE/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*LEUKEMIA, drug therapy/ MALE/ METHOTREXATE, therapeutic use/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ THIIOGUANINE, therapeutic use/ VINCRISTINE, therapeutic use
- Hartwich G: Plasmozytom. *Fortschr Med* 96(36):1809-15, 28 Sep 78 (Ger)  
AGED/ AGING/ BENICE JONES PROTEIN/ BONE MARROW, cytology/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ HUMAN/ KIDNEY FAILURE, CHRONIC, etiology/ MALE/ MELPHALAN, therapeutic use/ MIDDLE AGE/ OSTEOPOROSIS, etiology/ PLASMA CELLS/ \*PLASMACYTOMA/ PROGNOSIS/ VINCRISTINE, therapeutic use
1595. Harvey JA: Neurotoxic action of halogenated amphetamines. *Ann NY Acad Sci* 305:289-304, 12 Jun 78  
P-CHLOROAMPHETAMINE, pharmacodynamics/ \*AMPHETAMINES, pharmacodynamics/ ANIMAL/ \*BRAIN, drug effects/ BRAIN, metabolism/ BRAIN, pathology/ FENFLURAMINE, pharmacodynamics/ MALE/ RATS/ SEROTONIN, metabolism/ STAINS AND STAINING/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1596. Harvey S, Scanes CG: Effect of adrenaline and adrenergic active drugs on growth hormone secretion in immature cockerels. *Experientia* 34(8):1096-7, 15 Aug 78  
\*ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ \*ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ \*ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ \*CHICKENS, physiology/ \*EPINEPHRINE, pharmacodynamics/ MALE/ \*SOMATOTROPIN, secretion
1597. Hasan M, Ali SF, Tariq M: Levels of dopamine, norepinephrine and 5-hydroxytryptamine in different regions of the rat brain in thallium toxicosis. *Acta Pharmacol Toxicol (Copenh)* 43(3):169-73, Sep 78  
ANIMAL/ BRAIN STEM, metabolism/ \*BRAIN, metabolism/ CEREBELLUM, metabolism/ CORPUS STRIATUM, metabolism/ \*DOPAMINE, metabolism/ HYPOTHALAMUS, metabolism/ LIMBIC SYSTEM, metabolism/ MALE/ \*NOREPINEPHRINE, metabolism/ RATS/ \*SEROTONIN, metabolism/ \*THALLIUM, poisoning
1598. Hase U: Intrakranielle Drucksteigerung. Messmethoden, Pathophysiologie, Therapie. *Neurochirurgia (Stuttg)* 21(5):145-57, Sep 78 (Eng. Abstr.) (Ger)  
\*BRAIN DISEASES, diagnosis/ BRAIN DISEASES, drug therapy/ BRAIN DISEASES, therapy/ BRAIN EDEMA, diagnosis/ CEREBROSPINAL FLUID SHUNTS/ CEREBROVASCULAR CIRCULATION/ DEXAMETHASONE, therapeutic use/ DIURETICS, therapeutic use/ ELASTICITY/ ENGLISH ABSTRACT/ HUMAN/ HYPERVENTILATION/ HYPOTHERMIA, INDUCED/ \*INTRACRANIAL PRESSURE/ MANOMETRY, methods
1599. Hashimoto H, Nakashima M: Influence of thyroid hormone on the positive inotropic effects mediated by alpha- and beta-adrenoceptors in isolated guinea pig atria and rabbit papillary muscles. *Eur J Pharmacol* 50(4):337-47, 15 Aug 78  
ANIMAL/ CALCIUM, pharmacodynamics/ GUINEA PIGS/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ \*MYOCARDIAL CONTRACTION, drug effects/ PAPILLARY MUSCLES, drug effects/ PHENYLEPHRINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ \*RECEPTORS, ADRENERGIC, drug effects/ \*RECEPTORS, ADRENERGIC, ALPHA, drug effects/ \*RECEPTORS, ADRENERGIC, BETA, drug effects/ SPECIES SPECIFICITY/ \*THYROID HORMONES, pharmacodynamics
1600. Hassanein OR, Anderson GB, Burgess AE: Towards a reduction in error in the radiological measurement of growth in long leg bones of children. *IEEE Trans Biomed Eng* 25(4):384-7, Jul 78  
ADULT/ BIOMEDICAL ENGINEERING/ \*BONE AND BONES, radiography/ \*BONE DEVELOPMENT/ CHILD/ COMPUTERS/ HUMAN/ INFANT, NEWBORN/ LEG, growth & development/ \*LEG, radiography
1601. Hassani M: Rôle joué par le cortex surréal dans l'action lutéotrope des estrogènes au cours du cycle estral de la ratte. *C R Soc Biol (Paris)* 172(1):167-71, 1978 (Eng. Abstr.) (Fre)  
ADRENAL CORTEX, drug effects/ \*ADRENAL CORTEX, physiology/ ANIMAL/ DEXAMETHASONE, pharmacodynamics/ ENGLISH ABSTRACT/ ESTRADIOL, pharmacodynamics/ \*ESTRUS/ ESTRUS, drug effects/ FEMALE/ METYRAPONE, pharmacodynamics/ \*PROGESTERONE, blood/ RATS
1602. Hassani M, Roos J, Aron C: The adrenal cortex and the luteotropic action of estrogens during the estrous cycle in the rat. *Endokrinologie* 72(1):43-50, Apr 78  
\*ADRENALECTOMY/ ANIMAL/ \*ESTRADIOL,



## AUTHOR SECTION

- pharmacodynamics/ \*ESTRUS/ \*ESTRUS, drug effects/ FEMALE/ KINETICS/ OVARY, drug effects/ OVARY, secretion/ \*PROGESTERONE, blood/ RATS
1603. Hassani M, Plas-Roser S, Roos J, et al: Action of testosterone propionate on the gonadotrophic function of the pituitary gland in the cyclic female rat. *Acta Endocrinol (Copenh)* 89(3):551-6, Nov 78  
ANIMAL/ DIESTRUS/ FEMALE/ FSH, blood/ \*FSH, secretion/ GRAAFIAN FOLLICLE, drug effects/ LH, blood/ \*LH, secretion/ OVULATION, drug effects/ \*PITUITARY GLAND, ANTERIOR, drug effects/ PITUITARY GLAND, ANTERIOR, secretion/ PROESTRUS/ RADIOIMMUNOASSAY/ RATS/ \*TESTOSTERONE, pharmacodynamics
1604. Hatanaka H, Otten U, Thoenen H: Nerve growth factor-mediated selective induction of ornithine decarboxylase in rat pheochromocytoma; a cyclic AMP-independent process. *FEBS Lett* 92(2):313-6, 15 Aug 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ \*ADRENAL GLAND NEOPLASMS, enzymology/ \*CARBOXY-LYASES, biosynthesis/ CELL LINE/ CYCLOHEXIMIDE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ NEOPLASMS, EXPERIMENTAL, enzymology/ \*NERVE GROWTH FACTOR, pharmacodynamics/ NUCLEOTIDES, CYCLIC, pharmacodynamics/ \*ORNITHINE DECARBOXYLASE, biosynthesis/ \*PHEOCHROMOCYTOMA, enzymology
1605. Hatin Ricardo A, Puig Fuente JE, Aguilar Pacin N: Síndrome de Guillain-Barré. *Rev Cubana Med Trop* 30(1):15-23, Jan-Apr 78 (Eng. Abstr.) (Spa)  
ADULT/ AGE FACTORS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PERIPHERAL NERVES, pathology/ \*POLYRADICULONEURITIS/ POLYRADICULONEURITIS, drug therapy/ POLYRADICULONEURITIS, pathology/ PREDNISONE, therapeutic use/ PYRIDOXINE, therapeutic use/ SEX FACTORS/ THIAMINE, therapeutic use/ VITAMIN B 12, therapeutic use
1606. Hatzibujas J, Ueberberg H, Stoldt R, et al: Elektronenmikroskopische Befunde eines malignen Hepatoms nach oraler Kontrazeption. *Z Gastroenterol* 16(10):616-24, Oct 78 (Eng. Abstr.) (Ger)  
ADULT/ CELL NUCLEUS/ \*CONTRACEPTIVES, ORAL, adverse effects/ \*CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HEPATOMA, chemically induced/ \*HEPATOMA, ultrastructure/ HUMAN/ LIVER NEOPLASMS, chemically induced/ \*LIVER NEOPLASMS, ultrastructure/ MITOCHONDRIA, LIVER
1607. Häulicä I, Petrescu G, Stratone A, et al: Diurnal variations of renin-like activity in pineal gland, hypophysis and hypophysis and hypothalamus of the rat. *Rev Med Chir Soc Med Nat Iasi* 82(2):283-90, Apr-Jun 78  
P-CHLOROPHENYLANILINE, pharmacodynamics/ ANGIOTENSIN II, metabolism/ ANIMAL/ \*CIRCADIAN RHYTHM/ \*DIURNAL RHYTHM/ GANGLIA, AUTONOMIC, physiology/ \*HYPOTHALAMUS, metabolism/ NEPHRECTOMY/ \*PINEAL BODY, metabolism/ \*PITUITARY GLAND, metabolism/ RATS/ \*RENIN, metabolism/ RESERPINE, pharmacodynamics/ SEROTONIN, metabolism/ SYMPATHECTOMY
1608. Häusler A, Rohr HP, Marbach P, et al: Changes in prolactin secretion in lactating rats assessed by correlative morphometric and biochemical methods. *J Ultrastruct Res* 64(1):74-84, Jul 78  
ANIMAL/ CELL NUCLEUS, ultrastructure/ CYTOPLASMIC GRANULES, ultrastructure/ ENDOPLASMIC RETICULUM, ultrastructure/ EXOCYTOSIS, drug effects/ FEMALE/ GOLGI APPARATUS, ultrastructure/ \*LACTATION/ MITOCHONDRIA, ultrastructure/ PITUITARY GLAND, ANTERIOR, drug effects/ PITUITARY GLAND, ANTERIOR, secretion/ \*PITUITARY GLAND, ANTERIOR, ultrastructure/ PREGNANCY/ \*PROLACTIN, secretion/ RATS/ 2-BROMOERGOCRYPTINE, pharmacodynamics
1609. Haussler MR, Baylink DJ, Hughes MR, et al: The assay of
- lpha,25-dihydroxyvitamin D3: physiologic and modulation of circulating hormone levels. *Clin Endocrinol (Oxf)* 5 Suppl:151S-165S, 1976  
ANIMAL/ BINDING, COMPETITIVE/ CALCIUM/ CALCIUM, metabolism/ CALCIUM, physiology/ CHICKENS/ DIET/ \*DIHYDROXYCHOLECALCIFEROLS, blood/ HOMEOSTASIS/ HUMAN/ \*HYDROXYCHOLECALCIFEROLS, blood/ INTESTINAL MUCOSA, metabolism/ INTESTINAL MUCOSA, ultrastructure/ INTESTINES, metabolism/ KIDNEY FAILURE, CHRONIC, metabolism/ KIDNEY, transplantation/ MALE/ PARATHYROID GLANDS, physiology/ PHOSPHATES, metabolism/ PHOSPHATES, physiology/ RADIOLIGAND ASSAY/ RECEPTORS, HORMONE, metabolism/ RECEPTORS, HORMONE, physiology/ RADIOLIGAND ASSAY/ THYROID GLAND, physiology/ THYROIDECTOMY/ TRANSPLANTATION/ HOMOLOGOUS/ UNITED STATES GOVERNMENT SUPPORTED, P.H.S.
1610. Haven GT, Hansell JR, Haven MC: Reproducibility of duplicate specimens in the Basic Ligand Survey. *Am J Clin Pathol* 70(3 Suppl):532-8, Sep 78  
DIGOXIN, blood/ EVALUATION STUDIES/ FOLIC ACID, blood/ HUMAN/ HYDROCORTISONE, blood/ IRON, blood/ PATHOLOGY/ \*RADIOLIGAND ASSAY, standards/ SOCIETIES, MEDICAL/ \*TECHNOLOGY, MEDICAL, standards/ THYROXINE, blood/ TRIIODOTHYRONINE, blood/ UNITED STATES/ VITAMIN B 12
1611. Hawthorne EW, Curry CL: Mild hypertension—applied diagnostic work-up. *Ann NY Acad Sci* 304:363-7, 78 (56 ref.)  
ADRENAL GLAND DISEASES, complications/ ADULT/ CONTRACEPTIVES, ORAL, SYNTHETIC, adverse effects/ FEMALE/ HUMAN/ OCULI/ HUMAN/ HYPERTENSION, complications/ \*HYPERTENSION, diagnosis/ HYPERTENSION, etiology/ MEDICAL HISTORY TAKING/ AGE/ OPHTHALMOSCOPY/ PHYSICAL EXAMINATION/ PREGNANCY, complications/ CARDIOVASCULAR DISEASES/ PREGNANCY/ RENIN, blood/ REVIEW/ UROGRAPHY
1612. Hay AW, Darling M, Watson G: Rickets and vitamin D metabolism in primates. *Proc Nutr Soc* 37(2):42A, Apr 1978  
ANIMAL/ CHOLECALCIFEROLS, therapeutic use/ ERGOCALCIFEROL, therapeutic use/ MOLECULAR WEIGHT/ \*RICKETS, drug therapy/ RICKETS, metabolism/ \*VITAMIN D, therapeutic use
1613. Hayasaka S, Sears M: Effects of epinephrine, indomethacin, and dexamethasone on the in vitro activity of lysosomal hyaluronidase from rabbit iris. *Invest Ophthalmol Vis Sci* 17(11):1109-13, Nov 78  
ACID PHOSPHATASE, analysis/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ ASPIRIN, pharmacodynamics/ CATTLE/ DEXAMETHASONE, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ \*HYALURONIDASE, in vitro/ INDOMETHACIN, pharmacodynamics/ IRIS, drug effects/ \*IRIS, enzymology/ LYSOSOMES, drug effects/ \*LYSOSOMES, enzymology/ RABBITS/ TESTIS, enzymology/ UNITED STATES GOVT SUPPORTED, P.H.S.
1614. Hayashi S, Sanada K, Sagawa N, et al: Umbilical vein differences of plasma amino acids in the last trimester of human pregnancy. *Biol Neonate* 34(1-2):11-8, 1978  
\*AMINO ACIDS, blood/ FEMALE/ \*FETUS, metabolism/ HUMAN/ INFANT, NEWBORN/ INFANT, PREMATURE/ MATERNAL FETAL EXCHANGE/ NITROGEN, metabolism/ PLACENTA, metabolism/ \*PREGNANCY, TRIMESTER, THIRD/ PREGNANCY/ UMBILICAL ARTERIES/ UMBILICAL VEIN
1615. Hayes HM Jr, Young JL Jr: Epidemiologic features of ovarian neoplasms. *Gynecol Oncol* 6(4):348-53, Dec 1977  
ANIMAL/ DOG DISEASES, etiology/ \*DOG DISEASES, occurrence/ DOGS/ FEMALE/ AMERICA/ OVARIAN NEOPLASMS, etiology/ OVARIAN NEOPLASMS, occurrence/ \*OVARIAN NEOPLASMS, occurrence/



## AUTHOR SECTION

NEOPLASMS, veterinary/ RETROSPECTIVE STUDIES/ RISK

Haynes BF, Fauci AS: Diabetes insipidus associated with Wegener's granulomatosis successfully treated with cyclophosphamide. *N Engl J Med* 299(14):764, 5 Oct 78  
ADULT/ CASE REPORT/  
\*CYCLOPHOSPHAMIDE, therapeutic use/  
\*DIABETES INSIPIDUS, etiology/ HUMAN/  
MALE/ WEGENER'S GRANULOMATOSIS, complications/ \*WEGENER'S GRANULOMATOSIS, drug therapy

Haynie TP, Johnson DE: Androgen-parathormone primed phosphorus 32 for intractable pain in carcinoma of the prostate. pp. 251-6.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
AGED/ BONE NEOPLASMS, complications/ BONE NEOPLASMS, etiology/ HUMAN/ MALE/ MIDDLE AGE/ MONOGRAPH/ NEOPLASM METASTASIS/ PAIN, INTRACTABLE, drug therapy/ PAIN, INTRACTABLE, etiology/ \*PAIN, INTRACTABLE, radiotherapy/ \*PARATHYROID HORMONE, administration & dosage/ \*PHOSPHORUS RADIOISOTOPES, administration & dosage/ \*PROSTATIC NEOPLASMS, complications/ PROSTATIC NEOPLASMS, drug therapy/ PROSTATIC NEOPLASMS, radiotherapy/ \*TESTOSTERONE, administration & dosage

Headon DR, Hsiao J, Ungar F: The intracellular localization of adrenal  $\beta$ beta-hydroxysteroid dehydrogenase/delta5-isomerase by density gradient perturbation. *Biochem Biophys Res Commun* 82(3):1006-12, 14 Jun 78

\*ADRENAL CORTEX, enzymology/ CATTLE/ CENTRIFUGATION, DENSITY GRADIENT/ COMPARATIVE STUDY/ DESOXYCORTICOSTERONE, metabolism/ ENDOPLASMIC RETICULUM, enzymology/ MICROSOMES, enzymology/ MITOCHONDRIA, enzymology/ PREGNENOLONE, metabolism/ \*PROGESTERONE REDUCTASE, isolation & purification/ PROGESTERONE, metabolism/ SUCCINATE DEHYDROGENASE, metabolism/ TETRAZOLIUM SALTS, pharmacodynamics/ \*3-HYDROXYSTEROID DEHYDROGENASES, isolation & purification

Hearn MT, Hancock WS, Bishop CA: High-pressure liquid chromatography of amino acids, peptides and proteins. V. Separation of thyroidal iodo-amino acids by hydrophilic ion-paired reversed-phase high-performance liquid chromatography. *J Chromatogr* 157:337-44, 21 Sep 78  
CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ \*THYROXINE, analysis/ \*TRIIODOTHYRONINE, analysis/ \*TRIIODOTHYRONINE, REVERSE, analysis

Hearse DJ, Humphrey SM, Boink AB, et al: The calcium paradox: metabolic, electrophysiological, contractile and ultrastructural characteristics in four species.  
*Eur J Cardiol* 7(4):241-56, Jun 78

ANIMAL/ CALCIUM, deficiency/ \*CALCIUM, metabolism/ CORONARY CIRCULATION/ CREATINE KINASE, metabolism/ ELECTROCARDIOGRAPHY/ ELECTROPHYSIOLOGY/ ENERGY METABOLISM/ GUINEA PIGS/ \*HEART, physiopathology/ MALE/ MICE/ MYOCARDIAL CONTRACTION/ \*MYOCARDIUM, metabolism/ MYOCARDIUM, ultrastructure/ PERFUSION/ RABBITS/ RATS

Hearse DJ, Garlick PB, Humphrey SM, et al: The effect of drugs on enzyme release from the hypoxic myocardium.  
*Eur J Cardiol* 7(5-6):421-36, Jul 78

ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ \*CATECHOLAMINES, pharmacodynamics/ \*CORONARY DISEASE, enzymology/ CREATINE KINASE, metabolism/ \*DOBUTAMINE, pharmacodynamics/ ENERGY METABOLISM, drug effects/ \*GLUCOSE SOLUTION, HYPERTONIC, pharmacodynamics/ \*GLUCOSE, pharmacodynamics/ \*HYDROCORTISONE, pharmacodynamics/ \*INSULIN, pharmacodynamics/ \*ISOPROTERENOL, pharmacodynamics/ LACTATE DEHYDROGENASE ISOENZYMES, metabolism/

LEUCYL-BETA-NAPHTHYLAMIDASE, metabolism/ MALE/ \*MANNITOL, pharmacodynamics/ MYOCARDIAL CONTRACTION, drug effects/ \*MYOCARDIUM, enzymology/ \*PROPRANOLOL, pharmacodynamics/ RATS

1622. Heath H 3d, DiBella FP: Reduced-volume radioimmunoassays for parathyrin and calcitonin in serum, for use in pediatric and small-animal studies. *Clin Chem* 24(10):1833-5, Oct 78  
ADOLESCENCE/ ANIMAL/ \*CALCITONIN, blood/ CALCIUM, pharmacodynamics/ CHILD/ CHILD, PRESCHOOL/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ MICROCHEMISTRY/ \*PARATHYROID HORMONE, blood/ RADIOIMMUNOASSAY/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

1623. Hebdon M, Le Vine H 3d, Sahyoun N, et al: Properties of the interaction of fluoride- and guanylyl-5'-imidodiphosphate-regulatory proteins with adenylate cyclase. *Proc Natl Acad Sci USA* 75(8):3693-7, Aug 78  
\*ADENYL CYCLASE, metabolism/ ENZYME ACTIVATION/ \*FLUORIDES, metabolism/ \*GUANOSINE TRIPHOSPHATE, analogs & derivatives/ \*GUANYLYL IMIDODIPHOSPHATE, metabolism/ MAGNESIUM, metabolism/ \*MEMBRANE PROTEINS, metabolism/ \*SODIUM FLUORIDE, metabolism

1624. Heber D, Odell WD: Development of a GnRH radioimmunoassay utilizing a superactive synthetic GnRH analog: D-[Lys6]-GnRH. *Proc Soc Exp Biol Med* 158(4):643-6, Sep 78  
ANIMAL/ ANTIBODY SPECIFICITY/ CROSS REACTIONS/ DOGS/ FEMALE/ HUMAN/ MALE/ \*PITUITARY HORMONE RELEASING HORMONES, analysis/ PITUITARY HORMONE RELEASING HORMONES, blood/ PITUITARY HORMONE RELEASING HORMONES, immunology/ \*RADIOIMMUNOASSAY, methods

1625. Hedlin AM, Milojevic S, Korey A: Plasminogen activator levels in plasma and urine during exercise and oral contraceptive use. *Thromb Haemostasis* 39(3):743-50, 30 Jun 78  
BLOOD COAGULATION/ \*CONTRACEPTIVES, ORAL, pharmacodynamics/ \*EXERTION/ FEMALE/ FIBRINOLYSIS/ HUMAN/ MENSTRUATION/ \*PLASMINOGEN ACTIVATORS, blood/ PLASMINOGEN ACTIVATORS, urine/ TIME FACTORS

1626. Hedner T, Lundborg P, Engel J: Effect of hypoxia on monoamine synthesis in brains of developing rats. III. Various O<sub>2</sub> levels. *Biol Neonate* 34(1-2):55-60, 1978  
ANIMAL/ ANIMALS, NEWBORN/ \*ANOXIA, metabolism/ BRAIN, growth & development/ \*BRAIN, metabolism/ \*DOPA, biosynthesis/ FEMALE/ HYDROXYTRYPTOPHAN, metabolism/ \*NOREPINEPHRINE, biosynthesis/ \*OXYGEN CONSUMPTION/ PREGNANCY/ RATS/ \*SEROTONIN, biosynthesis/ TRYPTOPHAN HYDROXYLASE, metabolism/ TRYPTOPHAN, metabolism/ TYROSINE HYDROXYLASE, metabolism/ \*TYROSINE, metabolism

1627. Heel RC, Brogden RN, Speight TM, et al: Desoxymethasone: a review of its pharmacological properties and therapeutic efficacy in the treatment of dermatoses. *Drugs* 16(4):302-21, Oct 78 (81 ref.)  
ANIMAL/ DESOXIMETASONE, adverse effects/ DESOXIMETASONE, metabolism/ \*DESOXIMETASONE, pharmacodynamics/ DESOXIMETASONE, therapeutic use/ \*DEXAMETHASONE, analogs & derivatives/ HUMAN/ KINETICS/ REVIEW/ \*SKIN DISEASES, drug therapy

1628. Heenen M, Mairesse N, Galand P: Effect of the skin chalone on the epidermis and other tissues in the mouse. A reappraisal of the concept of chalone specificity. *Bull Cancer (Paris)* 65(2):227-30, 1978  
ANIMAL/ CELL DIVISION, drug effects/ CHALONES, isolation & purification/ \*CHALONES, pharmacodynamics/ CHALONES, physiology/ DNA, biosynthesis/ EAR, EXTERNAL, drug effects/ \*EPIDERMIS, drug effects/ EPIDERMIS, metabolism/ EPITHELIUM, drug effects/ ESTRADIOL, pharmacodynamics/ FEMALE/ MICE/ SKIN,

# AUTHOR SECTION

- analysis/ SWINE/ UTERUS, drug effects/ VAGINA, drug effects
1629. Hegarty PV, Allen CE: Effect of pre-natal runting on the post-natal development of skeletal muscles in swine and rats. *J Anim Sci* 46(6):1634-40, Jun 78  
\*ANIMAL NUTRITION/ ANIMAL/ BIRTH WEIGHT/ BODY WEIGHT/ BONE AND BONES, anatomy & histology/ COMPARATIVE STUDY/ \*FETUS, physiology/ GROWTH/ MALE/ MUSCLES, anatomy & histology/ \*MUSCLES, growth & development/ \*RATS, growth & development/ \*SWINE, growth & development
  1630. Hegde UC, Shastri PR, Rao SS: Use of dithiothreitol for improved visibility of the F body in human Y-bearing spermatozoa. *J Reprod Fertil* 53(2):403-5, Jul 78  
\*CELL SEPARATION, methods/ \*DITHIOTHREITOL/ \*F FACTOR/ HUMAN/ MALE/ \*SEX CHROMOSOMES/ \*SPERMATOZOA, ultrastructure/ \*Y CHROMOSOME
  1631. Heimann P, Tibblin S: Endokrinkirurgi--en ny kirurgisk subspecialitet. *Lakartidningen* 75(41):3680-3, 11 Oct 78 (Eng. Abstr.) (Swe)  
EDUCATION, MEDICAL, GRADUATE/ \*ENDOCRINOLOGY/ ENDOCRINOLOGY, education/ ENGLISH ABSTRACT/ RESEARCH/ \*SURGERY
  1632. Heimann P: Choice of preoperative treatment in hyperthyroidism. *World J Surg* 2(3):289-92, May 78  
CARBIMAZOLE, therapeutic use/ HUMAN/ \*PREOPERATIVE CARE/ PROPRANOLOL, therapeutic use/ \*THYROID NEOPLASMS, drug therapy/ THYROID NEOPLASMS, surgery/ THYROTROPIN, therapeutic use
  1633. Heimann P: Should hyperthyroidism be treated by surgery? *World J Surg* 2(3):281-7, May 78  
CHILD/ GOITER, EXOPHTHALMIC, therapy/ HUMAN/ HYPERTHYROIDISM, radiotherapy/ \*HYPERTHYROIDISM, surgery/ IODINE RADIOISOTOPES, adverse effects/ IODINE RADIOISOTOPES, therapeutic use/ NEOPLASMS, RADIATION-INDUCED, etiology/ THYROID NEOPLASMS, etiology/ \*THYROIDECTOMY
  1634. Heindel JJ, Riggs TR: Amino acid transport in vitamin B6-deficient rats: dependence on growth hormone supply. *Am J Physiol* 235(3):E316-23, Sep 78  
\*AMINO ACIDS, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT/ DIAPHRAGM, metabolism/ KIDNEY, metabolism/ MALE/ MUSCLES, metabolism/ PENICILLAMINE, adverse effects/ RATS/ \*SOMATOTROPIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VITAMIN B DEFICIENCY, chemically induced/ \*VITAMIN B DEFICIENCY, metabolism
  1635. Heiseke D, Kircheggner M: Eisen- und Zinkgehalte in verschiedenen Organen der Ratte bei Mangan-Mangel. *Zentralbl Veterinaermed [A]* 25(4):307-11, May 78 (Eng. Abstr.) (Ger)  
ANIMAL/ BONE AND BONES, analysis/ ENGLISH ABSTRACT/ \*IRON, analysis/ LIVER, analysis/ MALE/ \*MANGANESE, deficiency/ PANCREAS, analysis/ RATS/ \*ZINC, analysis
  1636. Heiskanen O, Raitta C, Torsti R: The management and prognosis of gliomas of the optic pathways in children. *Acta Neurochir (Wien)* 43(3-4):193-9, 1978  
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ CRANIAL NERVE NEOPLASMS, complications/ \*CRANIAL NERVE NEOPLASMS, surgery/ FEMALE/ GLIOMA, complications/ GLIOMA, radiotherapy/ \*GLIOMA, surgery/ HUMAN/ HYPOPHYSECTOMY, etiology/ INFANT/ MALE/ \*OPTIC CHIASM/ OPTIC NERVE DISEASES, complications/ \*OPTIC NERVE DISEASES, surgery/ PROGNOSIS/ RADIOTHERAPY, adverse effects/ VISION DISORDERS, etiology
  1637. Helke CJ, Souza JD, Gillis RA: Interaction of serotonin and deslanoside on cardiac rhythm in the cat. *Eur J Pharmacol* 51(2):167-77, 15 Sep 78  
ANIMAL/ \*ARRHYTHMIA, chemically induced/ BLOOD PRESSURE, drug effects/ CATS/ CREATININE, pharmacodynamics/ \*DESLANOSIDE, pharmacodynamics/ DRUG INTERACTIONS/ FEMALE/ HEART RATE, effects/ HYDROXYINDOLEACETIC ACID, metabolism/ \*LANATOSIDES, pharmacodynamics/ MALE/ MYOCARDIUM, metabolism/ \*SEROTONIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  1638. Hellman S, Mauch P, Goodman RL, et al: The place of radiotherapy in the treatment of Hodgkin's disease. *Cancer Suppl*:971-8, Aug 78  
ADULT/ DRUG THERAPY, COMBINATION/ FEMALE/ HODGKIN'S DISEASE, drug therapy/ \*HODGKIN'S DISEASE, radiotherapy/ HUMAN/ MALE/ MECHLORETHAMINE, therapeutic use/ MYOCARDIAL INFARCTION, etiology/ PNEUMONIA, etiology/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ RADIATION INJURIES, etiology/ REMISSION, etiology/ TIME FACTORS/ VINCRISTINE, therapeutic use
  1639. Helmke K, Sodemann CP, Teuber J, et al: Nachweis zirkulierender Immunkomplexe mit der Laser-Nephelometrie. *Immun Infekt* 6(5):173-9, Oct 78  
ANTIBODIES, analysis/ \*ANTIGEN-ANTIBODY COMPLEX, analysis/ ANTIGENS, analysis/ ARTHRITIS, RHEUMATOID, immunology/ GOITER, EXOPHTHALMIC, immunology/ \*LASERS, diagnostic use/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ PLASMACYTOMA, immunology/ THYROIDITIS, immunology
  1640. Hendel RC, Turek FW: Suppression of locomotor activity in sparrows by treatment with melatonin. *Physiol Behav* 21(2):275-8, Aug 78  
ACTIVITY CYCLES, drug effects/ ANIMAL/ BIRDS/ DEPRESSION, CHEMICAL/ MALE/ \*MELATONIN, pharmacodynamics/ \*MOTOR ACTIVITY, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  1641. Henderson GI, Rama Sastry BV: Human placental choline acetyltransferase. Nature and molecular aspects of its inhibition by iodo- and bromoacetylcholines. *Biochem Pharmacol* 27(9):1331-40, 1 May 78  
ACETATES, pharmacodynamics/ \*ACETYLCHOLINE, analogs & derivatives/ ACETYLCHOLINE, pharmacodynamics/ BINOCULAR COMPETITIVE/ \*CHOLINE ACETYLTRANSFERASE, antagonists & inhibitors/ FEMALE/ HUMAN/ IN VITRO/ KINETICS/ \*PLACENTA, enzymology/ PREGNANCY/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  1642. Henderson IW, Balment RJ, Oliver JA: Vasopressin effect on plasma renin activity in male and female rats. *Clin Sci Mol Med* 55(3):301-7, Sep 78  
ANIMAL/ CASTRATION/ DEPRESSION, CHEMICAL/ DIABETES INSIPIDUS, blood/ FEMALE/ HYPOPHYSECTOMY/ MALE/ PHENOXYBENZAMINE, pharmacodynamics/ PROPRANOLOL, pharmacodynamics/ RATS/ \*RENIN, blood/ SEX FACTORS/ \*VASOPRESSIN, pharmacodynamics
  1643. Henderson KJ, Newton LD: Nature's infant nutrition: nursing mothers maintain lactation while separated from infants. *MCN* 3(6):352-6, Nov-Dec 78  
ADULT/ BREAST FEEDING/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ \*LACTATION/ \*MILK, HUMAN/ OBSTETRICS/ NURSING/ PREGNANCY/ PRESERVATION/ BIOLOGICAL/ \*SPECIMEN HANDLING
  1644. (Henl F), Klaus D: Lieber Felix Henl. *Med Welt* 29(4):20 Oct 78  
CURRENT BIOG-OBIT/ ENDOCRINOLOGY, history/ GERMANY, WEST/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENTURY
  1645. Henning M: Central sympathetic transmitters and hypertension. *Clin Sci Mol Med* 48 Suppl 2:195s-203s, Jun 75 (7)  
ACETYLCHOLINE, physiology/ ANIMAL/ \*BLOOD PRESSURE/ BLOOD PRESSURE, effects/ CARDIAC OUTPUT, drug effects/ CLONIDINE, therapeutic use/ DOGS/ \*DOPAMINE, physiology/ HEART RATE, drug effects/ HYPERTENSION, drug therapy/ HYPERTENSION, etiology



## AUTHOR SECTION

physiopathology/ METHYLDOPA, therapeutic use/  
\*METHYLNOREPINEPHRINE, physiology/  
\*NOREPINEPHRINE, analogs & derivatives/  
\*NOREPINEPHRINE, physiology/ RABBITS/  
RATS/ REVIEW/ SEROTONIN, physiology

5. Henry GP, Peakman DC, Robinson A: Prenatal genetic diagnosis: nine years experience. *Obstet Gynecol Surv* 33(9):569-77, Sep 78  
\*ABNORMALITIES, diagnosis/ ADULT/ ALPHA FETOPROTEINS, analysis/ AMNIOCENTESIS, adverse effects/ \*AMNIOCENTESIS, methods/ CHROMOSOME ABNORMALITIES, diagnosis/ FEMALE/ GENETIC COUNSELING/ HUMAN/ INFANT, NEWBORN/ MALE/ MIDDLE AGE/ PREGNANCY/ \*PRENATAL DIAGNOSIS/ PRENATAL DIAGNOSIS, methods/ RISK/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ ULTRASONICS, diagnostic use

- Henry JL: Rôles des peptides dans la transmission nerveuse centrale: substance P, bradykinine et beta-endorphine. *Ann Anesthesiol Fr* 19(5):391-8, 1978 (Eng. Abstr.) (Fre)  
ANIMAL/ \*BRADYKININ, pharmacodynamics/ CATS/ \*ENDORPHINS, pharmacodynamics/ ENGLISH ABSTRACT/ \*NEURAL TRANSMISSION, drug effects/ NOCICEPTORS, drug effects/ PROPRIOCEPTION, drug effects/ RATS/ RECEPTORS, NARCOTIC, drug effects/ SPINAL NERVES, drug effects/ \*SUBSTANCE P, pharmacodynamics

- Herbert DC: Identification of the LH and TSH-secreting cells in the pituitary gland of the rhesus monkey. *Cell Tissue Res* 190(1):151-61, 26 Jun 78  
ANIMAL/ FEMALE/ HISTOCYTOCHEMISTRY/ IMMUNOENZYME TECHNIQUES/ \*LH, secretion/ MALE/ \*PITUITARY GLAND, cytology/ PITUITARY GLAND, secretion/ PITUITARY GLAND, POSTERIOR, cytology/ PITUITARY GLAND, POSTERIOR, secretion/ PREGNANCY/ RHEBUS MONKEYS/ \*THYROTROPIN, secretion/ UNITED STATES GOV'T SUPPORTED, P.H.S.

- Herbert J, Klinowska M: Day length and the annual reproductive cycle in the ferret (*Mustela furo*): the role of the pineal body. pp. 87-93.  
In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
ANIMAL/ \*CARNIVORA, physiology/ ESTRUS/ FEMALE/ \*FERRETS, physiology/ LIGHT/ MALE/ MONOGRAPH/ OVULATION/ \*PERIODICITY/ \*PINEAL BODY, physiology/ \*REPRODUCTION/ SEASONS/ SEROTONIN, physiology/ SEX BEHAVIOR, ANIMAL

- Héritier P, Hessler D: Les complications cardio-vasculaires du traitement oestrogénique du cancer de la prostate. *Ther Umsch* 35(10):841-4, Oct 78 (Eng. Abstr.) (Fre)  
\*CARDIOVASCULAR DISEASES, chemically induced/ ENGLISH ABSTRACT/ ESTRADIOL, administration & dosage/ \*ESTROGENS, adverse effects/ ESTROGENS, therapeutic use/ HUMAN/ MALE/ \*PROSTATIC NEOPLASMS, drug therapy

- Herkner K, Nowotny P, Waldhäusl W: Die Bestimmung von Aldosteron in Harn und Plasma. *J Chromatogr* 146(2):273-81, 1 Sep 78 (Eng. Abstr.) (Ger)  
\*ALDOSTERONE, analysis/ ALDOSTERONE, blood/ ALDOSTERONE, urine/ CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ HYDROLYSIS/ METHODS/ RADIOIMMUNOASSAY/ STEROIDS, analysis

- Hermo L, Lalli M: Monocytes and mast cells in the limiting membrane of human seminiferous tubules. *Biol Reprod* 19(1):92-100, Aug 78  
ADULT/ HUMAN/ MALE/ \*MAST CELLS, cytology/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ \*MONOCYTES, cytology/ \*SEMINIFEROUS TUBULES, cytology/ SEMINIFEROUS TUBULES, ultrastructure/ \*TESTIS, cytology

- Hernández Ayup S, Elizondo Elizondo F, Vargas López E, et al: Nuevo tratamiento para la endometriosis: isoxazol. *Ginecol Obstet Mex* 43(259):325-32, May 78 (Eng. Abstr.) (Spa)  
ADULT/ CLINICAL RESEARCH/ \*DANAZOL, therapeutic use/ DRUG EVALUATION/ \*ENDOMETRIOSIS, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PITUITARY

HORMONE RELEASE INHIBITING HORMONES, therapeutic use/ \*PREGNADIENES, therapeutic use

1654. Hernández Ayup S, Elizondo Elizondo F, Vargas López E, et al: Nueva dimensión terapéutica en la endometriosis: isoxazol. *Ginecol Obstet Mex* 44(261):23-7, Jul 78 (Eng. Abstr.) (Spa)

ADULT/ \*DANAZOL, therapeutic use/ DRUG EVALUATION/ \*ENDOMETRIOSIS, drug therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PITUITARY HORMONE RELEASE INHIBITING HORMONES, therapeutic use/ \*PREGNADIENES, therapeutic use/ PREGNANCY/ TIME FACTORS

1655. Herrera R, García R, Giliana J, et al: Valoración de los efectos antidepresivos y endocrinometabólicos del T.R.H. en ensayo abierto. *Arch Neurobiol (Madr)* 41(2):99-108, Mar-Apr 78 (Eng. Abstr.) (Spa)

ADULT/ CHOLESTEROL, blood/ \*DEPRESSION, drug therapy/ DEPRESSION, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LIPIDS, blood/ THYROID GLAND, drug effects/ THYROTROPIN RELEASING HORMONE, administration & dosage/ THYROTROPIN RELEASING HORMONE, adverse effects/ \*THYROTROPIN RELEASING HORMONE, therapeutic use

1656. Herrera-Justiniano E, Recio F, Ferrer M, et al: Loss of immunological and biological activity of insulin with a human muscle extract. *Rev Esp Fisiol* 34(2):131-5, Jun 78

ADIPOSE TISSUE, enzymology/ ANIMAL/ COMPARATIVE STUDY/ ENZYME ACTIVATION, drug effects/ EPIDIDYMIS, enzymology/ HUMAN/ INSULIN ANTAGONISTS, isolation & purification/ \*INSULIN ANTAGONISTS, pharmacodynamics/ \*INSULIN, biosynthesis/ INSULIN, metabolism/ MALE/ \*MUSCLES, enzymology/ MUSCLES, immunology/ MUSCLES, metabolism/ PROINSULIN, antagonists & inhibitors/ \*PROINSULIN, biosynthesis/ PROINSULIN, metabolism/ RATS/ SOMATOTROPIN, antagonists & inhibitors/ SOMATOTROPIN, metabolism/ SWINE/ TISSUE EXTRACTS, isolation & purification/ \*TISSUE EXTRACTS, pharmacodynamics

1657. Herreras JM, Ariza A, Garrido M: Avances etiopatogénicos en el úlcus péptico. III. Barrera rota; medio ambiente. *Rev Esp Enferm Apar Dig* 53(4):469-74, 15 May 78 (Eng. Abstr.) (Spa)

ADRENAL CORTEX HORMONES, adverse effects/ ENGLISH ABSTRACT/ HUMAN/ \*PEPTIC ULCER, etiology/ PERIODICITY/ SIALIC ACIDS, physiology/ STRESS, complications

1658. Herrmann J, Krüskemper HL: Gefährdung von Patienten mit latenter und manifester Hyperthyreose durch jodhaltige Röntgenkontrastmittel und Medikamente. *Dtsch Med Wochenschr* 103(37):1434, 1437-43, 15 Sep 78 (Eng. Abstr.) (Ger)

ADULT/ AGED/ BILIARY TRACT DISEASES, diagnosis/ CONTRAST MEDIA, adverse effects/ DIAGNOSIS, DIFFERENTIAL/ DISINFECTANTS, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYPERTHYROIDISM, chemically induced/ HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, drug therapy/ \*IODINE, adverse effects/ MALE/ MIDDLE AGE/ \*THYROID CRISIS, chemically induced/ TIME FACTORS

1659. Hesketh JE, Virmaux N, Mandel P: Evidence for a cyclic nucleotide-dependant phosphorylation of retinal myosin. *FEBS Lett* 94(2):357-60, 15 Oct 78

ACTOMYOSIN, metabolism/ \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ CATTLE/ MOLECULAR WEIGHT/ \*MYOSIN, metabolism/ PHOSPHORYLATION/ \*RETINA, metabolism

1660. Hesse B, Christensen NJ, Andersen ED: Renin release in relation to plasma noradrenaline during supine exercise in cardiac patients. *Acta Med Scand* 204(3):185-9, 1978

ADULT/ BRACHIAL ARTERY/ \*EXERTION/ FEMALE/ HEART CATHETERIZATION/ HEART DISEASES, blood/ HEART DISEASES, diagnosis/ HEMODYNAMICS/ HUMAN/ MALE/ MIDDLE AGE/ \*NOREPINEPHRINE, blood/ POSTURE/ RENAL VEINS/ \*RENIN, blood/ TIME FACTORS

1661. Heybach JP, Vernikos-Danellis J: Effects of fenfluramine administration on activity of the pituitary-adrenal system in



# AUTHOR SECTION

- the rat. *Proc West Pharmacol Soc* 21:19-25, 1978  
ANIMAL/ CORTICOSTERONE, blood/  
CORTICOTROPIN, metabolism/ \*FENFLURAMINE,  
pharmacodynamics/ \*PITUITARY-ADRENAL  
SYSTEM, drug effects/ PITUITARY-ADRENAL  
SYSTEM, metabolism/ RATS/ STRESS, blood/ TIME  
FACTORS
1662. Heyns W, Peeters B, Mous J, et al: Purification and  
characterisation of prostatic binding protein and its subunits.  
*Eur J Biochem* 89(1):181-6, 15 Aug 78  
AMINO ACIDS, analysis/ ANIMAL/ \*CARRIER  
PROTEINS, isolation & purification/ CARRIER  
PROTEINS, metabolism/ KINETICS/  
MACROMOLECULAR SYSTEMS/ MALE/  
MOLECULAR WEIGHT/ PREGNENOLONE,  
metabolism/ \*PROSTATE, metabolism/ RATS
1663. Heyse-Moore GH: A rational approach to the use of epidural  
medication in the treatment of sciatic pain.  
*Acta Orthop Scand* 49(4):366-70, Aug 78  
ACUTE DISEASE/ ADOLESCENCE/ ADULT/  
AGED/ \*ANESTHESIA, EPIDURAL/  
\*ANESTHETICS, LOCAL, administration & dosage/  
CHRONIC DISEASE/ EPIDURAL SPACE/  
FEMALE/ HUMAN/ INJECTIONS/ MALE/  
\*METHYLPREDNISOLONE, administration &  
dosage/ METHYLPREDNISOLONE, therapeutic use/  
MIDDLE AGE/ RECURRENCE/  
RETROSPECTIVE STUDIES/ \*SCIATICA, drug  
therapy/ TIME FACTORS
1664. Hickler RB, Lauler DP, Gleason RE, et al: Plasma renin activity  
and cardiovascular disease. *Clin Sci Mol Med* 48 Suppl  
2:131s-133s, Jun 75  
\*CARDIOVASCULAR DISEASES, blood/  
FEMALE/ HUMAN/ \*HYPERTENSION, blood/  
HYPERTENSION, classification/ MALE/ \*RENIN,  
blood/ RISK
1665. Hierro JH, Sánchez J, Peña J: Serotonergic stimulation of  
gastrin secretion. *Rev Esp Fisiol* 34(2):187-90, Jun 78  
ANIMAL/ \*GASTRIC MUCOSA, drug effects/  
GASTRIC MUCOSA, secretion/ GASTRINS, analysis/  
GASTRINS, blood/ \*GASTRINS, secretion/  
INJECTIONS, INTRAPERITONEAL/ MALE/  
RATS/ SECRETORY RATE/ SEROTONIN,  
analysis/ SEROTONIN, blood/ \*SEROTONIN,  
pharmacodynamics/ STIMULATION, CHEMICAL/  
TIME FACTORS
1666. Higashino K: [Oncofetal isozymes (author's transl)]  
Tanpakushitsu Kakusan Koso 23(6):594-64, May 78 (229 ref.)  
(Jpn)  
\*ALKALINE PHOSPHATASE, analysis/ ANIMAL/  
\*CARCINOEMBRYONIC ANTIGEN, analysis/  
FEMALE/ HUMAN/ INTESTINE, SMALL,  
embryology/ INTESTINE, SMALL, enzymology/  
\*ISOENZYMES, analysis/ LIVER NEOPLASMS,  
enzymology/ LUNG NEOPLASMS, enzymology/  
\*NEOPLASMS, enzymology/ PLACENTA,  
enzymology/ PREGNANCY/ RATS/ REVIEW
1667. Higgins CB, Sovak M, Schmidt W, et al: Uptake of contrast  
materials by experimental acute myocardial infarctions: a  
preliminary report. *Invest Radiol* 13(4):337-9, Jul-Aug 78  
ACUTE DISEASE/ ANIMAL/ \*CONTRAST  
MEDIA, metabolism/ DOGS/ IODINE, metabolism/  
IODIPAMIDE, administration & dosage/  
IODIPAMIDE, metabolism/ IOTHALAMIC ACID,  
administration & dosage/ IOTHALAMIC ACID,  
metabolism/ MEGLUMINE DIATRIZOATE,  
administration & dosage/ MEGLUMINE  
DIATRIZOATE, metabolism/ MYOCARDIAL  
INFARCTION, metabolism/ \*MYOCARDIAL  
INFARCTION, radiography/ \*MYOCARDIUM,  
metabolism/ TOMOGRAPHY, COMPUTERIZED  
AXIAL/ UNITED STATES GOV'T SUPPORTED,  
P.H.S.
1668. Higgins SJ, Gehring U: Molecular mechanisms of steroid  
hormone action. *Adv Cancer Res* 28:313-97, 1978 (458 ref.)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
pharmacodynamics/ BINDING SITES/ BIOLOGICAL  
TRANSPORT/ CELL MEMBRANE, metabolism/  
CELL NUCLEUS, metabolism/ CELLS,  
CULTURED/ CHICKENS/ CHROMATIN,  
metabolism/ CYTOPLASM, metabolism/ DNA,  
metabolism/ ENZYME INDUCTION/  
GLUCOCORTICOIDS, metabolism/  
\*GLUCOCORTICOIDS, pharmacodynamics/  
HEPATOMA, metabolism/ HORMONES, me  
\*HORMONES, pharmacodynamics/ KINETI  
LYMPHOCYTES, drug effects/ MODELS,  
BIOLOGICAL/ MOLECULAR CONFORM  
NUCLEOPROTEINS, metabolism/ ONCOG  
VIRUSES, drug effects/ OVIDUCTS, drug  
PITUITARY NEOPLASMS, secretion/ REC  
STEROID, metabolism/ REVIEW/ RNA,  
MESSENGER, biosynthesis/ STEROIDS, me  
\*STEROIDS, pharmacodynamics/ TRANSCR  
GENETIC/ TRANSLATION, GENETIC
1669. Higgins SJ, Burchell JM: Effects of testosterone on m  
ribonucleic acid and protein synthesis in rat semin  
*Biochem J* 174(2):543-51, 15 Aug 78  
ANIMAL/ CASTRATION/ CATIONS,  
pharmacodynamics/ CELL-FREE SYSTEM,  
effects/ IN VITRO/ MALE/ METHIONIN  
metabolism/ \*PROTEINS, biosynthesis/ RATS  
MESSENGER, metabolism/ SEMINAL VES  
drug effects/ \*SEMINAL VESICLES, metab  
\*TESTOSTERONE, pharmacodynamics
1670. Higgs EA, Moncada S, Vane JR, et al: Effect of pro  
(PGI2) on platelet adhesion to rabbit arterial subend  
*Prostaglandins* 16(1):17-22, Jul 78  
ANIMAL/ AORTA, ABDOMINAL, anatom  
histology/ ARTERIES, anatomy & histology/  
FEMALE/ IN VITRO/ MALE/ \*PLATEL  
ADHESIVENESS, drug effects/  
\*PROSTAGLANDINS X, pharmacodynamic  
\*PROSTAGLANDINS, pharmacodynamics/  
RABBITS
1671. Higgs EA, Moncada S, Vane JR: Inflammatory eff  
prostacyclin (PGI2) and 6-oxo-PGF1alpha in the  
*Prostaglandins* 16(2):153-62, Aug 78  
ANIMAL/ CARRAGEENAN, administration  
dosage/ COMPARATIVE STUDY/  
DOSE-RESPONSE RELATIONSHIP, DRUG  
DRUG SYNERGISM/ \*EDEMA, chemically  
HINDLIMB/ HYPERALGESIA, chemically  
INJECTIONS/ MALE/ PROSTAGLANDI  
administration & dosage/ \*PROSTAGLAND  
PROSTAGLANDINS F, administration & d  
\*PROSTAGLANDINS X/ PROSTAGLANDI  
administration & dosage/ \*PROSTAGLAND  
PROSTAGLANDINS, administration & dosag
1672. Higgs GA, Moncada S, Vane JR: Prostacyclin redu  
number of 'slow moving' leucocytes in hamster che  
venules [proceedings] *J Physiol (Lond)* 280:55P-56P  
ANIMAL/ \*CHEEK, blood supply/ \*CHEM  
LEUKOCYTE, drug effects/ DOSE-RESP  
RELATIONSHIP, DRUG/ HAMSTERS/  
LEUKOCYTES, drug effects/ MALE/  
MESOCRICETUS/ MICROCIRCULATION  
effects/ \*PROSTAGLANDINS X, pharmacoc  
\*PROSTAGLANDINS, pharmacodynamics
1673. Hilf R, Hissin PJ, Shafie SM: Regulatory interrel  
for insulin and estrogen action in mammary tum  
*Cancer Res* 38(11 Pt 2):4076-85, Nov 78  
\*ADENOCARCINOMA, metabolism/ AMIN  
ACIDS, metabolism/ ANIMAL/  
CARBOHYDRATES, metabolism/ CASTRA  
DIABETES MELLITUS, EXPERIMENTAL  
complications/ ESTRADIOL, pharmacodyn  
FEMALE/ INSULIN, pharmacodynamics/  
MAMMARY NEOPLASMS, EXPERIMEN  
chemically induced/ MAMMARY NEOPLA  
EXPERIMENTAL, complications/ \*MAMM  
NEOPLASMS, EXPERIMENTAL, metaboli  
MAMMARY NEOPLASMS, EXPERIMEN  
therapy/ \*NEOPLASMS,  
HORMONE-DEPENDENT, metabolism/ R  
\*RECEPTORS, ESTROGEN/ RECEPTOR  
ESTROGEN, drug effects/ \*RECEPTORS, I  
RECEPTORS, INSULIN, drug effects/ UN  
STATES GOV'T SUPPORTED, P.H.S./  
9,10-DIMETHYL-1,2-BENZANTHRACEN
1674. Hill LF, Davies M, Taylor CM, et al: Treatment o  
hypoparathyroidism with 1,25-dihydroxycholecalc  
*Clin Endocrinol (Oxf)* 5 Suppl:167S-173S, 1976  
ADULT/ CALCIUM, blood/ CALCIUM, me  
\*DIHYDROXYCHOLECALCIFEROLS, the  
use/ FEMALE/ HUMAN/  
\*HYDROXYCHOLECALCIFEROLS, thera  
use/ \*HYPOPARATHYROIDISM, drug the



# AUTHOR SECTION

- KIDNEY TUBULES, metabolism/ MALE/ MIDDLE AGE/ PHOSPHORUS, blood/ PHOSPHORUS, metabolism
- Hill R, Daunter B, Khoo SK, et al: Isolation of tumour-associated immunoglobulins from ascitic fluid. Br J Cancer 38(1):154-7, Jul 78  
 \*ANTIBODIES, NEOPLASM, isolation & purification/  
 \*ASCITIC FLUID, immunology/  
 CARCINOEMBRYONIC ANTIGEN, analysis/  
 CYSTADENOCARCINOMA, immunology/  
 FEMALE/ HUMAN/ \*IGG, isolation & purification/  
 MIDDLE AGE/ OVARIAN NEOPLASMS, immunology
- Hill RN: Differential toxicity of chloroform in the mouse. Ann NY Acad Sci 298:170-5, 29 Sep 78  
 ANIMAL/ CHLOROFORM, metabolism/  
 \*CHLOROFORM, toxicity/ DRUG SYNERGISM/  
 FEMALE/ \*KIDNEY, drug effects/ KIDNEY, physiology/ LETHAL DOSE 50/ MALE/ MICE/ MICE, INBRED STRAINS/ ORGAN SPECIFICITY/ REGENERATION/ SEX FACTORS/ SPECIES SPECIFICITY/ STEROIDS, pharmacodynamics/ TESTOSTERONE, pharmacodynamics/ \*WATER POLLUTANTS, toxicity/ \*WATER POLLUTANTS, CHEMICAL, toxicity
- Hill RT, Toivola PT: Effect of sacral cordotomy on the reproductive organs of the male guinea pig. Biol Reprod 19(1):64-8, Aug 78  
 ANIMAL/ CHORDOTOMY/ GUINEA PIGS/ LUMBOSACRAL REGION/ MALE/ ORGAN WEIGHT/ \*PARASYMPATHETIC NERVOUS SYSTEM, physiology/ \*SEMINAL VESICLES, innervation/ SPERMATOGENESIS/ SPINAL CORD, physiology/ \*TESTIS, innervation/  
 \*TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Hillman K, Krapez J: Treatment of dissecting aortic aneurysm and renin-induced hypertension with sodium nitroprusside. Br Med J 2(6140):799, 16 Sep 78  
 \*ANEURYSM, DISSECTING, drug therapy/  
 \*AORTIC ANEURYSM, drug therapy/ CASE REPORT/ \*FERRICYANIDES, therapeutic use/  
 HUMAN/ \*HYPERTENSION, RENAL, drug therapy/ MALE/ MIDDLE AGE/  
 \*NITROPRUSSIDE, therapeutic use/ RENIN, blood
- Hilscher B, Hilscher W: Kinetics of gametogenesis. II. Comparative autoradiographic studies of oögonia and multiplying prospermatogonia of the Wistar rat. Cell Tissue Res 190(1):61-8, 26 Jun 78  
 ANIMAL/ COMPARATIVE STUDY/ FEMALE/ MALE/ METAPHASE/ MITOSIS/ \*OOGENESIS/  
 \*OOGONIA, cytology/ OVARY, embryology/  
 \*OVUM, cytology/ PROPHASE/ RATS/  
 \*SPERMATOGENESIS/ \*SPERMATOGONIA, cytology/ \*SPERMATOZOA, cytology/ TESTIS, embryology
- Himelstein-Braw R, Peters H, Faber M: Morphological study of the ovaries of leukaemic children. Br J Cancer 38(1):82-7, Jul 78  
 ACUTE DISEASE/ ANTINEOPLASTIC AGENTS, adverse effects/ ANTINEOPLASTIC AGENTS, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GRAAFIAN FOLLICLE, pathology/ HUMAN/ INFANT/ LEUKEMIA, drug therapy/  
 \*LEUKEMIA, pathology/ OVARIAN DISEASES, chemically induced/ \*OVARY, pathology/ TIME FACTORS
- Himes JH: Bone growth and development in protein-calorie malnutrition. World Rev Nutr Diet 28:143-87, 1978 (264 ref.)  
 AGING/ ANIMAL/ BONE AND BONES, metabolism/ \*BONE AND BONES, pathology/  
 \*BONE DEVELOPMENT/ CALCIFICATION, PHYSIOLOGIC/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ \*GROWTH DISORDERS, etiology/ HUMAN/ INFANT/ MALE/ MONKEYS/ ORGAN WEIGHT/ OSSIFICATION, PHYSIOLOGIC/  
 \*PROTEIN-CALORIE MALNUTRITION, complications/ PROTEIN-CALORIE MALNUTRITION, pathology/ REVIEW/ SKELETON/ SWINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Himmelstein S, Bernstein K: Clinical aspects of nutritional secondary hyperparathyroidism in cage birds. VM SAC 73(6):761-3, Jun 78  
 ANIMAL/ \*BIRD DISEASES/ BIRDS/ CANARIES/ CASE REPORT/ FEMALE/  
 \*HYPERPARATHYROIDISM, SECONDARY, veterinary/ MALE/ PARAKEETS/ PIGEONS
1683. Himsworth RL, Lewis JG, Rees LH: A possible ACTH secreting tumour of the pituitary developing in a conventionally treated case of Addison's disease. Clin Endocrinol (Oxf) 9(2):131-9, Aug 78  
 \*ADDISON'S DISEASE, complications/ ADDISON'S DISEASE, drug therapy/ ADDISON'S DISEASE, physiopathology/ CASE REPORT/  
 CORTICOTROPIN, blood/ \*CORTICOTROPIN, secretion/ CORTISONE, therapeutic use/  
 DEXAMETHASONE, therapeutic use/ FEMALE/ FLUDROCORTISONE, therapeutic use/ HUMAN/ HYDROCORTISONE, therapeutic use/ MIDDLE AGE/ \*PITUITARY NEOPLASMS, secretion
1684. Hinshaw LB, Coalson JJ, Benjamin BA, et al: Escherichia coli shock in the baboon and the response to adrenocorticosteroid treatment. Surg Gynecol Obstet 147(4):545-57, Oct 78  
 ANIMAL/ BLOOD PRESSURE/ DISEASE MODELS, ANIMAL/ ENDOTOXINS/ ESCHERICHIA COLI/ FEMALE/ MALE/  
 \*METHYLPREDNISOLONE, therapeutic use/  
 MONKEYS/ PAPIO/ SHOCK, SEPTIC, blood/  
 \*SHOCK, SEPTIC, drug therapy/ SHOCK, SEPTIC, etiology/ SHOCK, SEPTIC, physiopathology/  
 UNITED STATES GOV'T SUPPORTED
1685. Hirai H: [Carcinofetal antigens (author's transl)] Tanpakushitsu Kakusan Koso 23(6):579-93, May 78 (127 ref.) (Jpn)  
 \*ALPHA FETOPROTEINS, analysis/ ALPHA FETOPROTEINS, biosynthesis/ ALPHA FETOPROTEINS, secretion/ ANIMAL/  
 \*CARCINOEMBRYONIC ANTIGEN, analysis/  
 DNA, biosynthesis/ ESTROGENS, metabolism/  
 FEMALE/ HEPATOMA, blood/ HEPATOMA, EXPERIMENTAL, blood/ HUMAN/ LIVER NEOPLASMS, blood/ LYMPHOCYTE TRANSFORMATION/ MALE/ MESONEPHROMA, secretion/ NEOPLASMS, EXPERIMENTAL, secretion/ RATS/ REVIEW
1686. Hirai H, Shida M, Igei I, et al: [A case of Bence Jones protein kappa type myeloma with adult Fanconi syndrome (author's transl)] Rinsho Ketsueki 19(3):234-9, Mar 78 (Eng. Abstr.) (Jpn)  
 ADULT/ \*BENCE JONES PROTEIN, analysis/  
 CASE REPORT/ ENGLISH ABSTRACT/  
 \*FANCONI SYNDROME, etiology/ HUMAN/  
 \*IMMUNOGLOBULINS, KAPPA CHAIN, analysis/  
 \*IMMUNOGLOBULINS, LIGHT CHAIN, analysis/  
 MALE/ \*MULTIPLE MYELOMA, complications
1687. Hirao J, Izumi N, Nemoto H, et al: [Hyperglycemic hyperosmolar nonketotic coma in a patient with hypothalamic tumor—a case study] Horumon To Rinsho 26(1):51-6, Jan 78 (Jpn)  
 ADOLESCENCE/ \*BRAIN NEOPLASMS, complications/ CASE REPORT/ \*DIABETIC COMA, complications/ FEMALE/ HUMAN/  
 \*HYPERGLYCEMIC HYPEROSMOLAR NONKETOTIC COMA, complications/  
 \*HYPOTHALAMUS
1688. Hirasawa Y, Suzuki M: [Vitamin D therapy of renal failure] Nippon Rinsho Suppl:2304-5, May 78 (Jpn)  
 DIHYDROTACHYSTEROL, administration & dosage/  
 DIHYDROTACHYSTEROL, therapeutic use/  
 HUMAN/ \*KIDNEY FAILURE, CHRONIC, drug therapy/ VITAMIN D, administration & dosage/  
 \*VITAMIN D, therapeutic use
1689. Hirooka M: [Cockayne's syndrome and Nail-patella syndrome] Nippon Rinsho Suppl:1474-5, May 78 (Jpn)  
 \*ABNORMALITIES, MULTIPLE/ HUMAN/  
 INFANT/ \*NAIL-PATELLA SYNDROME/  
 PROGERIA/ SYNDROME
1690. Hirooka Y, Hollander CS, Suzuki S, et al: Somatostatin inhibits release of thyrotropin releasing factor from organ cultures of rat hypothalamus. Proc Natl Acad Sci USA 75(9):4509-13, Sep 78  
 HYPOTHALAMUS, drug effects/  
 \*HYPOTHALAMUS, secretion/ KINETICS/  
 NOREPINEPHRINE, antagonists & inhibitors/  
 NOREPINEPHRINE, pharmacodynamics/ ORGAN



# AUTHOR SECTION

- CULTURE/ RADIOIMMUNOASSAY/ RATS/  
\*SOMATOTROPIN RELEASE INHIBITING  
HORMONE, pharmacodynamics/ TEMPERATURE/  
\*THYROTROPIN RELEASING HORMONE,  
secretion/ UNITED STATES GOV'T SUPPORTED,  
P.H.S.
1691. Hirosawa K, Yamada E: Localization of vitamin A-storing cells  
in the mouse adrenal gland: an electron microscopic  
autoradiographic study. *Am J Anat* 153(2) Oct 78  
ADRENAL CORTEX, metabolism/ ADRENAL  
CORTEX, ultrastructure/ ADRENAL GLANDS,  
metabolism/ \*ADRENAL GLANDS, ultrastructure/  
ADRENAL MEDULLA, metabolism/ ADRENAL  
MEDULLA, ultrastructure/ ANIMAL/  
AUTORADIOGRAPHY/ FEMALE/  
HISTOCYTOCHEMISTRY/ MALE/ MICE/  
\*VITAMIN A, metabolism
1692. Hirose H: [Voice disorders in women caused by adverse actions  
of drugs] *Nippon Rinsho Suppl*:1864-5, May 78 (Jpn)  
ADULT/ ANABOLIC STEROIDS, adverse effects/  
ANDROGENS, adverse effects/ FEMALE/ HUMAN/  
\*VOICE DISORDERS, chemically induced
1693. Hirose T, Ikeda T, Aoki E, et al: [The protective effect of  
PG I2 on increased lung vascular permeability caused by  
endotoxin in dogs (author's transl)]  
*Nippon Kyobu Shikkan Gakkai Zasshi* 16(6):410-7, Jun 78  
(Eng. Abstr.) (Jpn)  
ANIMAL/ \*CAPILLARY PERMEABILITY, drug  
effects/ \*ENDOTOXINS, pharmacodynamics/  
ENGLISH ABSTRACT/ FROGS/  
PROSTAGLANDINS E, physiology/  
PROSTAGLANDINS F, physiology/  
\*PROSTAGLANDINS X, physiology/  
\*PROSTAGLANDINS, physiology/ PULMONARY  
EDEMA, chemically induced/ \*PULMONARY  
EDEMA, metabolism
1694. Hiroshige T, Fujieda K, Kaneko M, et al: Assays and dynamics  
of corticotropin-releasing factor activity in rat hypothalamus.  
*Ann NY Acad Sci* 297:436-54, 28 Oct 77  
ANIMAL/ \*BIOLOGICAL ASSAY/  
COMPARATIVE STUDY/ \*CORTICOTROPIN  
RELEASING HORMONE, metabolism/  
CORTICOTROPIN, secretion/ CYCLOHEXIMIDE,  
pharmacodynamics/ DEXAMETHASONE,  
pharmacodynamics/ FEMALE/ \*HYPOTHALAMUS,  
metabolism/ IN VITRO/ METHODS/ PITUITARY  
GLAND, ANTERIOR, physiology/ RATS
1695. Hirota Y: [Prospective studies of effects of androstanes on  
aplastic anemia (author's transl)] *Rinsho Ketsueki*  
19(7):955-63, Jul 78 (Eng. Abstr.) (Jpn)  
ADOLESCENCE/ ADULT/ \*ANDROSTANES,  
administration & dosage/ ANDROSTANES, adverse  
effects/ \*ANEMIA, APLASTIC, drug therapy/  
COMPARATIVE STUDY/ ENGLISH ABSTRACT/  
FEMALE/ FLUOXYMESTERONE, administration &  
dosage/ FLUOXYMESTERONE, adverse effects/  
HUMAN/ MALE/ METHENOLONE, administration  
& dosage/ METHENOLONE, adverse effects/  
MIDDLE AGE/ OXYMETHOLONE, administration  
& dosage/ OXYMETHOLONE, adverse effects/  
PROSPECTIVE STUDIES/ REMISSION/ TIME  
FACTORS
1696. Hirsch MJ, Wurtman RJ: Lecithin consumption increases  
acetylcholine concentrations in rat brain and adrenal gland.  
*Science* 202(4364):223-5, 13 Oct 78  
ACETYLCHOLINE, blood/ \*ACETYLCHOLINE,  
metabolism/ \*ADRENAL GLANDS, metabolism/  
ANIMAL/ \*BRAIN, metabolism/ CHOLINE, blood/  
\*CHOLINE, metabolism/ DIET/ DYSKINESIA,  
DRUG-INDUCED, diet therapy/ MALE/  
\*PHOSPHATIDYLCHOLINES, metabolism/  
PHOSPHATIDYLCHOLINES, therapeutic use/  
RATS/ UNITED STATES GOV'T SUPPORTED/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
1697. Hirvonen J, Huttunen P, Vapaatalo H: Effects of reserpine and  
propranolol on urinary excretion of histamine and  
5-hydroxytryptamine in severe cold exposure in normal and  
cold-acclimated Guinea-pigs. *Z Rechtsmed* 82(1):27-36, 28  
Sep 78  
ACCLIMATIZATION/ ANIMAL/ COLD/  
FEMALE/ GUINEA PIGS/ \*HISTAMINE, urine/  
\*HYPOTHERMIA, urine/ MALE/  
\*PROPRANOLOL, pharmacodynamics/  
\*RESERPINE, pharmacodynamics/ \*SEROTONIN,  
urine/ STRESS, metabolism
1698. Hisada K, Tonami N, Miyamae T, et al: Clinical eval  
of tumor imaging with 201 TI chloride. *Radiology*  
129(2):497-500, Nov 78  
AGED/ CHLORIDES, diagnostic use/ HUMAN/  
LIVER NEOPLASMS, radionuclide imaging/  
NEOPLASMS, radionuclide imaging/ MALE/  
MIDDLE AGE/ \*NEOPLASMS, radionuclide  
imaging/ \*RADIOISOTOPES, diagnostic use/  
\*THALLIUM, diagnostic use/ THYROID  
NEOPLASMS, radionuclide imaging
1699. Hitch M: Patient teaching in metabolic bone disease.  
*ONA J* 5(9):10-2, Sep 78  
BONE DISEASES, rehabilitation/ HUMAN/  
\*OSTEITIS DEFORMANS, nursing/  
\*OSTEOMALACIA, nursing/ \*OSTEOPOROS  
nursing/ \*PATIENTS, education
1700. Hitzemann RJ: [3H]GABA transport into discrete sub  
fractions of the developing rat cortex: effect of methi  
*Proc West Pharmacol Soc* 21:1-4, 1978  
ANIMAL/ ANIMALS, NEWBORN/ BIOLOG  
TRANSPORT, drug effects/ BRAIN, drug eff  
BRAIN, growth & development/ \*BRAIN, meta  
FEMALE/ \*GABA, metabolism/ \*METHIMA  
pharmacodynamics/ NERVE ENDINGS, meta  
RATS/ SUBCELLULAR FRACTIONS, drug  
SUBCELLULAR FRACTIONS, metabolism/  
UNITED STATES GOV'T SUPPORTED, P.
1701. Hiwada K, Kokubu T, Tokioka-Terao M: A placental  
membrane-bound arylamidase in serum and ascites  
patient with renal cell carcinoma. *Clin Chim Acta*  
88(2):311-3, 1 Sep 78  
AMINO ACID NAPHTHYLAMIDASES, blo  
\*AMINO ACID NAPHTHYLAMIDASES,  
metabolism/ \*ASCITIC FLUID, enzymology/  
MEMBRANE, enzymology/ FEMALE/ HUM  
\*KIDNEY NEOPLASMS, enzymology/  
\*PLACENTA, enzymology/ PROTEIN BIND
1702. Hlaučo S, Květenký J, Kreze A, et al: Psychotický  
náhlom ukončení steroidnej liečby. *Vnitr Lek* 24(9)  
Sep 78 (Eng. Abstr.)  
\*ADRENAL CORTEX HORMONES, therapy/  
ASTHMA, drug therapy/ CASE REPORT/ \*  
WITHDRAWAL SYMPTOMS/ ENGLISH  
ABSTRACT/ \*HALLUCINATIONS, diagnos  
HUMAN/ MALE/ MIDDLE AGE/ \*PARA  
diagnosis
1703. Hníková O, Kračmar P, Tichá H: Možnosti screenin  
kongenitální hypotyreózy. *Cesk Pediatr* 33(7):395-7  
(Eng. Abstr.)  
ENGLISH ABSTRACT/ HUMAN/  
HYPOTHYROIDISM, congenital/  
\*HYPOTHYROIDISM, diagnosis/ INFANT,  
NEWBORN/ MASS SCREENING, methods
1704. Hodgins DS, Frohlich ED: Cardiac adenylate cyclase  
nucleotide phosphodiesterase and lactate dehydrog  
normotensive and spontaneously hypertensive rats.  
*Biochem Pharmacol* 27(8):1179-85, 1978  
\*ADENYL CYCLASE, metabolism/ ANIMA  
\*HYPERTENSION, enzymology/ KINETICS  
\*LACTATE DEHYDROGENASE, metabolism  
\*MYOCARDIUM, enzymology/  
NOREPINEPHRINE, pharmacodynamics/ R  
RATS, INBRED STRAINS/ STIMULATION  
CHEMICAL/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ \*3',5'-CYCLIC AMP  
PHOSPHODIESTERASE, metabolism
1705. Hodgson AJ, Funder JW: Glucocorticoid receptors  
guinea pig. *Am J Physiol* 235(3):R115-20, Sep 78  
ADRENAL CORTEX HORMONES,  
pharmacodynamics/ ANIMAL/ BINDING,  
COMPETITIVE/ CATS/ CYTOPLASM, met  
\*DEXAMETHASONE, metabolism/ DRUG  
RESISTANCE/ FEMALE/ \*GUINEA PIGS  
metabolism/ \*KIDNEY, metabolism/ \*LIVER  
metabolism/ MALE/ RATS/ \*RECEPT  
GLUCOCORTICOID, metabolism/ \*RECEP  
STEROID, metabolism/ SPECIES SPECIFIC
1706. Hodgson BJ, Dumas S, Bolling DR, et al: Effect of  
on sensitivity of rabbit bladder and urethra to pheny  
*Invest Urol* 16(1):67-9, Jul 78  
ANIMAL/ \*BLADDER, drug effects/ BLA



## AUTHOR SECTION

innervation/ BLADDER, physiology/ CASTRATION/  
\*ESTRADIOL, pharmacodynamics/ FEMALE/ IN  
VITRO/ MUSCLE CONTRACTION, drug effects/  
\*MUSCLES, physiology/ \*PHENYLEPHRINE,  
pharmacodynamics/ PREGNANCY/ RABBITS/  
\*URETHRA, drug effects/ URETHRA, innervation/  
URETHRA, physiology

Hofbauer KG, Bauereiss K, Konrads A, et al: Renal  
vasoconstriction in glycerol-induced acute renal failure.  
Studies in the isolated perfused rat kidney.  
Clin Sci Mol Med 55(3):249-52, Sep 78  
ANIMAL/ GLOMERULAR FILTRATION RATE/  
GLYCERIN/ IN VITRO/ KIDNEY FAILURE,  
ACUTE, chemically induced/ \*KIDNEY FAILURE,  
ACUTE, physiopathology/ \*KIDNEY, blood supply/  
MALE/ RATS/ RENIN, secretion/ VASCULAR  
RESISTANCE/ \*VASOCONSTRICTION

Hoffman LH, DiPietro DL, McKenna TJ: Effects of  
indomethacin on uterine capillary permeability and blastocyst  
development in rabbits. Prostaglandins 15(5):823-8, May 78  
ANIMAL/ \*BLASTOCYST, drug effects/  
BLASTOCYST, growth & development/  
\*CAPILLARY PERMEABILITY, drug effects/  
FEMALE/ GESTATIONAL AGE/  
\*INDOMETHACIN, pharmacodynamics/ OVARY,  
drug effects/ PREGNANCY/ RABBITS/ UNITED  
STATES GOV'T SUPPORTED, P.H.S./ UTERUS,  
blood supply/ \*UTERUS, drug effects

Hoffman WE, Schmid PG, Phillips MI: Central cholinergic and  
noradrenergic stimulation in spontaneously hypertensive rats.  
J Pharmacol Exp Ther 206(3):644-51, Sep 78  
ANIMAL/ CARBACHOL, pharmacodynamics/  
\*CENTRAL NERVOUS SYSTEM, drug effects/  
COMPARATIVE STUDY/ HEXAMETHONIUM  
COMPOUNDS, pharmacodynamics/  
\*HYPERTENSION, physiopathology/ MALE/  
NOREPINEPHRINE, pharmacodynamics/  
PHENTOLAMINE, pharmacodynamics/  
PRESSORECEPTORS, drug effects/ RATS/ UNITED  
STATES GOV'T SUPPORTED/ UNITED STATES  
GOV'T SUPPORTED, P.H.S./ \*VASOMOTOR  
SYSTEM, physiopathology/ VASOPRESSINS,  
pharmacodynamics

Hoffman WH, Perrin JC, Halac E, et al: Acromegalic gigantism  
and tuberous sclerosis. J Pediatr 93(3):478-80, Sep 78  
\*ACROMEGALY, etiology/ ADENOMA,  
EOSINOPHILIC, etiology/ CASE REPORT/  
CHILD/ \*GIGANTISM, etiology/ HUMAN/ MALE/  
PITUITARY NEOPLASMS, etiology/ \*TUBEROUS  
SCLEROSIS, complications

Hoffman-Liebermann B, Sachs L: Regulation of actin and other  
proteins in the differentiation of myeloid leukemic cells.  
Cell 14(4):825-34, Aug 78  
\*ACTIN, biosynthesis/ \*CELL DIFFERENTIATION/  
CELL LINE/ COLONY-STIMULATING FACTOR,  
pharmacodynamics/ DEXAMETHASONE,  
pharmacodynamics/ GRANULOCYTES/  
MACROPHAGES/ MURAMIDASE, biosynthesis/  
NEOPLASM PROTEINS, analysis/ \*NEOPLASM  
PROTEINS, biosynthesis

Hoffmann K: Photoperiodic mechanism in hamsters: the  
participation of the pineal gland. pp. 94-102.  
In: Assenmacher I, Farner DS, ed. Environmental  
endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.  
(39 ref.)

AGING/ ANIMAL/ COMPARATIVE STUDY/  
GENITALIA, MALE, physiology/ \*HAMSTERS,  
physiology/ LIGHT/ MALE/ MELATONIN,  
physiology/ MONOGRAPH/ ORGAN WEIGHT/  
\*PERIODICITY/ \*PINEAL BODY, physiology/  
REVIEW/ SPECIES SPECIFICITY/ TESTIS, growth  
& development/ TESTIS, physiology

Hoffmann K: Effect of castration on photoperiodically induced  
weight gain in the Djungarian hamster.  
Naturwissenschaften 65(9):494, Sep 78  
ANIMAL/ \*BODY WEIGHT/ \*CASTRATION/  
\*CIRCADIAN RHYTHM/ MALE/ RATS

Hofman LE, Moline C, McGrath G, et al: Use of the vertical  
rotor to facilitate estrogen and progesterone receptor  
analysis. Clin Chem 24(9):1609-11, Sep 78  
\*BREAST NEOPLASMS, analysis/  
CENTRIFUGATION, DENSITY GRADIENT,  
instrumentation/ CENTRIFUGATION, DENSITY

GRADIENT, methods/ COMPARATIVE STUDY/  
FEMALE/ HUMAN/ \*RECEPTORS, ESTROGEN,  
analysis/ \*RECEPTORS, PROGESTERONE, analysis

1715. Hohlerová R, Jaklová J: Modification of the Grimelius and  
de Grandi method and its value for demonstrating  
argyrophilia of endocrine polypeptide APUD cells.  
Folia Morphol (Praha) 26(3):272-6, 1978  
ANIMAL/ \*APUD CELLS, cytology/ \*ENDOCRINE  
GLANDS, cytology/ HISTOCYTOCHEMISTRY/  
HUMAN/ MICE/ \*PEPTIDES, metabolism/ RATS/  
\*SILVER NITRATE, diagnostic use/ \*STAINS AND  
STAINING, methods

1716. Hohtola E, Rintamäki H, Hissa R: Differential impairment of  
thermogenesis in the pigeon after chemical sympathectomy.  
Can J Physiol Pharmacol 56(4):578-84, Aug 78  
ADRENAL GLANDS, drug effects/ ANIMAL/  
BEHAVIOR, ANIMAL, drug effects/ \*BODY  
TEMPERATURE REGULATION, drug effects/  
CATECHOLAMINES, metabolism/ FEMALE/  
\*HYDROXYDOPAMINE, pharmacodynamics/  
MALE/ PIGEONS/ \*SYMPATHETIC NERVOUS  
SYSTEM, drug effects/ TIME FACTORS

1717. Høisaeter PA: Effect of a steroidal alkylating agent  
(estramustine phosphate) in rat ventral prostate.  
Scand J Urol Nephrol [Suppl] (46):1-72, 1977  
AMINO ACIDS, metabolism/ ANIMAL/  
ANTINEOPLASTIC AGENTS/ CELL NUCLEUS,  
metabolism/ ESTRADIOL, metabolism/  
ESTRAMUSTINPHOSPHATE, administration &  
dosage/ ESTRAMUSTINPHOSPHATE, metabolism/  
\*ESTRAMUSTINPHOSPHATE, pharmacodynamics/  
ESTRONE, metabolism/ MACROMOLECULAR  
SYSTEMS/ MALE/ MODELS, BIOLOGICAL/  
\*NITROGEN MUSTARD COMPOUNDS,  
pharmacodynamics/ ORGAN CULTURE/  
OXIDOREDUCTASES, metabolism/ \*PROSTATE,  
drug effects/ PROSTATE, metabolism/ RATS/  
RECEPTORS, ANDROGEN, drug effects/  
RECEPTORS, ESTROGEN, drug effects/  
STANOLONE, metabolism/ TESTOSTERONE,  
metabolism/ THYMIDINE, metabolism

1718. Højager B, Peters H, Byskov AG, et al: Follicular development  
in ovaries of children with Down's syndrome.  
Acta Paediatr Scand 67(5):637-43, Sep 78  
ADOLESCENCE/ AGE FACTORS/ CHILD/  
CHILD, PRESCHOOL/ \*DOWN'S SYNDROME,  
pathology/ FEMALE/ \*GRAAFIAN FOLLICLE,  
growth & development/ GRAAFIAN FOLLICLE,  
pathology/ HUMAN/ INFANT/ INFANT,  
NEWBORN/ OOCYTES, pathology/ \*OVARY,  
pathology

1719. Hökfelt T, Ljungdahl A, Steinbusch H, et al:  
Immunohistochemical evidence of substance P-like  
immunoreactivity in some 5-hydroxytryptamine-containing  
neurons in the rat central nervous system. Neuroscience  
3(6):517-38, 1978  
ANIMAL/ COMPARATIVE STUDY/ DOPA  
DECARBOXYLASE, metabolism/ FLUORESCENT  
ANTIBODY TECHNIC/ MALE/ MEDULLA  
OBLONGATA, cytology/ MEDULLA  
OBLONGATA, enzymology/ \*MEDULLA  
OBLONGATA, metabolism/ RAPHE NUCLEI,  
metabolism/ RATS/ RESERPINE, pharmacodynamics/  
\*SEROOTONIN, metabolism/ \*SUBSTANCE P,  
metabolism/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.

1720. Hökfelt T, Terenius L: Receptorfarmakologin (5):  
Opiatreceptorer och endorfiner. Lakartidningen  
75(44):4033-8, 1 Nov 78 (Eng. Abstr.) (Swe)  
CENTRAL NERVOUS SYSTEM, metabolism/  
CHEMISTRY/ \*ENDORPHINS/ ENDORPHINS,  
metabolism/ ENGLISH ABSTRACT/ HUMAN/  
\*RECEPTORS, NARCOTIC/ RECEPTORS,  
NARCOTIC, metabolism

1721. Holcslaw TL, Imhoff L: Alterations in levels of vascular  
histamine in the DOCA-hypertensive rat.  
Clin Exp Pharmacol Physiol 5(4):405-9, Jul-Aug 78  
ANIMAL/ \*BLOOD VESSELS, metabolism/  
DESOXYCORTICOSTERONE, pharmacodynamics/  
\*HISTAMINE, metabolism/ HYPERTENSION,  
chemically induced/ \*HYPERTENSION, metabolism/  
MALE/ RATS/ TIME FACTORS

1722. Holick MF, Clark MB: The photobiogenesis and metabolism

## AUTHOR SECTION

- of vitamin D. *Fed Proc* 37(12):2567-74, Oct 78  
 ANIMAL/ CARRIER PROTEINS, metabolism/  
 \*CHOLECALCIFEROLS, biosynthesis/  
 CHOLESTADIENES, radiation effects/  
 DIHYDROXYCHOLECALCIFEROLS, metabolism/  
 FEEDBACK/ ISOMERISM/ KIDNEY, metabolism/  
 LIVER, metabolism/ MIXED FUNCTION  
 OXIDASES, metabolism/ PHOTOLYSIS/ RATS/  
 \*SKIN, metabolism/ SKIN, radiation effects/  
 ULTRAVIOLET RAYS
1723. Holland OB, Gomez-Sanchez CE, Milewich L: Plasma dehydroepiandrosterone sulfate concentration in essential hypertension. *J Steroid Biochem* 9(7):667-9, Jul 78  
 ADOLESCENCE/ ADULT/ AGE FACTORS/  
 AGED/ CAUCASOID RACE/ COMPARATIVE  
 STUDY/ \*DEHYDROEPIANDROSTERONE,  
 blood/ FEMALE/ HUMAN/ \*HYPERTENSION,  
 blood/ MALE/ MIDDLE AGE/ NEGROID RACE/  
 SEX FACTORS/ UNITED STATES GOV'T  
 SUPPORTED, P.H.S.
1724. Hollander CF, Snell KC: Tumours of the adrenal gland. *IARC Sci Publ* (6):273-93, 1976 (34 ref.)  
 ADENOMA, pathology/ ADRENAL CORTEX  
 NEOPLASMS, pathology/ ADRENAL GLAND  
 NEOPLASMS, etiology/ \*ADRENAL GLAND  
 NEOPLASMS, pathology/ ADRENAL MEDULLA/  
 ANIMAL/ COMPARATIVE STUDY/ DISEASE  
 MODELS, ANIMAL/ FEMALE/  
 GANGLIONEUROMA, pathology/ MALE/  
 NEOPLASMS, EXPERIMENTAL, pathology/  
 NEUROBLASTOMA, pathology/  
 PHEOCHROMOCYTOMA, pathology/ RATS/  
 REVIEW
1725. Holle R, Levy SB, Stone RA: A composite analysis of renin classification methods. *Arch Intern Med* 138(10):1514-9, Oct 78  
 ADULT/ AGE FACTORS/ DIET/ HUMAN/  
 \*HYPERTENSION, classification/ HYPERTENSION,  
 enzymology/ MALE/ METHODS/ POSTURE/  
 \*RENIN, blood/ SODIUM/ UNITED STATES  
 GOV'T SUPPORTED, P.H.S.
1726. Hollister DW: Heritable disorders of connective tissue: Ehlers-Danlos syndrome. *Pediatr Clin North Am* 25(3):575-91, Aug 78 (30 ref.)  
 CHILD/ \*COLLAGEN, metabolism/  
 \*EHLERS-DANLOS SYNDROME/  
 EHLERS-DANLOS SYNDROME, diagnosis/  
 EHLERS-DANLOS SYNDROME, familial & genetic/  
 EHLERS-DANLOS SYNDROME, physiopathology/  
 FEMALE/ GENES, DOMINANT/ GENES,  
 RECESSIVE/ HUMAN/ JOINTS, physiopathology/  
 MALE/ REVIEW/ SEX CHROMOSOME  
 ABNORMALITIES/ SKIN, physiopathology/ X  
 CHROMOSOME
1727. Holloman TL, Schwartz M, Dinno MA, et al: Ionic pathways of secretory membrane of frog gastric mucosa in Cl-free media. *Am J Physiol* 231(6):1649-54, Dec 76  
 ACTION POTENTIALS/ ANIMAL/ CALCIUM,  
 metabolism/ \*CHLORIDES, metabolism/ ELECTRIC  
 CONDUCTIVITY/ FROGS/ \*GASTRIC MUCOSA,  
 metabolism/ GASTRIC MUCOSA, physiology/  
 GASTRIC MUCOSA, secretion/ IN VITRO/ \*ION  
 CHANNELS, metabolism/ MAGNESIUM,  
 metabolism/ MEMBRANE POTENTIALS/  
 POTASSIUM, metabolism/ RANA PIPIENS/  
 SODIUM, metabolism
1728. Holmberg L, Jansson L, Rausing A, et al: Type I congenital dyserythropoietic anaemia with myelopoietic abnormalities and hand malformations. *Scand J Haematol* 21(1):72-9, Jul 78  
 ANEMIA, blood/ \*ANEMIA, congenital/ BONE AND  
 BONES, abnormalities/ BONE AND BONES,  
 radiography/ BONE MARROW, cytology/ CASE  
 REPORT/ \*ERYTHROPOIESIS/ \*HAND,  
 abnormalities/ HAND, radiography/ HUMAN/  
 INFANT, NEWBORN/ \*INFANT, NEWBORN,  
 DISEASES/ INFANT, NEWBORN, DISEASES,  
 blood/ IRON, blood/ KARYOTYPING/ MALE
1729. Holmes WN: Endocrine response in osmoregulation: hormonal adaptation in aquatic birds. pp. 230-9.  
 In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (35 ref.)  
 \*ADAPTATION, PHYSIOLOGICAL/
- ADRENALECTOMY/ ANIMAL/ \*BIRDS,  
 physiology/ CORTICOSTERONE, blood/  
 CORTICOTROPIN, pharmacodynamics/ FRE  
 WATER/ \*HORMONES, physiology/  
 HYDROCORTISONE, pharmacodynamics/  
 MONOGRAPH/ NOSE/ PITUITARY GLA  
 ANTERIOR, physiology/ REVIEW/ SALT  
 physiology/ SEAWATER/ SEBACEOUS GL  
 drug effects/ SEBACEOUS GLANDS, physi  
 UNITED STATES GOV'T SUPPORTED/  
 \*WATER-ELECTROLYTE BALANCE
1730. Holt PJ: In vitro responses of the epidermis to triiodoth  
*J Invest Dermatol* 71(3):202-4, Sep 78  
 ADULT/ \*EPIDERMIS, drug effects/ EPID  
 metabolism/ HUMAN/ MALE/  
 TRIIODOTHYRONINE, metabolism/  
 \*TRIIODOTHYRONINE, pharmacodynamics
1731. Hommes OR: Intensieve behandeling van chronisch  
 progressieve multiplere sclerose met immunosuppre  
*Ned Tijdschr Geneesk* 122(41):1545-51, 14 Oct 7  
 Abstr.)  
 ACTIVITIES OF DAILY LIVING/ CHRON  
 DISEASE/ CLINICAL RESEARCH/  
 CYCLOPHOSPHAMIDE, administration & do  
 DRUG THERAPY, COMBINATION/ DRUG  
 TOLERANCE/ ENGLISH ABSTRACT/ FE  
 FOLLOW-UP STUDIES/ HUMAN/  
 IMMUNOSUPPRESSIVE AGENTS, adverse  
 \*IMMUNOSUPPRESSIVE AGENTS, therape  
 MALE/ \*MULTIPLE SCLEROSIS, drug the  
 PREDNISONE, administration & dosage/ REM
1732. Honda M, Den K, Kanbegawa A, et al: Plasma level  
 18-hydroxy-11-deoxycorticosterone in essential  
 hypertension. *Endocrinol Jpn* 25(3):237-43, Jun 78  
 ADULT/ ALDOSTERONE, blood/ ANGIOT  
 II, diagnostic use/ CIRCADIAN RHYTHM/  
 COMPARATIVE STUDY/ CORTICOTROP  
 diagnostic use/ \*DESOXYCORTICOSTERON  
 analogs & derivatives/ DEXAMETHASONE,  
 diagnostic use/ FUROSEMIDE, diagnostic use  
 HUMAN/ \*HYPERTENSION, blood/ MALI  
 MIDDLE AGE/ NORMAL VALUES/ POT  
 CHLORIDE, diagnostic use/  
 \*18-HYDROXYDESOXYCORTICOSTERON  
 blood
1733. Honda M, Ueda Y, Tsuchiya M, et al: Pathogenesis of  
 hypertension with low renin: responses of plasma  
 activity to various stimulation tests in essential hype  
*Jpn Circ J* 42(5):613-9, May 78  
 ADULT/ ANGIOTENSIN II, diagnostic use/  
 CIRCADIAN RHYTHM/ CORTICOTROPIN  
 diagnostic use/ DEXAMETHASONE, diagnos  
 HUMAN/ \*HYPERTENSION, enzymology/  
 HYPERTENSION, etiology/ MALE/  
 METYRAPONE, diagnostic use/ MIDDLE A  
 \*RENIN, blood
1734. Honma Y, Kasukabe T, Hozumi M: Structure requirem  
 affinity of steroids to bind with receptor for induc  
 differentiation of cultured mouse myeloid leukemia  
*Gan* 68(4):405-12, Aug 77  
 ANIMAL/ \*CELL DIFFERENTIATION, dr  
 effects/ CELLS, CULTURED/ DEXAMETHA  
 metabolism/ DEXAMETHASONE,  
 pharmacodynamics/ HYDROCORTISONE,  
 metabolism/ \*HYDROCORTISONE,  
 pharmacodynamics/ HYDROXYPROGESTER  
 metabolism/ \*HYDROXYPROGESTERONES  
 pharmacodynamics/ LEUKEMIA, MYELOCY  
 analysis/ \*LEUKEMIA, MYELOCYTIC, path  
 MICE/ \*RECEPTORS, GLUCOCORTICOID  
 analysis/ \*RECEPTORS, STEROID, analysis/  
 STRUCTURE-ACTIVITY RELATIONSHIP
1735. Honma Y, Kasukabe T, Hozumi M: Relationship bet  
 leukemogenicity and in vivo inducibility of normal  
 differentiation in mouse myeloid leukemia cells.  
*J Natl Cancer Inst* 61(3):837-41, Sep 78  
 ANIMAL/ CELL DIFFERENTIATION, drug  
 DEXAMETHASONE, pharmacodynamics/ DI  
 RESISTANCE/ FEMALE/ GRANULOCYTO  
 pathology/ LEUKEMIA, EXPERIMENTAL, pat  
 therapy/ LEUKEMIA, EXPERIMENTAL, pat  
 LEUKEMIA, MYELOCYTIC, drug therapy/  
 \*LEUKEMIA, MYELOCYTIC, pathology/  
 MACROPHAGES, pathology/ MALE/ MICE/



# AUTHOR SECTION

- INBRED STRAINS/ NEOPLASM  
TRANSPLANTATION/ TRANSPLANTATION,  
ISOGENEIC
36. Honma Y, Kasukabe T, Hozumi M: Induction of lysozyme activity by adenosine 3':5' cyclic monophosphate in cultured mouse myeloid leukemic cells.  
Biochem Biophys Res Commun 82(4):1246-50, 29 Jun 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ CELL LINE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME INDUCTION, drug effects/ HYDROLASES, metabolism/ KINETICS/ LEUKEMIA, EXPERIMENTAL, enzymology/ LYSOSOMES, enzymology/ \*MURAMIDASE, biosynthesis
37. Honoré LH: Postpubertal untreated cryptorchidism. Anatomical relationship between Leydig cells and tubular sclerosis. Urol Int 33(4):245-51, 1978  
ADOLESCENCE/ ADULT/ AGED/  
\*CRYPTORCHISM, pathology/ HUMAN/ \*LEYDIG CELLS, pathology/ MALE/ MIDDLE AGE/ NECROSIS/ \*TESTIS, pathology
38. Honour JW, Tourniaire J, Biglieri EG, et al: Urinary steroid excretion in 17 alpha-hydroxylase deficiency. J Steroid Biochem 9(6):495-505, Jun 78  
CORTICOSTERONE, urine/  
DESOXYCORTICOSTERONE, urine/ HUMAN/  
HYDROCORTISONE, urine/  
HYDROXYPROGESTERONES, urine/ MALE/  
MIDDLE AGE/ MODELS, BIOLOGICAL/  
PREGNENOLONE, urine/ PROGESTERONE, urine/  
\*STEROID HYDROXYLASES, deficiency/  
\*STEROID-17-HYDROXYLASE, deficiency/  
STERIODS, analysis/ \*STERIODS, urine/  
17-KETOSTEROIDS, urine
39. Hooper AC: Muscles and bones of large and small mice compared at equal body weights. J Anat 127(1):117-23, Sep 78  
ANIMAL/ BIOMETRY/ \*BODY WEIGHT/ \*BONE AND BONES, anatomy & histology/ COMPARATIVE STUDY/ MALE/ MICE/ \*MUSCLES, anatomy & histology/ ORGAN WEIGHT
40. Hooper RG, Beechler CR, Johnson MC: Radioisotope scanning in the initial staging of bronchogenic carcinoma. Am Rev Respir Dis 118(2):279-86, Aug 78  
ADULT/ AGED/ BONE AND BONES, radionuclide imaging/ BONE NEOPLASMS, radionuclide imaging/ BRAIN NEOPLASMS, radionuclide imaging/ BRAIN, radionuclide imaging/ \*CARCINOMA, BRONCHOGENIC, pathology/ CARCINOMA, BRONCHOGENIC, radionuclide imaging/ EVALUATION STUDIES/ FEMALE/ HUMAN/  
LIVER NEOPLASMS, radionuclide imaging/ LIVER, radionuclide imaging/ \*LUNG NEOPLASMS, pathology/ LUNG NEOPLASMS, radionuclide imaging/ MALE/ MIDDLE AGE/ \*NEOPLASM METASTASIS, radionuclide imaging/ NEOPLASM STAGING/ PROSPECTIVE STUDIES/ RETROSPECTIVE STUDIES
41. Hoover DB, Muth EA, Jacobowitz DM: A mapping of the distribution of acetylcholine, choline acetyltransferase and acetylcholinesterase in discrete areas of rat brain. Brain Res 153(2):295-306, 22 Sep 78  
\*ACETYLCHOLINE, metabolism/  
\*ACETYLCHOLINESTERASE, metabolism/  
ANIMAL/ \*BRAIN MAPPING/ \*BRAIN, enzymology/ CAUDATE NUCLEUS, enzymology/  
\*CHOLINE ACETYLTRANSFERASE, metabolism/  
CORPUS CALLOSUM, enzymology/  
HYPOTHALAMUS, enzymology/ LIMBIC SYSTEM, enzymology/ MALE/ MESENCEPHALON, enzymology/ RATS/ THALAMIC NUCLEI, enzymology
42. Hopkins DA, Holstege G: Amygdaloid projections to the mesencephalon, pons and medulla oblongata in the cat. Exp Brain Res 32(4):529-47, 15 Aug 78  
\*AMYGDALOID BODY, anatomy & histology/  
ANIMAL/ AUTORADIOGRAPHY/ CATS/  
\*INTERNEURONS/ INTERNEURONS, physiology/  
LATERALITY/ LOCUS COERULEUS, anatomy & histology/  
\*MEDULLA OBLONGATA, anatomy & histology/  
\*PONS, anatomy & histology/ RED NUCLEUS, anatomy & histology/ RETICULAR FORMATION, anatomy & histology/ SUBSTANTIA NIGRA, anatomy & histology/ \*TEGMENTUM
- MESENCEPHALI, anatomy & histology
1743. Horan JD, Johnson JD: Flunisolide nasal spray in the treatment of perennial rhinitis. Can Med Assoc J 119(4):334-8, 26 Aug 78  
ADMINISTRATION, INTRANASAL/  
ADOLESCENCE/ ADULT/ AGED/ CHRONIC DISEASE/ CLINICAL RESEARCH/  
DOUBLE-BLIND METHOD/ FEMALE/  
\*FLUOCINOLONE ACETONIDE, analogs & derivatives/ FLUOCINOLONE ACETONIDE, administration & dosage/ HAY FEVER, blood/ HAY FEVER, diagnosis/ \*HAY FEVER, drug therapy/ HUMAN/ HYDROCORTISONE, blood/ MALE/ MIDDLE AGE/ PLACEBOS
1744. Hori T, Ishijima B, Manaka S, et al: [Study of the human temporal lobe epilepsy using the depth electrode recording (author's transl)] No To Shinkei 30(6):645-57, Jun 78 (Eng. Abstr.) (Jpn)  
ADOLESCENCE/ ADULT/ AMYGDALOID BODY, physiopathology/ CASE REPORT/ CHILD/ ELECTRODES, IMPLANTED/  
\*ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ \*EPILEPSY, TEMPORAL LOBE, physiopathology/ EPILEPSY, TEMPORAL LOBE, surgery/ FEMALE/ HIPPOCAMPUS, physiopathology/ HUMAN/ MALE/ PSYCHOSURGERY/ SLEEP, REM
1745. Hormia M: Diffuse cerebral sclerosis, melanoderma and adrenal insufficiency (adreno-leukodystrophy). Acta Neurol Scand 58(2):128-33, Aug 78  
\*ADRENAL GLAND DISEASES/ ADRENAL GLAND DISEASES, pathology/ ADRENAL GLAND HYPOFUNCTION, pathology/ ADRENAL GLANDS, pathology/ ADULT/ BRAIN, pathology/ CASE REPORT/ HUMAN/ MALE/  
MELANOCYTES, pathology/ MIDDLE AGE/  
\*PIGMENTATION DISORDERS/  
PIGMENTATION DISORDERS, pathology/ SKIN, pathology/ SYNDROME
1746. Horn AS: Structure-activity relationships of serotonin neurotoxins: effects on serotonin uptake. Ann NY Acad Sci 305:128-33, 12 Jun 78  
ANIMAL/ IN VITRO/ RATS/ \*SEROTONIN ANTAGONISTS, pharmacodynamics/ \*SEROTONIN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ TRYPTAMINES, pharmacodynamics
1747. Horňák M, Zvara V: Hodnota lymfografie u pacientov s nádorami testis. Bratisl Lek Listy 70(1):83-90, Jul 78 (Eng. Abstr.) (Slo)  
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ HUMAN/ LYMPH NODES, pathology/ \*LYMPHOGRAPHY/ MALE/ TESTICULAR NEOPLASMS, pathology/ \*TESTICULAR NEOPLASMS, radiography
1748. Horne CH, Thomson AW, Towler CM, et al: Relationship of pregnancy-associated alpha2-glycoprotein (alpha2-PAG) to peripheral blood leucocytes. Scand J Immunol 8(1):75-80, 1978  
\*ALPHA MACROGLOBULINS/ ALPHA MACROGLOBULINS, analysis/ ALPHA MACROGLOBULINS, pharmacodynamics/ CELLS, CULTURED/ ESTROGENS, pharmacodynamics/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ HUMAN/  
IMMUNOELECTROPHORESIS/  
IMMUNOGLOBULINS, FC/ LEUKOCYTES, immunology/ \*LEUKOCYTES, metabolism/ MALE/ MONOCYTES, immunology/ \*PREGNANCY/ ROSETTE FORMATION/ STAINS AND STAINING
1749. Hornych A: Prostaglandins and high blood pressure. Contrib Nephrol 12:54-68, 1978 (56 ref.)  
ADULT/ AGED/ BLOOD PRESSURE/ HUMAN/  
\*HYPERTENSION, physiopathology/  
\*HYPERTENSION, RENAL, physiopathology/  
\*KIDNEY DISEASES, physiopathology/ MIDDLE AGE/ \*PROSTAGLANDINS, blood/ REVIEW
1750. Hornych A, Fontaliran F, Safar M, et al: Prostaglandins in renovascular and renal hypertension. Contrib Nephrol 11:189-96, 1978  
ADOLESCENCE/ ADULT/ BLOOD PRESSURE/ HUMAN/ \*HYPERTENSION, RENAL, blood/

# AUTHOR SECTION

- HYPERTENSION, RENAL, enzymology/  
HYPERTENSION, RENAL, physiopathology/  
HYPERTENSION, RENOVASCULAR, blood/  
HYPERTENSION, RENOVASCULAR, enzymology/  
HYPERTENSION, RENOVASCULAR,  
physiopathology/ MIDDLE AGE/  
PROSTAGLANDINS A, blood/  
PROSTAGLANDINS B, blood/  
PROSTAGLANDINS E, blood/  
PROSTAGLANDINS F, blood/  
\*PROSTAGLANDINS, blood/ RENIN, blood
1751. Horský J, Stroufová A, Herzmann J: Nová modifikace lh-rh testu s dvoji odpovědí pro zpřesnění diagnostiky v gynekologické endokrinologii. *Cesk Gynekol* 43(8):583-8, Sep 78 (Eng. Abstr.) (Cze)  
ENGLISH ABSTRACT/ FEMALE/ HUMAN/  
\*LH-FSH RELEASING HORMONE, secretion/  
\*MENSTRUATION DISORDERS, diagnosis/  
\*PITUITARY FUNCTION TESTS, methods
1752. Horský J, Stroufová A, Herzmann J: Clinical methods for the assessment of the sensitivity of the adenopituitary and ovary. *Czech Med* 1(3):153-5, 1978  
FEMALE/ GONADOTROPINS, CHORIONIC,  
administration & dosage/ HUMAN/ LH-FSH  
RELEASING HORMONE, diagnostic use/  
MENOTROPINS, administration & dosage/ OVARY,  
drug effects/ \*OVARY, physiology/ \*PITUITARY  
FUNCTION TESTS, methods/ PITUITARY GLAND,  
ANTERIOR, physiology
1753. Horton WA, Rotter JI, Rimoin DL, et al: Standard growth curves for achondroplasia. *J Pediatr* 93(3):435-8, Sep 78  
\*ACHONDROPLASIA, physiopathology/ BODY  
HEIGHT/ CEPHALOMETRY/ FEMALE/  
HUMAN/ MALE/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
1754. Horton WA, Rimoin DL, Lachman RS, et al: The phenotypic variability of diastrophic dysplasia. *J Pediatr* 93(4):609-13, Oct 78  
ADULT/ BIOPSY/ BODY HEIGHT/ CHILD,  
PRESCHOOL/ DWARFISM, diagnosis/  
\*DWARFISM, familial & genetic/ DWARFISM,  
pathology/ FEMALE/ HUMAN/ ILIUM, pathology/  
MALE/ PHENOTYPE/ RIBS, pathology/  
SYNDROME/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
1755. Horwitz JP, Misra RS, Rozhin J, et al: IV. Synthesis and assay of analogs of adenosine 3',5'-diphosphate as inhibitors of bovine adrenal estrogen sulfotransferase. *Biochim Biophys Acta* 525(2):364-72, 7 Aug 78  
\*ADENINE NUCLEOTIDES, antagonists &  
inhibitors/ ADENINE NUCLEOTIDES, chemical  
synthesis/ \*ADRENAL GLANDS, enzymology/  
ANIMAL/ CATTLE/ ESTRONE/ KINETICS/  
STRUCTURE-ACTIVITY RELATIONSHIP/  
\*SULFURTRANSFERASES, antagonists & inhibitors/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
1756. Horwitz RI, Feinstein AR: Alternative analytic methods for case-control studies of estrogens and endometrial cancer. *N Engl J Med* 299(20):1089-94, 16 Nov 78  
AGED/ DILATATION AND CURETTAGE/  
\*EPIDEMIOLOGIC METHODS/ ESTROGENS,  
administration & dosage/ \*ESTROGENS, adverse  
effects/ FEMALE/ HUMAN/ HYSTERECTOMY/  
MENOPAUSE/ MIDDLE AGE/ OBESITY,  
complications/ PARITY/ \*RESEARCH DESIGN/  
RISK/ TIME FACTORS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ UTERINE HEMORRHAGE,  
chemically induced/ \*UTERINE NEOPLASMS,  
chemically induced/ UTERINE NEOPLASMS,  
diagnosis/ UTERINE NEOPLASMS, occurrence
1757. Höser N, Dawczynski H, Winnefeld K, et al: Kontrolle des mitochondrialen Mg++-Efflux. *Acta Biol Med Ger* 37(1):19-29, 1978 (Eng. Abstr.) (Ger)  
ANIMAL/ BIOLOGICAL TRANSPORT, drug  
effects/ CALCIUM, metabolism/ CALCIUM,  
pharmacodynamics/ ENGLISH ABSTRACT/ EGTA,  
pharmacodynamics/ FEMALE/ \*MAGNESIUM,  
metabolism/ MITOCHONDRIA, LIVER, drug effects/  
\*MITOCHONDRIA, LIVER, metabolism/  
MITOCHONDRIAL SWELLING, drug effects/  
PHOSPHATES, pharmacodynamics/ RATS
1758. Hoskins DD, Brandt H, Acott TS: Initiation of sperm motility in the mammalian epididymis. *Fed Proc* 37(11):2534-42, Sep 78 (46 ref.)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ADENOSINE TRIPHOSPHATASE,  
metabolism/ ADENOSINE TRIPHOSPHATE,  
metabolism/ ANDROGEN ANTAGONISTS,  
metabolism/ ANDROGENS, metabolism/ ANIMAL  
BINDING SITES/ CATTLE/  
CHROMATOGRAPHY, GEL/ \*EPIDIDYMIS,  
physiology/ GLYCOPROTEINS, metabolism/  
GUINEA PIGS/ HAMSTERS/ HORSES/ HUM.  
MALE/ PHOSPHODIESTERASE INHIBITORS/  
metabolism/ RABBITS/ RATS/ REVIEW/ SHE  
\*SPERM MOTILITY/ SULFHYDRYL  
COMPOUNDS, metabolism/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
1759. Hosoi K, Aoyama K, Tomomura A, et al: Effect of autologous agents on the amount of androgen-dependent granule convoluted tubular cells of the mouse submandibular gland. *Can J Physiol Pharmacol* 56(4):634-41, Aug 78  
ADRENERGIC ALPHA RECEPTOR AGONISTS,  
pharmacodynamics/ ADRENERGIC ALPHA  
RECEPTOR BLOCKADERS, pharmacodynamics/  
ADRENERGIC BETA RECEPTOR BLOCKADERS,  
pharmacodynamics/ \*ANDROGENS,  
pharmacodynamics/ ANIMAL/ \*AUTONOMIC  
DRUGS, pharmacodynamics/ \*CYTOPLASMIC  
GRANULES, drug effects/ IN VITRO/ MALE/  
MICE/ MICE, INBRED ICR/ SUBMANDIBULAR  
GLAND, drug effects/ \*SUBMANDIBULAR  
GLAND, ultrastructure
1760. Hosokawa Y, Yamaguchi K, Kohashi N, et al: Decrease of liver cysteine dioxygenase (cysteine oxidase) activity mediated by glucagon. *J Biochem (Tokyo)* 84(2):419-24, 78  
ADRENAL GLANDS, physiology/ ANIMAL/  
CYCLOHEXIMIDE, pharmacodynamics/  
CYSTEINE/ DACTINOMYCIN, pharmacodynamics/  
DIBUTYRYL CYCLIC AMP, pharmacodynamics/  
DRUG SYNERGISM/ GLUCAGON, antagonist/  
inhibitors/ \*GLUCAGON, pharmacodynamics/  
\*LIVER, enzymology/ MALE/ \*OXYGENASE/  
antagonists & inhibitors/ RATS/ THEOPHYLLINE,  
pharmacodynamics
1761. Hosoki H, Takahara J, Ofuji T: [Effects of various amino acids on hypothalamic somatostatin volume]. *Horumon To Rinsho* 26(6):529-32, Jun 78  
\*AMINES, pharmacodynamics/ ANIMAL/ \*GABA,  
pharmacodynamics/ HYDROXYTRYPTOPHAN,  
pharmacodynamics/ \*HYPOTHALAMUS, analysis/  
LEVODOPA, pharmacodynamics/ MALE/ RAT/  
\*SOMATOTROPIN RELEASE INHIBITING  
HORMONE, analysis/ SOMATOTROPIN, blood
1762. Hotz J, Goebell H, Ziegler R: Magensekretion und exokrine Pankreasfunktion bei Patienten mit medullärem Schilddrüsenkarzinom sowie mit Morbus Paget unter Therapie mit Calcitonin. *Z Gastroenterol* 16(9):547-52, 78 (Eng. Abstr.)  
ADAPTATION, PHYSIOLOGICAL/ AGED/  
\*CALCITONIN, therapeutic use/ CASE REPORT/  
ENGLISH ABSTRACT/ FEMALE/ \*GASTRIC  
JUICE, secretion/ HUMAN/ MIDDLE AGE/  
OSTEITIS DEFORMANS, drug therapy/  
\*PANCREATIC JUICE, secretion/ THYROID  
NEOPLASMS, drug therapy
1763. House SM: Post-traumatic nitrogen metabolism in the elderly. *Nurs Times* 74(35):1457-9, 31 Aug 78  
AGED/ CALCIUM/ DIET/ \*FEMORAL NEURITIS/  
FRACTURES, metabolism/ \*GERIATRIC  
NURSING/ HUMAN/ \*NITROGEN, metabolism/  
VITAMIN D
1764. Houslay MD: Lysolecithin is a selective reversible inhibitor of mitochondrial monoamine oxidase. *Biochem Pharmacol* 27(8):1287-8, 1978  
ANIMAL/ BENZYLAMINES, metabolism/ IN  
VITRO/ KINETICS/  
\*LYSOPHOSPHATIDYLCHOLINES,  
pharmacodynamics/ \*MITOCHONDRIA, LIVER,  
enzymology/ \*MONOAMINE OXIDASE  
INHIBITORS/ RATS/ SEROTONIN, metabolism/  
TIME FACTORS
1765. Hove K, Steen JB: Blood flow, calcium deposition and loss in reindeer antlers. *Acta Physiol Scand* 104(1):12-17, Sep 78  
ANIMAL/ \*ANTLERS/ ANTLERS, blood supply



# AUTHOR SECTION

- ANTLERS, growth & development/ ANTLERS, metabolism/ \*BODY TEMPERATURE REGULATION/ BODY TEMPERATURE/ \*CALCIUM, metabolism/ ELECTROMAGNETICS/ EXERTION/ FLOWMETERS/ \*HORNS/ HORNS, blood supply/ MALE/ \*REINDEER, physiology/ SEASONS
66. Howell SL, Tyhurst M: Role of microtubules in the intracellular transport of growth hormone. *Cell Tissue Res* 190(1):163-71, 26 Jun 78  
COLCHICINE, pharmacodynamics/ CULTURE MEDIA/ GOLGI APPARATUS, drug effects/ GOLGI APPARATUS, metabolism/ MALE/ MICROTUBULES, drug effects/ \*MICROTUBULES, metabolism/ \*PITUITARY GLAND, ANTERIOR, metabolism/ RATS/ \*SOMATOTROPIN, metabolism/ THEOPHYLLINE, pharmacodynamics/ TISSUE CULTURE/ VINBLASTINE, pharmacodynamics
67. Hradec J, Cech E: Hormon stimulující melanocyty u žen, aktivita v moči a v krvi v průběhu těhotenství. *Cas Lek Cesk* 117(27):832-5, 7 Jul 78 (Eng. Abstr.) (Cze)  
ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MSH, blood/ \*MSH, metabolism/ MSH, urine/ \*PREGNANCY
68. Hsia JC, Tan CT: Membrane immunoassay: principle and applications of spin membrane immunoassay. *Ann NY Acad Sci* 308:139-48, 1978  
ANTIGENS, analysis/ COMPLEMENT ACTIVATION/ CYTOTOXICITY, IMMUNOLOGIC/ ELECTRON SPIN RESONANCE, methods/ \*IMMUNOASSAY, methods/ \*LIPOSOMES, immunology/ \*MEMBRANES, ARTIFICIAL/ SPIN LABELS/ THYROXINE, analysis
69. Hsu HH, Anderson HC: Calcification of isolated matrix vesicles and reconstituted vesicles from fetal bovine cartilage. *Proc Natl Acad Sci USA* 75(8):3805-8, Aug 78  
ADENOSINE TRIPHOSPHATASE, metabolism/ ANIMAL/ \*BONE MATRIX, physiology/ \*CALCIFICATION, PHYSIOLOGIC/ CALCIUM, pharmacodynamics/ \*CARTILAGE, physiology/ CATTLE/ DEOXYCHOLIC ACID, pharmacodynamics/ IN VITRO/ MAGNESIUM, pharmacodynamics/ MICROSCOPY, ELECTRON/ NUCLEOTIDES, metabolism/ PHOSPHORUS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
70. Hsu HK, Peng MT: Hypothalamic neuron number of old female rats. *Gerontology* 24(6):434-40, 1978  
\*AGING/ ANIMAL/ CELL NUMBER/ FEMALE/ \*HYPOTHALAMUS, cytology/ HYPOTHALAMUS, ANTERIOR, cytology/ \*NEURONS, physiology/ PREOPTIC AREA, cytology/ RATS
71. Hsueh AJ, Erickson GF, Yen SS: Sensitization of pituitary cells to luteinizing hormone releasing hormone by clomiphene citrate in vitro. *Nature* 273(5657):57-9, 4 May 78  
ANIMAL/ CELLS, CULTURED/ \*CLOMIPHENE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SYNERGISM/ ESTRADIOL, pharmacodynamics/ FEMALE/ \*LH, secretion/ LH-FSH RELEASING HORMONE, pharmacodynamics/ \*PITUITARY GLAND, drug effects/ PITUITARY GLAND, ANTERIOR, drug effects/ RATS
72. Huang K: Effect of interferon on phagocytosis. *Tex Rep Biol Med* 35:350-6, 1977 (23 ref.)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ CELLS, CULTURED/ DRUG SYNERGISM/ HUMAN/ IN VITRO/ \*INTERFERON, pharmacodynamics/ \*MACROPHAGES, drug effects/ MACROPHAGES, immunology/ MICE/ \*PHAGOCYTOSIS, drug effects/ REVIEW
73. Hubbard SM, Barkes P, Young RC: Adriamycin therapy for advanced ovarian carcinoma recurrent after chemotherapy. *Cancer Treat Rep* 62(9):1375-7, Sep 78  
ADULT/ AGED/ \*CARCINOMA, drug therapy/ DOXORUBICIN, administration & dosage/ \*DOXORUBICIN, therapeutic use/ DRUG EVALUATION/ FEMALE/ HUMAN/ MIDDLE AGE/ NEOPLASM RECURRENCE, LOCAL/ \*OVARIAN NEOPLASMS, drug therapy
1774. Huber A: Kontrazeptionsberatung bei jungen Mädchen. *Fortschr Med* 96(33):1638-42, 7 Sep 78 (Ger)  
ADOLESCENCE/ \*CONTRACEPTION/ CONTRACEPTIVES, ORAL, HORMONAL/ DELAYED-ACTION PREPARATIONS/ \*FAMILY PLANNING, methods/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES/ PROGESTERONE/ SPERMATOCIDAL AGENTS
1775. Huckins C: Spermatogonial intercellular bridges in whole-mounted seminiferous tubules from normal and irradiated rodent testes. *Am J Anat* 153(1):97-121, Sep 78  
ANIMAL/ MALE/ MICE/ MITOSIS/ RATS/ \*SEMINIFEROUS TUBULES, cytology/ \*SPERMATOGONIA, cytology/ SPERMATOGONIA, radiation effects/ \*SPERMATOZOA, cytology/ \*TESTIS, cytology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1776. Huffman DH, Kampmann JP, Hignite CE, et al: Gynecomastia induced in normal males by spironolactone. *Clin Pharmacol Ther* 24(4):465-73, Oct 78  
ADULT/ ANDROSTENEDIONE, blood/ ESTROGENS, blood/ \*GYNECOMASTIA, chemically induced/ GYNECOMASTIA, metabolism/ HUMAN/ LH, blood/ MALE/ METABOLIC CLEARANCE RATE, drug effects/ PROGESTERONE, blood/ \*SPIRONOLACTONE, pharmacodynamics/ TESTOSTERONE, blood/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1777. Hughes RA, Newsom-Davis JM, Perkin GD, et al: Controlled trial prednisolone in acute polyneuropathy. *Lancet* 2(8093):750-3, 7 Oct 78  
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ CLINICAL RESEARCH/ DISABILITY EVALUATION/ DRUG EVALUATION/ FOLLOW-UP STUDIES/ HUMAN/ MIDDLE AGE/ \*POLYRADICULONEURITIS, drug therapy/ POLYRADICULONEURITIS, rehabilitation/ PREDNISOLONE, administration & dosage/ \*PREDNISOLONE, therapeutic use/ RANDOM ALLOCATION/ TIME FACTORS
1778. Hugo JM, Ungerer MJ, Erasmus FR, et al: Maligne hipertermie in 'n Swart kind. 'n Gevalbespreking. *S Afr Med J* 53(20):807-10, 20 May 78 (Eng. Abstr.) (Afr)  
CASE REPORT/ CHILD/ CREATINE KINASE, blood/ CREATINE KINASE, genetics/ CRYOTHERAPY/ ENGLISH ABSTRACT/ HALOTHANE, adverse effects/ HUMAN/ HYDROCORTISONE, therapeutic use/ IN VITRO/ MALE/ \*MALIGNANT HYPERTHERMIA/ MALIGNANT HYPERTHERMIA, chemically induced/ MALIGNANT HYPERTHERMIA, drug therapy/ MUSCLES, drug effects/ PROCAINAMIDE, therapeutic use
1779. Huhtaniemi I: Sukupuolirauhausten hormonitoiminta ennen murrosikää. *Duodecim* 94(10):625-32, 1978 (Fin)  
ADOLESCENCE/ AGE FACTORS/ \*ANDROGENS, secretion/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ GONADOTROPINS, CHORIONIC, secretion/ \*GONADOTROPINS, PITUITARY, secretion/ HUMAN/ HYPOTHALAMUS, physiology/ INFANT/ INFANT, NEWBORN/ MALE/ PREGNANCY/ TESTIS, physiology/ TESTOSTERONE, secretion
1780. Huidobro-Toro JP, Foree B, Way EL: Single dose tolerance and cross tolerance studies with the endorphins in isolated guinea pig ileum. *Proc West Pharmacol Soc* 21:381-6, 1978  
ANIMAL/ DRUG TOLERANCE/ \*ENDORPHINS, pharmacodynamics/ GUINEA PIGS/ ILEUM, drug effects/ IN VITRO/ \*MUSCLE CONTRACTION, drug effects/ \*MUSCLE, SMOOTH, drug effects/ NARCOTICS, pharmacodynamics
1781. Hulbert AJ: The thyroid hormones: a thesis concerning their action. *J Theor Biol* 73(1):81-100, 6 Jul 78 (101 ref.)  
ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ BODY TEMPERATURE/ CELL MEMBRANE, physiology/ HIBERNATION/ MEMBRANE LIPIDS, physiology/ MITOCHONDRIA, metabolism/ PROTEINS, biosynthesis/ RECEPTORS, HORMONE, metabolism/ REVIEW/ THYROID HORMONES, metabolism/ \*THYROID HORMONES, physiology



## AUTHOR SECTION

1782. Hull MG, Monro PP, Gillmer MD: Plasma unconjugated oestriol in late pregnancy: circadian variation and the effect of meals and a glucose load. *Br J Obstet Gynaecol* 85(9):645-51, Sep 78  
ADOLESCENCE/ ADULT/ CIRCADIAN RHYTHM/ \*ESTRIOL, blood/ FEMALE/ FOOD/ GLUCOSE, metabolism/ HUMAN/ \*PREGNANCY TRIMESTER, THIRD/ PREGNANCY
1783. Hulter HN, Sigala JF, Sebastian A: K<sup>+</sup> deprivation potentiates the renal alkalosis-producing effect of mineralocorticoid. *Am J Physiol* 235(4):F298-309, Oct 78  
ADRENALECTOMY/ \*ALKALOSIS, chemically induced/ ANIMAL/ BLOOD/ \*CHLORIDES, metabolism/ \*DESOXYCORTICOSTERONE/ DOGS/ FEMALE/ HYDROGEN-ION CONCENTRATION/ KIDNEY, drug effects/ \*KIDNEY, metabolism/ NATRIURESIS, drug effects/ \*POTASSIUM DEFICIENCY, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ URINE, analysis/ WATER-ELECTROLYTE BALANCE, drug effects
1784. Humphrey PP: The effects of alpha-adrenoceptor antagonists on contractile responses to 5-hydroxytryptamine in dog saphenous vein. *Br J Pharmacol* 63(4):671-5, Aug 78  
ADRENERGIC ALPHA RECEPTOR AGONISTS, pharmacodynamics/ \*ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ \*BLOOD VESSELS, drug effects/ COCAINE, pharmacodynamics/ DOGS/ IN VITRO/ METHOXAMINE, pharmacodynamics/ \*MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ NOREPINEPHRINE, pharmacodynamics/ SAPHENOUS VEIN, drug effects/ \*SEROTONIN, pharmacodynamics/ SYROSINGOPINE, pharmacodynamics
1785. Humphrey RR, Windsor BL, Jones DC, et al: The effects of luteinizing hormone releasing hormone (LHRH) in pregnant rats. 2. Prenatal effects and delayed parturition. *Biol Reprod* 19(1):84-91, Aug 78  
ANIMAL/ EMBRYO, drug effects/ FEMALE/ FETAL RESORPTION, chemically induced/ \*LH-FSH RELEASING HORMONE, pharmacodynamics/ \*NIDATION, drug effects/ ORGAN WEIGHT, drug effects/ PREGNANCY/ \*PREGNANCY, ANIMAL, drug effects/ \*PRENIDATION PHASE, ANIMAL, drug effects/ RATS/ TIME FACTORS/ UTERUS, anatomy & histology
1786. Hurwitz L, McGuffee LJ: Calcium in smooth muscle function. pp. 75-93.  
In: Weiss GB, ed. Calcium in drug action. New York, Plenum Press, 1978. QV 276 S989c 1977. (53 ref.)  
ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, metabolism/ \*CALCIUM, physiology/ IN VITRO/ MODELS, BIOLOGICAL/ MONOGRAPH/ \*MUSCLE CONTRACTION/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ \*MUSCLE, SMOOTH, physiology/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1787. Husag L, Krauer W, Probst C: Spontaneous intraorbitalis Hämatom. *Schweiz Arch Neurol Psychiatr* 122(2):187-203, 1978 (Eng. Abstr.) (Ger)  
ACUTE DISEASE/ ADOLESCENCE/ BLINDNESS, etiology/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ EXOPHTHALMOS, etiology/ \*EYE DISEASES/ FEMALE/ \*HEMATOMA/ HEMATOMA, complications/ HEMATOMA, radiography/ HUMAN/ \*ORBIT/ ORBIT, surgery/ REMISSION/ TOMOGRAPHY, COMPUTERIZED AXIAL
1788. Husson A, Vaillant R: Contrôle des activités de l'argininosuccinate synthétase, de l'argininosuccinase et de l'arginase à la naissance chez le rat. *Can J Biochem* 56(7):734-7, Jul 78 (Eng. Abstr.) (Fre)  
ADRENALECTOMY/ ANIMAL/ \*ANIMALS, NEWBORN, metabolism/ ANIMALS, SUCKLING, metabolism/ \*ARGINASE, metabolism/ \*ARGININOSUCCINATE LYASE, metabolism/ \*ARGININOSUCCINATE SYNTHETASE, metabolism/ ENGLISH ABSTRACT/ FEMALE/
- GESTATIONAL AGE/ \*LIGASES, metabolism/ \*LIVER, enzymology/ \*LYASES, metabolism/ PREGNANCY/ RATS/ STARVATION
1789. Hutchison GB, Rothman KJ: Correcting a bias? [editorial] *N Engl J Med* 299(20):1129-30, 16 Nov 78  
\*EPIDEMIOLOGIC METHODS/ ESTROGENS, administration & dosage/ \*ESTROGENS, adverse effects/ FEMALE/ HUMAN/ \*RESEARCH DESIGN/ RISK/ SAMPLING STUDIES/ TIME FACTORS/ UTERINE HEMORRHAGE, chemically induced/ \*UTERINE NEOPLASMS, chemically induced/ UTERINE NEOPLASMS, diagnosis/ UTERINE NEOPLASMS, occurrence
1790. Hyne RV, Murdoch RN, Boettcher B: The metabolism and motility of human spermatozoa in the presence of steroid hormones and synthetic progestagens. *J Reprod Fertil* 53(2):315-22, Jul 78  
ENERGY METABOLISM, drug effects/ \*ESTRADIOL, pharmacodynamics/ HUMAN/ IN VITRO/ \*LYNETHRENOL, pharmacodynamics/ MALE/ \*NORETHYNODREL, pharmacodynamics/ \*PROGESTERONE, pharmacodynamics/ \*SPERM MOTILITY, drug effects/ SPERMATOZOA, drug effects/ \*SPERMATOZOA, metabolism
1791. Hynne S, Smrt J: Effects of adenosine 5'-phosphate esters on lipid hydroxy compounds (adenosine nucleolipids) on the activity of enzymes of cyclic AMP system. *FEBS Lett* 94(2):339-41, 15 Oct 78  
\*ADENOSINE MONOPHOSPHATE, analogs & derivatives/ ADENOSINE MONOPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, metabolism/ ANIMAL/ ESTERS/ \*GLYCERIDE, pharmacodynamics/ PROTEIN KINASE, metabolism/ RATS/ TISSUE DISTRIBUTION/ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism
1792. Hyttel J: Effects of neuroleptics on 3H-haloperidol and 3H-cis(Z)-flupenthixol binding and on adenylate cyclase activity in vitro. *Life Sci* 23(6):551-5, 14 Aug 78  
\*ADENYL CYCLASE, metabolism/ ANIMAL/ BRAIN, drug effects/ \*BRAIN, metabolism/ CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, metabolism/ DOPAMINE, pharmacodynamics/ \*FLUPENTHIXOL, metabolism/ \*HALOPERIDOL, metabolism/ IN VITRO/ MALE/ RATS/ \*THIOXANTHENES, metabolism/ \*TRANQUILIZING AGENTS, MAJOR, pharmacodynamics
- ### I
1793. Iacobelli S, Ranelletti FO, Longo P, et al: Discrepancies between in vivo and in vitro effects of glucocorticoids in myelomonocytic leukemic cells with steroid receptors. *Cancer Res* 38(11 Pt 2):4257-62, Nov 78  
BINDING, COMPETITIVE/ CASE REPORT/ COMPARATIVE STUDY/ DNA, NEOPLASM, biosynthesis/ \*GLUCOCORTICOIDS, SYNTHETIC/ pharmacodynamics/ HUMAN/ IN VITRO/ INFAN LEUKEMIA, MYELOBLASTIC, blood/ \*LEUKEMIA, MYELOBLASTIC, drug therapy/ LEUKEMIA, MYELOBLASTIC, metabolism/ LEUKOCYTE COUNT/ MALE/ NEOPLASM PROTEINS, biosynthesis/ \*NEOPLASMS, HORMONE-DEPENDENT, drug therapy/ \*RECEPTORS, GLUCOCORTICOID/ RECEPTORS, GLUCOCORTICOID, metabolism/ \*RECEPTORS, STEROID/ RECEPTORS, STEROID, metabolism/ RNA, NEOPLASM, biosynthesis/ STEROIDS, metabolism/ TRIAMCINOLONE ACETONIDE, metabolism
1794. Iakovleva ND: Raspredelenie glikogena v intaktnom i regeneriruiushchem épidermise sobak i porosit v raznykh éksperimental'nykh usloviakh. *Vestn Dermatol Venerol* (8):56-60, Aug 78 (Eng. Abstr.) (R)  
ANIMAL/ DOGS/ ENGLISH ABSTRACT/ \*EPIDERMIS, metabolism/ EPIDERMIS, physiology/ FEMALE/ GAMMA RAYS, adverse effects/ \*GLYCOGEN, metabolism/ HYDROCORTISONE, pharmacodynamics/ MALE/ RADIATION INJURIES, EXPERIMENTAL, physiopathology/ \*REGENERATION/ REGENERATION, drug effects/ REGENERATION, radiation effects/ SWINE TIME FACTORS



## AUTHOR SECTION

795. Iarovskii GV, Shevchuk SG, Girina NI, et al: Profilakticheskoe lechenie obzidanom i nerobolilom bol'nykh ishemicheskoi bolezni'u serdtsa v ambulatornykh usloviakh. Vrach Delo (6):16-8, Jun 78 (Eng. Abstr.) (Rus)  
AMBULATORY CARE/ \*ANABOLIC STEROIDS, therapeutic use/ \*CORONARY DISEASE, drug therapy/ CORONARY DISEASE, prevention & control/ ENGLISH ABSTRACT/ HUMAN/ \*NANDROLONE, analogs & derivatives/ NANDROLONE, therapeutic use/ PHENYLPROPIONATES, therapeutic use/ \*PROPRANOLOL, therapeutic use
796. Iarilin AA, Polushkina EF: Kolichestvennye vzaimootnosheniia populatsii T- i B-kletok limfoidnykh organov myshel. Tsitologiya 20(7):802-7, Jul 78 (Eng. Abstr.) (Rus)  
ANIMAL/ \*B-LYMPHOCYTES/ CELL COUNT/ COMPARATIVE STUDY/ CORTISONE, pharmacodynamics/ ENGLISH ABSTRACT/ LYMPH NODES, cytology/ \*LYMPHOID TISSUE, cytology/ MALE/ MICE, INBRED CBA/ ORGAN SPECIFICITY/ PEYER'S PATCHES, cytology/ SPLEEN, cytology/ \*T-LYMPHOCYTES/ T-LYMPHOCYTES, drug effects/ THYMUS GLAND, cytology
797. Iashchenko BP, Iakimets VP: Kompleksnoe lechenie buterkuleza legkikh v starcheskom vozraste. Vrach Delo (8):106-9, 1978 (Eng. Abstr.) (Rus)  
ADRENAL CORTEX HORMONES, therapeutic use/ AGED/ ANTIRETICULAR CYTOTOXIC SERUM, therapeutic use/ ANTI-TUBERCULAR AGENTS, therapeutic use/ DRUG THERAPY, COMBINATION, methods/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ TIME FACTORS/ TUBERCULOSIS, MILIARY, drug therapy/ \*TUBERCULOSIS, PULMONARY, drug therapy
798. Iavorskii AN, Liubimov BI: O khronobiologicheskoi aspekto mekhanizma deistviia soi leiitii pri eksperimental'nom alkoholizme. Biull Eksp Biol Med 86(8):194-7, Aug 78 (Eng. Abstr.) (Rus)  
\*ALCOHOLISM, drug therapy/ ALCOHOLISM, prevention & control/ ALCOHOLISM, physiopathology/ ANIMAL/ \*CIRCADIAN RHYTHM/ ENGLISH ABSTRACT/ \*LITHIUM, therapeutic use/ MALE/ NUCLEIC ACIDS, metabolism/ PINEAL BODY, metabolism/ PINEAL BODY, physiopathology/ RATS
799. Iavorskii AN: Vliianie khronicheskoi alkoholnoi intoksikatsii na tsirkadnyi ritm tseirosekretnykh tsestrov gipotalamusa krysa. Probl Endokrinol (Mosk) 24(5):63-6, Sep-Oct 78 (Eng. Abstr.) (Rus)  
\*ALCOHOLISM, physiopathology/ ANIMAL/ \*CIRCADIAN RHYTHM, drug effects/ ENGLISH ABSTRACT/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, drug effects/ \*HYPOTHALAMUS, drug effects/ MALE/ \*NEUROSECRETORY SYSTEMS, drug effects/ PARAVENTRICULAR NUCLEUS, drug effects/ RATS/ SUPRAOPTIC NUCLEUS, drug effects/ TIME FACTORS
800. Ibel'son LI, Manevich VI, Momotiu CV, et al: Otsenka timéktomii v lechenii partial'noi krasnokletchnoi aplazii kostnogo mozga. Klin Med (Mosk) 56(8):86-93, Aug 78 (Eng. Abstr.) (Rus)  
ADOLESCENCE/ ADULT/ \*BONE MARROW DISEASES, therapy/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ ERYTHROCYTES, immunology/ FEMALE/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MALE/ MIDDLE AGE/ \*THYMECTOMY/ THYMOMA, drug therapy/ THYMOMA, surgery/ THYMUS NEOPLASMS, drug therapy/ THYMUS NEOPLASMS, surgery
801. Ichii S: [Action mechanism of steroids--with special reference to the nuclear acceptor] Hormon To Rinsho 26(8):737-42, Aug 78 (Jpn)  
ANIMAL/ \*CELL NUCLEUS, metabolism/ \*HORMONES, metabolism/ \*RECEPTORS, STEROID, metabolism/ RNA, biosynthesis
802. Ichikawa A, Saito T: [The function of mast cells and the biological chemistry of granule (author's transl)] Tanpakushitsu Kakusan Koso 23(8):865-77, Jul 78 (123 ref.) (Jpn)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ADENOSINE, physiology/ ANIMAL/ CALCIUM, physiology/ CYTOPLASMIC GRANULES, metabolism/ \*CYTOPLASMIC GRANULES, secretion/ EOSINOPHILS, physiology/ HEPARIN, metabolism/ HISTAMINE, secretion/ MAST CELLS, metabolism/ \*MAST CELLS, secretion/ MICROFILAMENTS, physiology/ MICROTUBULES, physiology/ PEPTIDE HYDROLASES, metabolism/ RATS/ REVIEW/ SARCOMA, EXPERIMENTAL, metabolism/ SARCOMA, MAST CELL, metabolism/ SEROTONIN, secretion
1803. Ichikawa Y, Saito E: [Steroid therapy of autoimmune diseases (including pulse therapy)] Nippon Rinsho Suppl:1192-3, May 78 (Jpn)  
\*AUTOIMMUNE DISEASES, drug therapy/ \*GLUCOCORTICIDS, administration & dosage/ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC, drug therapy
1804. Ichiya Y, Watanabe K, Matsuura K, et al: [Bone scintigraphy of fibrous dysplasia (author's transl)] Rinsho Hoshasen 23(8):899-900, Aug 78 (Jpn)  
ADULT/ \*BONE AND BONES, radionuclide imaging/ CASE REPORT/ FEMALE/ \*FIBROUS DYSPLASIA OF BONE, radionuclide imaging/ HUMAN/ TECHNETIUM, diagnostic use
1805. Iduñate y Carlos D, Rodríguez Hinojosa JB, Rincón Castañeda R, et al: Experiencia clínica con el citrato de clomifen. Ginecol Obstet Mex 43(259):359-64, May 78 (Eng. Abstr.) (Spa)  
AMENORRHEA, drug therapy/ CLINICAL RESEARCH/ \*CLOMIPHENE, therapeutic use/ DRUG EVALUATION/ ENGLISH ABSTRACT/ FEMALE/ GENITAL DISEASES, FEMALE, drug therapy/ HUMAN/ OVULATION, drug effects/ \*STERILITY, FEMALE, drug therapy/ STERILITY, FEMALE, etiology
1806. Ignat'ev AS: Sochetanie adenomy okoloshchitovidnoi zhelezy s adenomatozom shchitovidnoi zhelezy, podzheludochnoi zhelezy i polipozom zheludka. Vestn Khir 121(8):89-90, Aug 78 (Rus)  
\*ADENOMA, pathology/ CASE REPORT/ FEMALE/ HUMAN/ MIDDLE AGE/ \*PANCREATIC NEOPLASMS, pathology/ \*PARATHYROID NEOPLASMS, pathology/ \*POLYPS, pathology/ \*STOMACH NEOPLASMS, pathology/ \*THYROID NEOPLASMS, pathology
1807. Ignat'ev AS: Sochetanie adenomy okoloshchitovidnoi zhelezy s adenomatozom shchitovidnoi zhelezy, podzheludochnoi zhelezy i polipozom zheludka. Vestn Khir 121(8):89-90, Aug 78 (Rus)  
\*ADENOMA, complications/ CASE REPORT/ FEMALE/ HUMAN/ MIDDLE AGE/ \*NEOPLASMS, MULTIPLE PRIMARY, pathology/ \*PANCREATIC NEOPLASMS, complications/ \*POLYPS, complications/ \*STOMACH NEOPLASMS, complications/ \*THYROID NEOPLASMS, complications
1808. Ihle R, Klug H, Haase J, et al: Nichtsezierierende Plasmozytome. Folia Haematol (Leipz) 105(3):312-25, 1978 (Eng. Abstr.) (Ger)  
AGED/ BONE MARROW, ultrastructure/ CASE REPORT/ CYCLOPHOSPHAMIDE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*IMMUNOGLOBULINS, secretion/ MALE/ MELPHALAN, therapeutic use/ MIDDLE AGE/ \*PLASMACYTOMA, diagnosis/ PLASMACYTOMA, drug therapy/ PREDNISOLONE, therapeutic use
1809. Iijima K, Higurashi M, Hirayama M: Incidence of 47,XXX karyotype in a consecutive series of newborn males in Tokyo. Hum Genet 43(2):211-4, 31 Aug 78  
CHEEK, ultrastructure/ CHROMOSOMES, HUMAN/ FEMALE/ HUMAN/ INFANT, NEWBORN/ KARYOTYPING/ MALE/ MOUTH MUCOSA, ultrastructure/ SEX CHROMATIN/ \*SEX CHROMOSOME ABNORMALITIES, occurrence/ TOKYO/ \*XXX KARYOTYPE, occurrence
1810. Iimura O, Abe H, Moriguchi O, et al: Sympathetic nerve activity in patients with essential hypertension--a comparison of the activity among patients with labile and stable, or low, normal and high renin essential hypertension. Jpn Circ J 42(5):599-607, May 78  
ADULT/ AGED/ CATECHOLAMINES, urine/ COMPARATIVE STUDY/ DOPAMINE BETA-HYDROXYLASE, blood/ FEMALE/

# AUTHOR SECTION

- HEMODYNAMICS, drug effects/ HUMAN/  
HYPERTENSION, enzymology/ \*HYPERTENSION,  
physiopathology/ MALE/ MIDDLE AGE/  
NOREPINEPHRINE, pharmacodynamics/ \*RENIN,  
blood/ \*SYMPATHETIC NERVOUS SYSTEM,  
physiopathology
1811. Iinuma K, Higurashi M: [Turner's syndrome, Turner-like  
syndrome and XO/XY mosaicism] Nippon Rinsho  
Suppl:1460-1, May 78 (Jpn)  
FEMALE/ HUMAN/ MALE/ \*MOSAICISM/ \*SEX  
CHROMOSOME ABNORMALITIES/ \*TURNER'S  
SYNDROME
1812. Iivanainen M, Kaste M, Juntunen J, et al: Effect of  
bromocriptine on dystonic-athetoid dyskinesias in mentally  
retarded patients. J Ment Defic Res 22(3):193-6, Sep 78  
ADMINISTRATION, ORAL/ ADOLESCENCE/  
ADULT/ \*ATHETOSIS, drug therapy/  
DOUBLE-BLIND METHOD/ DRUG  
EVALUATION/ FEMALE/ HUMAN/ MALE/  
MENTAL RETARDATION, blood/ \*MENTAL  
RETARDATION, complications/ MIDDLE AGE/  
MOVEMENT DISORDERS, complications/  
\*MOVEMENT DISORDERS, drug therapy/  
\*MUSCLE DYSTONIA, drug therapy/ PROLACTIN,  
blood/ 2-BROMOERGOCRYPTINE, administration &  
dosage/ 2-BROMOERGOCRYPTINE, adverse effects/  
\*2-BROMOERGOCRYPTINE, therapeutic use
1813. Ikegawonu FI, Aire TA: Age-dependent changes in the  
activities of ATPase and some pyridine nucleotide-linked  
enzymes in the chick testis. Biochem Exp Biol 13(2):173-8,  
1977  
\*ADENOSINE TRIPHOSPHATASE, metabolism/  
AGING/ ANIMAL/ BODY WEIGHT/ CHICKENS/  
FEMALE/ \*ISOCITRATE DEHYDROGENASE,  
metabolism/ NAD, pharmacodynamics/ ORGAN  
WEIGHT/ \*SUCCINATE DEHYDROGENASE,  
metabolism/ \*TESTIS, enzymology
1814. Ikekubo K, Konishi J, Nakajima K, et al: Low serum thyroxine  
due to anti-thyroxine antibody. Endocrinol Jpn 25(3):275-9,  
Jun 78  
\*ANTIBODIES/ ANTIGEN-ANTIBODY  
REACTIONS/ CASE REPORT/ FEMALE/  
HUMAN/ IGG/ MIDDLE AGE/  
RADIOIMMUNOASSAY/ \*THYROIDITIS,  
LYMPHOMATOUS, immunology/ THYROXINE,  
blood/ \*THYROXINE, immunology
1815. Ikekubo K, Konishi J, Endo K, et al: Anti-thyroxine and  
anti-triiodothyronine antibodies in three cases of Hashimoto's  
thyroiditis. Acta Endocrinol (Copenh) 89(3):557-66, Nov 78  
ADULT/ AGED/ \*ANTIBODIES/ ANTIBODIES,  
analysis/ AUTORADIOGRAPHY/ CASE REPORT/  
CHROMATOGRAPHY, GEL/  
ELECTROPHORESIS, CELLULOSE ACETATE/  
FEMALE/ HUMAN/ IGG, analysis/ MALE/  
MIDDLE AGE/ POLYETHYLENE GLYCOLS/  
PROTEIN-BOUND IODINE TEST/  
RADIOIMMUNOASSAY/ \*THYROIDITIS,  
LYMPHOMATOUS, immunology/ THYROXINE  
BINDING PROTEIN, analysis/ THYROXINE, blood/  
\*THYROXINE, immunology/  
TRIIODOTHYRONINE, blood/  
\*TRIIODOTHYRONINE, immunology
1816. Ikeno T, MacDonnell PC, Nagaiah K, et al: The permissive  
effect of cortical steroids on the induction of brain ornithine  
decarboxylase by nerve growth factor.  
Biochem Biophys Res Commun 82(3):957-63, 14 Jun 78  
\*ADRENAL CORTEX HORMONES,  
pharmacodynamics/ ADRENALECTOMY/  
ALDOSTERONE, pharmacodynamics/ ANIMAL/  
\*BRAIN, enzymology/ \*CARBOXY-LYASES,  
metabolism/ CORTICOSTERONE,  
pharmacodynamics/ DEXAMETHASONE,  
pharmacodynamics/ INJECTIONS,  
INTRAVENTRICULAR/ MALE/ \*NERVE  
GROWTH FACTOR, pharmacodynamics/  
\*ORNITHINE DECARBOXYLASE, metabolism/  
RATS
1817. Ikuta Y: Method of bone fixation in reattachment of  
amputations in the upper extremities. Clin Orthop  
(133):169-78, Jun 78  
ADOLESCENCE/ ADULT/ \*AMPUTATION,  
TRAUMATIC, surgery/ \*ARM, surgery/ \*BONE  
AND BONES, surgery/ CASE REPORT/ CHILD/  
CHILD, PRESCHOOL/ ELBOW JOINT, surgery/  
FEMALE/ FINGERS, surgery/ FRACTURE  
FIXATION/ HAND, surgery/ HUMAN/ MALL  
MIDDLE AGE/ \*ORTHOPEDIC FIXATION  
DEVICES/ \*REIMPLANTATION, methods/ W/  
JOINT, surgery
1818. Il'in VN: Vlianie stimulatsii preopticheskoi oblasti  
gipotalamusa na aktivnost' otdeľnykh volokon optiches  
trakta u krolikov. Neurofiziologiya 10(5):494-503, 1978  
(Eng. Abstr.)  
ANIMAL/ BRAIN MAPPING/ ELECTRIC  
STIMULATION/ ELECTROPHYSIOLOGY/  
ENGLISH ABSTRACT/ \*HYPOTHALAMUS,  
physiology/ NEURAL INHIBITION/ NEURON  
physiology/ \*PREOPTIC AREA, physiology/  
RABBITS/ REACTION TIME, physiology/  
\*RETINA, cytology/ VISUAL PERCEPTION,  
physiology
1819. Il'inskiĭ IuA, Syzdykov MS, Zhumanbaev KA, et al: Op  
primeneniia kluikokortikosteroidov i magnitnogo polia  
intensivnoi terapii tiazhelykh form virusnogo gepatita  
Sov Med (9):72-4, Sep 78 (Eng. Abstr.)  
ADULT/ CASE REPORT/ ENGLISH ABSTR  
\*GLUCOCORTICOIDS, therapeutic use/  
HEPATITIS, VIRAL, HUMAN, drug therapy/  
\*HEPATITIS, VIRAL, HUMAN, therapy/ HUM  
MAGNETICS/ MALE
1820. Illig L, Paul E: Die Stellung der Antihistaminika in d  
Urtikariatherapie. Hautarzt 29(8):407-15, Aug 78 (45)  
ANTIMALARIALS, therapeutic use/ COLD/  
CORTISONE, therapeutic use/ DOSE-RESPON  
RELATIONSHIP, DRUG/ DRUG TOLERAN  
EPINEPHRINE, therapeutic use/ HISTAMINE  
RECEPTOR BLOCKADERS, adverse effects/  
HISTAMINE H1 RECEPTOR BLOCKADERS  
therapeutic use/ HISTAMINE LIBERATION, c  
effects/ HUMAN/ HYPNOTICS AND SEDATI  
LIGHT/ MAST CELLS, drug effects/ PENICIL  
therapeutic use/ PRURITUS, drug therapy/  
RETROSPECTIVE STUDIES/ REVIEW/  
\*URTICARIA, drug therapy
1821. Imai S: [The lung as a site of inactivation of endogen  
vasoactive substances (author's transl)]  
Nippon Kyobu Shikkan Gakkai Zasshi 16(6):384-9, J  
(Eng. Abstr.)  
\*ADENINE NUCLEOTIDES, metabolism/  
ANIMAL/ \*BIOGENIC AMINES, metabolism/  
DOGS/ ENGLISH ABSTRACT/ HUMAN/ \*L  
metabolism/ \*PEPTIDES, metabolism/  
\*PROSTAGLANDINS, metabolism
1822. Imazeki K, Arimizu N, Kawana M, et al: [TRI-TAB k  
TETRA-TAB kit] Horumon To Rinsho 26(1):107-1,  
78  
HUMAN/ \*RADIOIMMUNOASSAY, methods/  
\*REAGENT KITS, DIAGNOSTIC/ THYROID  
DISEASES, blood/ \*THYROXINE, blood/  
\*TRIIODOTHYRONINE, blood
1823. Imbs JL, Kraetz J, Schmidt M, et al: beta-blocking dru  
renin secretion in the anaesthetized dog.  
Clin Sci Mol Med 48 Suppl 2:105s-107s, Jun 75  
ANIMAL/ AORTA/ DOGS/ ELECTRIC  
STIMULATION/ HEMORRHAGE, physiopatho  
ISCHEMIA/ KIDNEY, innervation/  
\*PROPRANOLOL, pharmacodynamics/ \*RENI  
blood/ \*SOTALOL, pharmacodynamics
1824. Immer H, Abraham NA, Nelson V, et al: Analogs of  
somatostatin. Part A. Chemistry and in vitro results  
Curr Top Mol Endocrinol 3:373-8, 1976  
CHEMISTRY/ CYCLIZATION/ DOSE-RESP  
RELATIONSHIP, DRUG/ ISOMERISM/  
PITUITARY GLAND, ANTERIOR, drug effe  
PITUITARY GLAND, ANTERIOR, secretion/  
RADIOIMMUNOASSAY/ \*SOMATOTROPIN  
RELEASE INHIBITING HORMONE/  
\*SOMATOTROPIN RELEASE INHIBITING  
HORMONE, analogs & derivatives/  
SOMATOTROPIN RELEASE INHIBITING  
HORMONE, pharmacodynamics/ SOMATOTR  
secretion/ STRUCTURE-ACTIVITY  
RELATIONSHIP
1825. Imshinetskaia LP: Gliukokortikoidnaia aktivnost' kory  
nadpocheknikov pri polovyykh rasstroistvakh u muz  
Vrach Delo (8):46-9, 1978 (Eng. Abstr.)



## AUTHOR SECTION

- \*ADRENAL CORTEX, physiopathology/ ADULT/ AGED/ CHRONIC DISEASE/ COMPARATIVE STUDY/ CORTICOTROPIN, diagnostic use/ ENGLISH ABSTRACT/ \*GLUCOCORTICOID, urine/ HUMAN/ MALE/ MIDDLE AGE/ PROSTATITIS, physiopathology/ \*SEX DISORDERS, physiopathology/ 17-HYDROXYCORTICOSTEROIDS, urine
826. Imura H, Nakai Y, Nakao K, et al: [Functioning tumors with special reference to ectopic hormone producing tumors (author's transl)] Tanpakushitsu Kakusan Koso 23(6):641-56, May 78 (67 ref.) (Jpn)  
ANIMAL/ CARCINOID TUMOR, secretion/ CORTICOTROPIN, secretion/ GONADOTROPINS, CHORIONIC, biosynthesis/ GONADOTROPINS, CHORIONIC, secretion/ HORMONES, ECTOPIC, biosynthesis/ HORMONES, ECTOPIC, immunology/ \*HORMONES, ECTOPIC, secretion/ HUMAN/ IN VITRO/ LUNG NEOPLASMS, secretion/ MSH, secretion/ \*NEOPLASMS, secretion/ RATS/ RECEPTORS, HORMONE/ REVIEW/ STOMACH NEOPLASMS, secretion
827. Imura H: [Hormone unresponsiveness--its concepts] Nippon Rinsho Suppl:1502-3, May 78 (Jpn)  
\*ENDOCRINE DISEASES/ \*HORMONES, physiology/ HUMAN/ RECEPTORS, HORMONE, physiology
828. Inaba K, Muramatsu S: Regulatory function of T lymphocytes in the immune response to polyvinyl pyrrolidone. II. Characterization of the intrinsic suppressor and the induced suppressor. Cell Immunol 39(2):276-88, Sep 78  
ANIMAL/ \*ANTIBODY FORMATION/ ANTIGENS/ ANTILYMPHOCYTE SERUM, pharmacodynamics/ CELL ADHESION/ CELL SEPARATION/ FEMALE/ HYDROCORTISONE, pharmacodynamics/ MALE/ MICE/ MICE, INBRED CBA/ POLYVINYLPIRROLIDONE, immunology/ T-LYMPHOCYTES, drug effects/ \*T-LYMPHOCYTES, immunology/ T-LYMPHOCYTES, radiation effects
829. Inada M, Nishikawa M, Oishi M, et al: [Experimental evaluation and clinical application of an ACTH radioimmunoassay ki (CEA-IRE-SORIN)] Horumon To Rinsho 26(8):807-11, Aug 78 (Jpn)  
\*CORTICOTROPIN, blood/ HUMAN/ \*RADIOIMMUNOASSAY, methods/ RADIOIMMUNOASSAY, standards/ \*REAGENT KITS, DIAGNOSTIC, standards
830. Inesi G, Kurzmack M, Verjovski-Almeida S: ATPase phosphorylation and calcium ion translocation in the transient state of sarcoplasmic reticulum activity. Ann NY Acad Sci 307:224-7, 28 Apr 78  
\*ADENOSINE TRIPHOSPHATASE, metabolism/ BINDING SITES/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ \*CALCIUM, metabolism/ EGTA, pharmacodynamics/ IN VITRO/ PHOSPHORYLATION/ \*SARCOPLASMIC RETICULUM, metabolism/ THERMODYNAMICS
831. Inoue S, Bray GA, Mullen YS: Transplantation of pancreatic beta-cells prevents development of hypothalamic obesity in rats. Am J Physiol 235(3):E266-71, Sep 78  
ADIPOSE TISSUE, physiology/ ANIMAL/ BLOOD SUGAR/ \*DIABETES MELLITUS, EXPERIMENTAL, etiology/ FEEDING BEHAVIOR, physiology/ FEMALE/ \*HYPOTHALAMUS, physiology/ \*HYPOTHALAMUS, MEDIAL, physiology/ INSULIN, blood/ ISLANDS OF LANGERHANS, transplantation/ \*OBESITY, etiology/ OBESITY, prevention & control/ PREGNANCY/ RATS/ RATS, INBRED LEW/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*VAGUS NERVE, physiology
832. Inoue T: [Postmenopausal osteoporosis] Nippon Rinsho Suppl:1598-9, May 78 (Jpn)  
ADULT/ AGED/ ANIMAL/ FEMALE/ HUMAN/ \*MENOPAUSE/ MIDDLE AGE/ \*OSTEOPOROSIS/ OSTEOPOROSIS, etiology/ OSTEOPOROSIS, prevention & control/ RATS
833. Ioannesyants IA, Adler VV, Narimov M, et al: Sensitivity of lymphocytes to glucocorticoids. J Steroid Biochem 9(7):649-56, Jul 78  
AMANITINS, pharmacodynamics/ ANIMAL/ \*B-LYMPHOCYTES, drug effects/ B-LYMPHOCYTES, metabolism/ BLOOD CELLS, metabolism/ CELL DIFFERENTIATION/ CELL NUCLEUS, metabolism/ \*DEXAMETHASONE, pharmacodynamics/ LYMPHOCYTE TRANSFORMATION/ MICE/ MOLECULAR WEIGHT/ RNA POLYMERASE I, metabolism/ RNA POLYMERASE II, metabolism/ RNA, blood/ \*T-LYMPHOCYTES, drug effects/ T-LYMPHOCYTES, metabolism
1834. Irwin LN, Terrian DM: Glucosamine incorporation into rat cerebrum: effect of adrenalectomy, corticosterone, exercise, and training. Pharmacol Biochem Behav 9(1):333-7, Jul 78  
\*ADRENALECTOMY/ ANIMAL/ BLOOD SUGAR, metabolism/ CEREBELLUM, drug effects/ \*CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ CONDITIONING, OPERANT, drug effects/ \*CONDITIONING, OPERANT, physiology/ \*CORTICOSTERONE, pharmacodynamics/ ESCAPE REACTION, drug effects/ ESCAPE REACTION, physiology/ \*EXERTION/ \*GLUCOSAMINE, metabolism/ GLYCOPROTEINS, metabolism/ HIPPOCAMPUS, metabolism/ LIVER GLYCOGEN, metabolism/ MALE/ RATS/ SWIMMING
1835. Isaacs JT, Heston WD, Weissman RM, et al: Animal models of the hormone-sensitive and -insensitive prostatic adenocarcinomas. Dunning R-3327-H, R-3327-HI, and R-3327-AT. Cancer Res 38(11 Pt 2):4353-9, Nov 78  
\*ADENOCARCINOMA, metabolism/ ADENOCARCINOMA, pathology/ ADENOCARCINOMA, therapy/ ANIMAL/ COMPARATIVE STUDY/ DISEASE MODELS, ANIMAL/ FEMALE/ MALE/ NEOPLASMS, EXPERIMENTAL, metabolism/ \*NEOPLASMS, HORMONE-DEPENDENT, metabolism/ NEOPLASMS, HORMONE-DEPENDENT, pathology/ NEOPLASMS, HORMONE-DEPENDENT, therapy/ \*PROSTATIC NEOPLASMS, metabolism/ PROSTATIC NEOPLASMS, pathology/ PROSTATIC NEOPLASMS, therapy/ RATS/ \*RECEPTORS, ANDROGEN/ RECEPTORS, ESTROGEN/ \*RECEPTORS, STEROID/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1836. Isaev SI, Pokarzhevskii AD: Rost i polovoe sozrevanie lesnykh myshei pri povyshennom soderzhanii 90Sr v biogeotsenoze. Ekologiya (3):64-8, May-Jun 78 (Rus)  
ANIMAL/ BODY WEIGHT, radiation effects/ FEMALE/ \*GROWTH, radiation effects/ MALE/ SEMINAL VESICLES, radiation effects/ \*SEX MATURATION, radiation effects/ \*STRONTIUM RADIOISOTOPES, adverse effects/ TESTIS, radiation effects/ THYMUS GLAND, radiation effects
1837. Ishida T, Sato H, Hosono O, et al: [Endocrine activities and ultrastructure of functioning nodular goiter] Horumon To Rinsho 26(1):17-23, Jan 78 (Jpn)  
ADULT/ AGED/ FEMALE/ GOITER, NODULAR, blood/ \*GOITER, NODULAR, pathology/ HUMAN/ MALE/ MIDDLE AGE/ \*THYROID GLAND, ultrastructure/ \*THYROID HORMONES, blood/ THYROTROPIN RELEASING HORMONE, blood/ THYROTROPIN, blood/ TRIIODOTHYRONINE, blood
1838. Ishii D, Hibi K, Asai K, et al: Studies of microhigh-performance liquid chromatography. IV. Application of the micro pre-column method to the analysis of corticosteroids in serum. J Chromatogr 156(1):173-80, 21 Aug 78  
\*ADRENAL CORTEX HORMONES, blood/ ANIMAL/ CHROMATOGRAPHY, HIGH SPEED LIQUID, instrumentation/ \*CHROMATOGRAPHY, HIGH SPEED LIQUID, methods/ EVALUATION STUDIES/ HORSES/ MICROCHEMISTRY/ RABBITS
1839. Ishii DN: Effect of tumor promoters on the response of cultured embryonic chick ganglia to nerve growth factor. Cancer Res 38(11 Pt 1):3886-93, Nov 78  
ANIMAL/ BINDING SITES/ CELL SURVIVAL, drug effects/ CELLS, CULTURED/ CHICK EMBRYO/ DOSE-RESPONSE RELATIONSHIP, DRUG/ \*GANGLIA, drug effects/ GANGLIA, embryology/ GANGLIA, AUTONOMIC, drug effects/ GANGLIA, SPINAL, drug effects/ KINETICS/ NERVE GROWTH FACTOR, administration &

# AUTHOR SECTION

- dosage/ \*NERVE GROWTH FACTOR, antagonists & inhibitors/ PHORBOL ESTERS, pharmacodynamics/ \*PHORBOLS, pharmacodynamics/ TETRADECANOYLPHORBOL ACETATE, administration & dosage/ \*TETRADECANOYLPHORBOL ACETATE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1840. Ishii H, Okuno F, Joly JG, et al: Alkoholbedingte störungen des kohlenhydratstoffwechsels. Leber Magen Darm 8(5):247-54, Oct 78 (Eng. Abstr.) (Ger)  
ALCOHOL, ETHYL, adverse effects/ ALCOHOLISM, complications/ \*ALCOHOLISM, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ \*CARBOHYDRATES, metabolism/ ENGLISH ABSTRACT/ GLUCOCORTICOID, physiology/ GLUCONEOGENESIS, drug effects/ GLUCOSE TOLERANCE TEST/ HUMAN/ HYPERGLYCEMIA, etiology/ HYPOGLYCEMIA, etiology/ INTESTINAL ABSORPTION, drug effects/ LIVER CIRRHOSIS, ALCOHOLIC, metabolism/ LIVER, drug effects/ PANCREATITIS, metabolism/ PORTACAVAL ANASTOMOSIS/ RATS
1841. Ishikawa S, Atsumi T, Shimizu N, et al: [A case of hypokalemic myopathy in patient with primary aldosteronism and complicated with thyroid cancer (author's transl)] Rinsho Shinkeigaku 18(8):455-61, Aug 78 (Eng. Abstr.) (Jpn)  
\*ADENOCARCINOMA, complications/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ \*HYPERALDOSTERONISM, complications/ \*HYPOKALEMIA, complications/ MALE/ MIDDLE AGE/ MUSCLES, ultrastructure/ \*MUSCULAR DISEASES, complications/ \*THYROID NEOPLASMS, complications
1842. Ishikawa T: [Transcatheter hemostasis of G.I. bleeding (author's transl)] Rinsho Hoshasen 22(10):941-9, Aug 77 (Eng. Abstr.) (Jpn)  
ADULT/ AGED/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ \*HEMORRHAGE, GASTROINTESTINAL, therapy/ \*HEMOSTATIC TECHNIQUES/ HUMAN/ INFUSIONS, INTRA-ARTERIAL/ MALE/ MIDDLE AGE/ VASOPRESSINS, therapeutic use
1843. Ishikawa T, Takayama S: Ovarian neoplasia in ornamental hybrid carp (Nishikigoi) in Japan. Ann NY Acad Sci 298:330-41, 29 Sep 78  
ANIMAL/ \*CARP/ \*CYPRINIDAE/ DYSGERMINOMA, veterinary/ FEMALE/ FISH DISEASES, etiology/ \*FISH DISEASES, pathology/ GRANULOSA CELL TUMOR, veterinary/ JAPAN/ OVARIAN NEOPLASMS, etiology/ \*OVARIAN NEOPLASMS, veterinary/ TERATOID TUMOR, veterinary/ THECA CELL TUMOR, veterinary
1844. Ishimori A: [New gastrointestinal hormones—clinical studies of disorders of hormone production] Nippon Rinsho Suppl:2094-5, May 78 (Jpn)  
\*GASTROINTESTINAL HORMONES, biosynthesis/ HORMONES, ECTOPIC, biosynthesis/ HUMAN
1845. Ishise S: Hemodynamic and left ventricular volumic alteration in response to isometric handgrip exercise. Jpn Circ J 42(4):411-6, Apr 78  
ADULT/ AUTONOMIC NERVOUS SYSTEM, physiology/ BLOOD PRESSURE/ ECHOCARDIOGRAPHY/ \*EXERTION/ FEMALE/ HEART RATE/ \*HEART, physiology/ \*HEMODYNAMICS/ HUMAN/ MALE/ MIDDLE AGE/ PROPRANOLOL, pharmacodynamics/ RENIN, blood
1846. Isohashi F, Tsukanaka K, Terada M, et al: Restoration by adrenalectomy of weight and binding capacity of glucocorticoid receptors of the thymus in AH 130 tumor-bearing rats. Cancer Res 38(11 Pt 2):4243-5, Nov 78  
\*ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL/ DEXAMETHASONE, metabolism/ MALE/ \*NEOPLASMS, EXPERIMENTAL, metabolism/ NEOPLASMS, EXPERIMENTAL, pathology/ NEOPLASMS, EXPERIMENTAL, therapy/ ORGAN WEIGHT/ RATS/ \*RECEPTORS, GLUCOCORTICOID, metabolism/ \*RECEPTORS, STEROID, metabolism/ \*THYMUS GLAND, metabolism/ THYMUS GLAND, pathology
1847. Israel N, Saez S: Relation between steroid receptor and the response to hormone addition in isolated breast cancer cells in short-term culture. Cancer Res Pt 2:4314-7, Nov 78  
\*BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, metabolism/ DNA, NEOPLASMS, biosynthesis/ ESTRADIOL, pharmacodynamics/ FEMALE/ \*HORMONES, pharmacodynamics/ HUMAN/ HYDROCORTISONE, pharmacology/ IN VITRO/ INSULIN, pharmacodynamics/ NEOPLASMS, EXPERIMENTAL, drug therapy/ \*NEOPLASMS, HORMONE-DEPENDENT, therapy/ NEOPLASMS, HORMONE-DEPENDENT, metabolism/ PLACENTAL LACTOGEN, pharmacodynamics/ \*RECEPTORS, ESTROGEN, \*RECEPTORS, PROGESTERONE
1848. Itakura M, Takebe K, Yoshida I, et al: [Tissue corticoid releasing factor. (1). Demonstration of its presence in Horumon To Rinsho 26(1):93-5, Jan 78  
ANIMAL/ \*CORTICOTROPIN RELEASING HORMONE, blood/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, physiology/ MALE/ RATS
1849. Ito K: [Fanconi's syndrome and Lowe's syndrome] Nippon Rinsho Suppl:1432-3, May 78  
ANIMAL/ DOGS/ \*FANCONI SYNDROME/ HUMAN/ KIDNEY TUBULES, metabolism/ \*OCULOCEREBRORENAL SYNDROME/ \*RENAL TUBULAR TRANSPORT, INBOR, ERRORS
1850. Ito K: [Basedow's disease—recent problems] Nippon Rinsho Suppl:1200-1, May 78  
\*GOITER, EXOPHTHALMIC/ GOITER, EXOPHTHALMIC, familial & genetic/ HUM
1851. Itoh M, Uchimura H, Hirano M, et al: Glutamate decarboxylase activity in preoptic and hypothalamic nuclei of the rat. Experientia 34(8):988-9, 15 Aug 78  
ANIMAL/ \*CARBOXY-LYASES, metabolism/ \*GLUTAMATE DECARBOXYLASE, metabolism/ \*HYPOTHALAMUS, enzymology/ HYPOTHALAMUS, ANTERIOR, enzymology/ HYPOTHALAMUS, MEDIAL, enzymology/ HYPOTHALAMUS, POSTERIOR, enzymology/ MALE/ PREOPTIC AREA, enzymology/ RA
1852. Itzhaki S, Capps MJ: The phosphorylation of salivary chromatin proteins following treatment of rats with dibutyryl cyclic AMP and dibutyryl cyclic GMP. Gen Pharmacol 9(5):355-9, 1978  
ANIMAL/ \*CHROMATIN, drug effects/ CHROMATIN, metabolism/ \*DIBUTYRYL CYCLIC AMP, pharmacodynamics/ \*DIBUTYRYL CYCLIC GMP, pharmacodynamics/ DNA, biosynthesis/ FEMALE/ \*GUANOSINE 3',5'-MONOPHOSPHATE, analogs & derivatives/ PAROTID GLAND, drug effects/ PAROTID GLAND, metabolism/ PHOSPHORYLATION/ RATS/ \*SALIVARY GLANDS, drug effects/ SUBMANDIBULAR GLAND, drug effects/ SUBMANDIBULAR GLAND, metabolism/ THEOPHYLLINE, pharmacodynamics
1853. Iurasova OI: Ob ispol'zovanii radioizotopnykh metodov v gigenicheskoi eksperimente. Gig Sanit (9):72-5, Sep 78  
ANIMAL/ CELL MEMBRANE PERMEABILITY/ GLUCOSE, metabolism/ GUINEA PIGS/ MICE/ \*RADIOISOTOPES/ RATS/ THYROID FUNCTION TESTS/ \*TOXICOLOGY, methods
1854. Ivanov NA: Pobochnye iavleniia i oslozhneniia ot terapii kortikosteroidami u bol'nykh dermatozami. Vestn Dermatol Venerol (10):27-31, Oct 78  
ADMINISTRATION, TOPICAL/ \*ADRENAL GLANDS, HORMONES, adverse effects/ ANTIFUNGAL AGENTS, adverse effects/ ATROPHY/ DOSE-RESPONSE RELATIONSHIP/ DRUG/ FEMALE/ HUMAN/ MALE/ OINTMENTS/ SKIN DISEASES, complication/ \*SKIN DISEASES, drug therapy/ SKIN, drug therapy/ STEROIDS, FLUORINATED, adverse effects/ FACTORS
1855. Ivanov VI, Korchikov DG: O klassifikatsii mnozhestvennykh povrezhdenii oporno-dvigatel'nogo apparata. Ortop Travmatol Protez (8):46-52, Aug 78 (Eng. Abstr.)



# AUTHOR SECTION

\*BONE AND BONES, injuries/ ENGLISH  
ABSTRACT/ HUMAN/ \*MUSCLES, injuries/  
\*WOUNDS AND INJURIES, classification

Iynedjian PB, Hanson RW: Regulation of phosphoenolpyruvate carboxykinase (GTP) synthesis in the kidney.  
Curr Probl Clin Biochem 8:299-309, 23-26 Oct 77  
ACIDOSIS, RENAL TUBULAR, enzymology/  
ANIMAL/ GUANOSINE TRIPHOSPHATE/  
KIDNEY, drug effects/ \*KIDNEY, enzymology/  
KINETICS/ \*PHOSPHOENOLPYRUVATE  
CARBOXYKINASES, metabolism/ RATS/ RNA,  
MESSENGER, metabolism/ TRANSLATION,  
GENETIC/ \*TRIAMCINOLONE, pharmacodynamics

Izmailov GI: Otsenka effektivnosti lechenia bol'nykh  
gipotireozom po urovniu triiodtironina i tiroksina v syvorotke  
krovi. Vrach Delo (6):108-10, Jun 78 (Eng. Abstr.) (Rus)  
ADULT/ ENGLISH ABSTRACT/ FEMALE/  
FOLLOW-UP STUDIES/ HUMAN/  
HYPOTHYROIDISM, blood/ \*HYPOTHYROIDISM,  
drug therapy/ INSULIN, therapeutic use/ MALE/  
MIDDLE AGE/ THYROID HORMONES, therapeutic  
use/ \*THYROXINE, blood/  
\*TRIIODOTHYRONINE, blood

Izumi Y, Honda M, Ueda Y, et al: [Ectopic pheochromocytoma  
with paroxysmal hypertensive symptoms--a case study]  
Nippon Rinsho 36(6):2588-92, 10 Jun 78 (Jpn)  
\*ADRENAL GLAND NEOPLASMS, complications/  
ADRENAL GLAND NEOPLASMS, diagnosis/  
ADULT/ CASE REPORT/ CATECHOLAMINES,  
secretion/ FEMALE/ HUMAN/ \*HYPERTENSION,  
etiology/ \*PHEOCHROMOCYTOMA, complications/  
PHEOCHROMOCYTOMA, diagnosis

## J

Jackett PS, Aber VR, Lowrie DB: Virulence of Mycobacterium  
tuberculosis and susceptibility to peroxidative killing systems.  
J Gen Microbiol 107(2):273-8, Aug 78  
CHLORIDES, pharmacodynamics/ HYDROGEN  
PEROXIDE, pharmacodynamics/ IODIDES,  
pharmacodynamics/ LACTOPEROXIDASE/  
MYCOBACTERIUM TUBERCULOSIS, drug effects/  
\*MYCOBACTERIUM TUBERCULOSIS,  
pathogenicity/ VIRULENCE, drug effects

Jackson AS: Nursing care study: partial thyroidectomy.  
Nurs Times 74(43):1760-3, 26 Oct 78  
ADULT/ CASE REPORT/ FEMALE/ HUMAN/  
\*SURGICAL NURSING/ \*THYROIDECTOMY

Jacobi GH, Sinterhauf K, Kurth KH, et al: Testosterone  
metabolism in patients with advanced carcinoma of the  
prostate: a comparative in vivo study of the effects of  
oestrogen and antiprolactin. Urol Res 6(3):159-65, 1 Sep 78  
DOSE-RESPONSE RELATIONSHIP, DRUG/  
\*ESTRADIOL, therapeutic use/ FSH, blood/  
HUMAN/ LH, blood/ MALE/ \*PROLACTIN,  
antagonists & inhibitors/ PROLACTIN, blood/  
\*PROSTATIC NEOPLASMS, blood/ RECEPTORS,  
ANDROGEN, drug effects/ \*TESTOSTERONE,  
blood/ \*2-BROMOERGOCRYPTINE, therapeutic use

Jacobi GH, Sinterhauf K, Altwein JE: Prostatic carcinoma:  
plasma kinetics and intraprostatic metabolism of testosterone  
in low-dose estrogen-treated patients in vivo. Urology  
12(3):359-64, Sep 78  
AGED/ \*ETHINYL ESTRADIOL, administration &  
dosage/ ETHINYL ESTRADIOL, pharmacodynamics/  
ETHINYL ESTRADIOL, therapeutic use/ FSH, blood/  
HUMAN/ KINETICS/ LH, blood/ MALE/ MIDDLE  
AGE/ \*PROSTATE, metabolism/ \*PROSTATIC  
NEOPLASMS, metabolism/ TESTOSTERONE,  
blood/ \*TESTOSTERONE, metabolism/ TRITIUM

Jacobson B: Hyaluronic acid synthesis in rooster comb. Effect  
of testosterone on nucleotide sugar metabolism.  
Connect Tissue Res 5(4):217-23, 1978  
ANIMAL/ \*CARBOHYDRATE  
DEHYDROGENASES, metabolism/ CHICKENS/  
\*COMB AND WATTLES, metabolism/  
\*GLUCOSEPHOSPHATE  
URIDYLTRANSFERASE, metabolism/  
GLUCOSEPHOSPHATES, pharmacodynamics/  
HEAT/ \*HYALURONIC ACID, biosynthesis/  
MALE/ \*NUCLEOTIDYLTRANSFERASES,  
metabolism/ PAIN, pharmacodynamics/  
\*TESTOSTERONE, physiology/ UNITED STATES

GOV'T SUPPORTED, P.H.S./ \*URIDINE  
DIPHOSPHATE GLUCOSE DEHYDROGENASE,  
metabolism/ URIDINE TRIPHOSPHATE,  
pharmacodynamics

1864. Jacoby JH, Thomas RF: Neuroendocrine consequences of  
chemical indolectomy. Ann NY Acad Sci 305:387-98, 12 Jun  
78 (123 ref.)  
ANIMAL/ BIOGENIC AMINES, physiology/  
CORTICOTROPIN, secretion/ FSH, secretion/  
\*INDOLES, physiology/ LH, secretion/  
\*NEUROSECRETORY SYSTEMS, drug effects/  
PITUITARY HORMONES, ANTERIOR, secretion/  
PROLACTIN, secretion/ REVIEW/ \*SEROTONIN  
ANTAGONISTS, pharmacodynamics/  
SOMATOTROPIN, secretion/ THYROTROPIN,  
secretion/ UNITED STATES GOV'T SUPPORTED,  
P.H.S.

1865. Jadot JP, Petit R: Deux cas de métastases à localisation  
particulière. Acta Urol Belg 46(3):379-88, Jul 78 (Eng.  
Abstr.) (Fre)  
ADENOCARCINOMA, pathology/ \*ADRENAL  
GLAND NEOPLASMS, pathology/ AGED/ CASE  
REPORT/ ENGLISH ABSTRACT/ \*GRANULOSA  
CELL TUMOR, pathology/ HUMAN/ \*KIDNEY  
NEOPLASMS, pathology/ MALE/ MIDDLE AGE/  
\*NEOPLASM METASTASIS/ \*OVARIAN  
NEOPLASMS, pathology/ URETERAL  
NEOPLASMS, pathology

1866. Jaffe RB, Keye WR Jr, Young JR: The role of estradiol in  
modulating LH and FSH response to gonadotropin releasing  
hormone. Curr Top Mol Endocrinol 3:211-54, 1976  
ADOLESCENCE/ ADULT/ DOSE-RESPONSE  
RELATIONSHIP, DRUG/ ESTRADIOL, analogs &  
derivatives/ ESTRADIOL, blood/ ESTRADIOL,  
pharmacodynamics/ \*ESTRADIOL, physiology/  
FEMALE/ \*FSH, blood/ HUMAN/ \*LH, physiology/  
MENSTRUATION/ MENSTRUATION,  
FOLLICULAR PHASE/ PITUITARY HORMONE  
RELEASING HORMONES, metabolism/  
\*PITUITARY HORMONE RELEASING  
HORMONES, pharmacodynamics/ TIME FACTORS/  
UNITED STATES GOV'T SUPPORTED, P.H.S.

1867. Jaffiol C, Robin M: Physiologie de la sécrétion de la prolactine:  
méthodes d'exploration.  
J Gynecol Obstet Biol Reprod (Paris) 7(3 Pt 2):625-33, Apr  
78 (Eng. Abstr.) (Fre)

CORPUS LUTEUM, physiology/ DIURNAL  
RHYTHM/ DOPAMINE, pharmacodynamics/  
ENGLISH ABSTRACT/ ESTROGENS,  
pharmacodynamics/ FEMALE/ HUMAN/  
LACTATION, drug effects/ METHODS/  
OVULATION, drug effects/ PREGNANCY/  
PROLACTIN RELEASE INHIBITING HORMONE,  
physiology/ \*PROLACTIN, physiology/  
PROLACTIN, secretion/ SEROTONIN,  
pharmacodynamics/ THYROTROPIN,  
pharmacodynamics

1868. Jäger M, Baumann D: Beeinflussen operative Mehrfacheingriffe  
die Aktivität der progressiv-chronischen Polyarthrit?  
Verh Dtsch Ges Rheumatol 5:80-4, 1978 (Ger)  
ANTI-INFLAMMATORY AGENTS, therapeutic use/  
\*ARTHRITIS, RHEUMATOID, therapy/ BLOOD  
SEDIMENTATION/ HUMAN/ KNEE JOINT,  
physiopathology/ KNEE JOINT, surgery/  
PREDNISOLONE, therapeutic use/ \*SYNOVIAL  
MEMBRANE, surgery

1869. Jaggi W, Lutz WK, Schlatter C: Covalent binding of  
ethinylestradiol and estrone to rat liver DNA in vivo.  
Chem Biol Interact 23(1):13-8, Oct 78  
ANIMAL/ CARCINOGENS, metabolism/ \*DNA,  
metabolism/ \*ESTRONE, metabolism/ \*ETHINYL  
ESTRADIOL, metabolism/ FEMALE/ \*LIVER,  
metabolism/ RATS

1870. Jaimovich L, Jaimovich CB, Suárez Anzorena P: Lesiones óseas  
en la reticulosis angiogénica de Kaposi.  
Med Cutan Iber Lat Am 5(3):205-11, 1977 (Eng. Abstr.)  
(Spa)

AGED/ BONE AND BONES, pathology/ BONE  
AND BONES, radiography/ \*BONE NEOPLASMS,  
pathology/ CASE REPORT/ DIAGNOSIS,  
DIFFERENTIAL/ ENGLISH ABSTRACT/  
FEMALE/ HUMAN/ MALE/ \*SARCOMA,  
KAPOSIS, pathology/ SKIN, pathology



# AUTHOR SECTION

1871. Jain SK, Chauhan VP, Mazumdar S, et al: Effect of hydrocortisone on phenylhydrazine-induced Heinz-body anemia. *Can J Physiol Pharmacol* 56(4):677-9, Aug 78  
ADRENALECTOMY/ ANIMAL/ \*HEINZ BODIES, drug effects/ HEMOGLOBINS, metabolism/ \*HEMOLYSIS, drug effects/ \*HYDROCORTISONE, pharmacodynamics/ MALE/ ORGAN WEIGHT, drug effects/ \*PHENYLHYDRAZINES, pharmacodynamics/ RATS/ SPLEEN, drug effects/ TIME FACTORS
1872. Jain SK, Hochstein P: Thyroid hormone potentiation of primaquine induced fluorescent chromolipid formation in erythrocytes. *Proc West Pharmacol Soc* 21:233-6, 1978  
ANIMAL/ DRUG SYNERGISM/ \*ERYTHROCYTES, drug effects/ ERYTHROCYTES, metabolism/ IN VITRO/ MALE/ \*MEMBRANE LIPIDS, blood/ PEROXIDES, blood/ PHOSPHOLIPIDS, blood/ \*PRIMAQUINE, pharmacodynamics/ RATS/ SPECTROMETRY, FLUORESCENCE/ \*THYROID HORMONES, pharmacodynamics/ THYROXINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1873. Jakse G, Marberger M, Hohenfellner R: Iatrogene Harnleiterverletzungen nach Operationen im kleinen Becken—therapeutische Richtlinien. *Urologe [A]* 17(5):286-91, Sep 78 (Eng. Abstr.) (Ger)  
ADOLESCENCE/ ADULT/ AGED/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDRONEPHROSIS, etiology/ HYSTERECTOMY, adverse effects/ \*IATROGENIC DISEASE/ MALE/ MIDDLE AGE/ OVARIAN NEOPLASMS, surgery/ PELVIC EXENTERATION, adverse effects/ \*PELVIS, surgery/ \*URETER, injuries/ URETERAL DISEASES, etiology/ URETHRAL STRICTURE, etiology/ URINARY FISTULA, etiology/ URINARY TRACT INFECTIONS, etiology
1874. James HE, Bruce DA, Welsh F: Cytotoxic edema produced by 6-aminocotinamide and its response to therapy. *Neurosurgery* 3(2):196-200, Sep-Oct 78  
ANIMAL/ BODY WATER, analysis/ \*BRAIN CHEMISTRY, drug effects/ \*BRAIN EDEMA, chemically induced/ BRAIN EDEMA, drug therapy/ DEXAMETHASONE, therapeutic use/ ELECTROENCEPHALOGRAPHY/ FUROSEMIDE, therapeutic use/ INTRACRANIAL PRESSURE, drug effects/ MANNITOL, therapeutic use/ \*NICOTINAMIDE, analogs & derivatives/ NAD, analysis/ RABBITS/ \*6-AMINONICOTINAMIDE, toxicity
1875. Jančarič A: Bioenergetic peculiarities in the nutrition of main farm mammals. *Prog Food Nutr Sci* 2(11-12):561-76, 1978  
ANIMAL FEED, standards/ \*ANIMAL NUTRITION/ ANIMAL/ \*ANIMALS, DOMESTIC/ CATTLE/ \*ENERGY METABOLISM/ FATS, metabolism/ FATTY ACIDS, VOLATILE, metabolism/ FEMALE/ LACTATION/ METHANE, metabolism/ PREGNANCY/ PREGNANCY, ANIMAL/ PROTEINS, metabolism/ SHEEP/ SUCKING BEHAVIOR/ SWINE
1876. Jankovic BD, Isakovic K, Knežević Z: Ontogeny of this immuno-neuro-endocrine relationship. Changes in lymphoid tissue of chick embryos surgically decapitated at 33-38 hours of incubation. *Dev Comp Immunol* 2(3):479-91, Jul 78  
ANIMAL/ BODY WEIGHT/ BONE MARROW, pathology/ BURSA OF FABRICIUS, pathology/ CHICK EMBRYO/ \*EMBRYO, immunology/ EMBRYO, innervation/ EMBRYO, surgery/ \*ENDOCRINE GLANDS, embryology/ LIVER, pathology/ \*LYMPHOID TISSUE, immunology/ RABBITS/ SPLEEN, pathology/ THYMUS GLAND, pathology/ TIME FACTORS
1877. Janowsky D, Judd L, Huey L, et al: Negative naloxone effects on serum-prolactin [letter] *Lancet* 2(8090):637, 16 Sep 78  
CLINICAL RESEARCH/ DOUBLE-BLIND METHOD/ HUMAN/ INFUSIONS, PARENTERAL/ NALOXONE, administration & dosage/ \*NALOXONE, pharmacodynamics/ PLACEBOS/ \*PROLACTIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1878. Janowsky DS, Leichner P, Clopton P, et al: Comparison of oral and intravenous methylphenidate. *Psychopharmacology (Berlin)* 59(1):75-8, 15 Sep 78  
ADMINISTRATION, ORAL/ ADULT/ BEHAVIOR, drug effects/ BLOOD PRESSURE, effects/ CLINICAL RESEARCH/ COMPARISON STUDY/ FEMALE/ HUMAN/ INJECTION INTRAVENOUS/ MALE/ \*METHYLPHENIDATE, administration & dosage/ METHYLPHENIDATE, pharmacodynamics/ METHYLPHENIDATE, therapeutic use/ MIDDLE AGE/ PSYCHIC STATUS RATING SCALES/ PULSE, drug effects/ SCHIZOPHRENIA, drug therapy/ SOMATOTROPIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1879. Janowsky DS, Leichner P, Parker D, et al: The effect of methylphenidate on serum growth hormone: influence of antipsychotic drugs and diagnosis. *Arch Gen Psychiatry* 35(11):1384-9, Nov 78  
ADOLESCENCE/ ADULT/ ALCOHOLISM/ BLOOD PRESSURE, drug effects/ COMPARISON STUDY/ DEPRESSION, REACTIVE, blood/ DEPENDENCE, blood/ FEMALE/ HUMAN/ INFUSIONS, PARENTERAL/ MALE/ \*METHYLPHENIDATE, pharmacodynamics/ MIDDLE AGE/ PSYCHOSES, MANIC-DEPRESSIVE, blood/ PULSE, drug effects/ \*SCHIZOPHRENIA, blood/ SCHIZOPHRENIA, therapy/ \*SOMATOTROPIN, blood/ \*TRANQUILIZING AGENTS, MAJOR, the use/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VERBAL BEHAVIOR, drug effects
1880. Januszewicz W, Wocial B, Feltynowski T, et al: Poziwy wpływ chromochłonnego nadnerczy a ostateczne rezultaty leczenia u chorych z nadciśnieniem tętniczym. *Pol Tyg Lek* 33(22):877-9, 29 May 78 (Eng. Abstr.)  
ADRENAL GLAND NEOPLASMS, complications/ \*ADRENAL GLAND NEOPLASMS, diagnosis/ ENGLISH ABSTRACT/ HUMAN/ \*HYPERTENSION, etiology/ PHEOCHROMOCYTOMA, complications/ \*PHEOCHROMOCYTOMA, diagnosis
1881. Januszko T, Suszczyńska-Falecka Z: Wzrost endemicyzmu fizyczny dzieci. *Rocz Akad Med Białymstoku* 22:149-57, 1977 (Eng. Abstr.)  
ADOLESCENCE/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ \*GOITER, ENDEMIC/ \*GROWTH HUMAN/ MALE
1882. Janz D: Über Pharmakoresistenz in der Epilepsiebehandlung. *Dtsch Med Wochenschr* 103(41):1612-9, 13 Oct 78  
ALCOHOL, ETHYL/ ANTICONVULSANTS, administration & dosage/ ANTICONVULSANTS, metabolism/ \*ANTICONVULSANTS, therapeutic use/ CONTRACEPTIVES, ORAL/ DRUG RESISTANCE/ DRUG THERAPY, COMBINATION/ ELECTROENCEPHALOGRAPHY/ EPILEPSY, FOCAL, drug therapy/ EPILEPSY, GRAND MAL/ DRUG THERAPY/ FEMALE/ FEVER/ HUMAN/ MENSTRUATION/ PATIENT COMPLIANCE/ PHENYTOIN, adverse effects/ PREGNANCY/ ADMINISTRATION/ SLEEP DEPRIVATION/ TIME FACTORS
1883. Jaramillo D, León W, Cárdenas V, et al: Reiter's syndrome and strongyloidiasis. Report of a case. *J Cutan Pathol* 5(4):200-8, Aug 78  
ADRENAL CORTEX HORMONES, adverse effects/ ADRENAL CORTEX HORMONES, therapeutic use/ CASE REPORT/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, adverse effects/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ MALE/ MIDDLE AGE/ REITER'S DISEASE, complications/ REITER'S DISEASE, drug therapy/ \*REITER'S DISEASE, immunology/ REITER'S DISEASE, pathology/ SKIN, pathology/ STRONGYLOIDIASIS, complications/ STRONGYLOIDIASIS, drug therapy/ STRONGYLOIDIASIS, immunology/ STRONGYLOIDIASIS, pathology
1884. Jarszewicz L: Utlenianie jodków w tarczycy. *Postępy Hig Med Dosw* 32(2):227-44, Mar-Apr 78 (Abstr.)  
ENGLISH ABSTRACT/ HUMAN/ IODIDE PEROXIDASE, metabolism/ \*IODIDES, metabolism/ IODOTYROSINE, biosynthesis/ MONOAMINE OXIDASE, metabolism/ OXIDATION-REDUCTION/ \*THYROID GLAND, enzymology/ THYROID GLAND, metabolism



## AUTHOR SECTION

- THYROID HORMONES, biosynthesis/ XANTHINE  
OXIDASE, metabolism
5. Jaszmann LJ: Postmenopauze en oestrogeensubstitutie.  
Tijdschr Ziekenverpl 31(18):822-9, 5 Sep 78 (Dut)  
ADULT/ \*CLIMACTERIC, drug effects/  
ESTROGENS, adverse effects/ \*ESTROGENS,  
therapeutic use/ FEMALE/ HUMAN/  
\*MENOPAUSE/ MIDDLE AGE/ PATIENT CARE  
PLANNING/ PROGESTATIONAL HORMONES,  
adverse effects/ PROGESTATIONAL HORMONES,  
therapeutic use
6. Javadpour N: Biologic tumor markers in management of  
testicular and bladder cancer. Urology 12(2):177-83, Aug 78  
\*ALPHA FETOPROTEINS, analysis/ ANTIGENS,  
NEOPLASM/ ANTIGENS, SURFACE/ \*BLADDER  
NEOPLASMS, immunology/ CHORIOCARCINOMA,  
blood/ DYSGERMINOMA, blood/  
\*GONADOTROPINS, CHORIONIC, blood/  
HUMAN/ MALE/ NEOPLASM STAGING/  
PROGNOSIS/ RADIOIMMUNOASSAY/  
TERATOID TUMOR, blood/ \*TESTICULAR  
NEOPLASMS, blood
7. Javadpour N: Current concepts in management of testicular  
tumor. Urol Surv 28(3):89-94, Jun 78  
ADULT/ ALPHA FETOPROTEINS, analysis/  
DYSGERMINOMA, blood/ DYSGERMINOMA,  
diagnosis/ GONADOTROPINS, CHORIONIC, blood/  
HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM  
METASTASIS/ NEOPLASM STAGING/  
TERATOID TUMOR, blood/ \*TESTICULAR  
NEOPLASMS/ TESTICULAR NEOPLASMS, blood/  
TESTICULAR NEOPLASMS, diagnosis/  
TESTICULAR NEOPLASMS, pathology/  
TESTICULAR NEOPLASMS, therapy
8. Javadpour N, Doppman JL, Bergman SM, et al: Correlation  
of computed tomography and serum tumor markers in  
metastatic retroperitoneal testicular tumor.  
J Comput Assist Tomogr 2(2):176-80, Apr 78  
ADULT/ \*ALPHA FETOPROTEINS, blood/ CASE  
REPORT/ \*GONADOTROPINS, CHORIONIC,  
blood/ HUMAN/ MALE/ NEOPLASM  
METASTASIS/ \*NEOPLASMS, EMBRYONAL  
AND MIXED/ NEOPLASMS, EMBRYONAL AND  
MIXED, blood/ RETROPERITONEAL  
NEOPLASMS, blood/ \*RETROPERITONEAL  
NEOPLASMS, radiography/ \*RETROPERITONEAL  
SPACE, radiography/ TESTICULAR NEOPLASMS,  
blood/ \*TESTICULAR NEOPLASMS, pathology/  
\*TOMOGRAPHY, COMPUTERIZED AXIAL
9. Javey H, Sajadi H: Hydatidiform mole in southern Iran: a  
statistical survey of 113 cases. Int J Gynaecol Obstet  
15(5):390-5, 1978  
ADOLESCENCE/ ADULT/ CHORIOADENOMA,  
diagnosis/ \*CHORIOADENOMA, occurrence/  
CHORIOADENOMA, therapy/  
CHORIOCARCINOMA, diagnosis/  
CHORIOCARCINOMA, occurrence/  
CHORIOCARCINOMA, therapy/ FEMALE/  
FOLLOW-UP STUDIES/ HUMAN/  
HYDATIDIFORM MOLE, diagnosis/  
\*HYDATIDIFORM MOLE, occurrence/  
HYDATIDIFORM MOLE, therapy/ IRAN/ MIDDLE  
AGE/ PARITY/ PREGNANCY/  
SOCIOECONOMIC FACTORS/ UTERINE  
NEOPLASMS, diagnosis/ \*UTERINE NEOPLASMS,  
occurrence/ UTERINE NEOPLASMS, therapy
90. Jawadi MH, Ballonoff LB, Stears JC, et al: Primary  
hypothyroidism and pituitary enlargement. Radiological  
evidence of pituitary regression. Arch Intern Med  
138(10):1555-7, Oct 78  
ADULT/ CASE REPORT/ FEMALE/ HUMAN/  
HYPERTROPHY/ HYPOTHYROIDISM, drug  
therapy/ \*HYPOTHYROIDISM, radiography/  
\*PITUITARY GLAND, radiography/ PROLACTIN,  
blood/ REGRESSION/ SELLA TURCICA,  
radiography/ THYROXINE, therapeutic use/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
91. Jaya Rao KS: Endocrine responses to malnutrition in man.  
pp. 321-9.  
In: Assenmacher I, Farner DS, ed. Environmental  
endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.  
(38 ref.)  
COMPARATIVE STUDY/ \*HORMONES, blood/  
HUMAN/ HYDROCORTISONE, blood/ INSULIN,  
blood/ KWASHIORKOR, physiopathology/  
MONOGRAPH/ \*PROTEIN-CALORIE  
MALNUTRITION, physiopathology/ REVIEW/  
SOMATOTROPIN, blood/ THYROID HORMONES,  
blood
1892. Jeannin JF, Bournot P, Maume G, et al: Détermination  
simultanée d'androgènes plasmatiques chez le rat par  
fragmentographie de masse et dilution isotopique.  
J Steroid Biochem 9(7):615-22, Jul 78 (Eng. Abstr.) (Fre)  
\*ANDROGENS, blood/ ANIMAL/ CARBON  
RADIOISOTOPES/ CHOLESTANES, blood/  
COMPARATIVE STUDY/ ENGLISH ABSTRACT/  
ISOTOPE LABELING, methods/ MALE/ MASS  
FRAGMENTOGRAPHY, methods/  
RADIOIMMUNOASSAY, methods/ RATS/  
TESTOSTERONE, blood
1893. Jegou S, Tonon MC, Leboulenger F, et al: Radioimmunoassay  
for gamma-endorphin. Biochem Biophys Res Commun  
83(1):201-8, 14 Jul 78  
ANIMAL/ BINDING, COMPETITIVE/ CROSS  
REACTIONS/ \*ENDORPHINS, analysis/ FEMALE/  
PEPTIDE FRAGMENTS/ PITUITARY GLAND,  
analysis/ RABBITS, immunology/  
RADIOIMMUNOASSAY, methods/ RATS
1894. Jehanno C, Kaswin D, Jadat R, et al: Problèmes posés à  
l'anesthésiste réanimateur par la crise parathyroïdienne aiguë  
(à propos de 10 cas). Anesth Analg (Paris) 35(2):339-50,  
Mar-Apr 78 (Fre)  
ACUTE DISEASE/ ANESTHESIA/ CRITICAL  
CARE/ \*HYPERCALCEMIA, diagnosis/  
HYPERCALCEMIA, etiology/ HYPERCALCEMIA,  
therapy/ HYPERPARATHYROIDISM, complications/  
\*HYPERPARATHYROIDISM, surgery/  
\*HYPERPARATHYROIDISM, SECONDARY,  
surgery/ \*POSTOPERATIVE CARE/  
\*PREOPERATIVE CARE
1895. Jenkins N, Sumpter JP, Follett BK: The effects of vertebrate  
gonadotrophins on androgen release in vitro from testicular  
cells of Japanese quail and a comparison with their  
radioimmunoassay activities. Gen Comp Endocrinol  
35(3):309-21, Jul 78  
\*ANDROGENS, biosynthesis/ ANIMAL/  
CHICKENS/ COMPARATIVE STUDY/  
\*COTURNIX, metabolism/ DOSE-RESPONSE  
RELATIONSHIP, DRUG/ FISHES/ \*FSH,  
pharmacodynamics/ HUMAN/ \*LH,  
pharmacodynamics/ MALE/ \*QUAIL, metabolism/  
RADIOIMMUNOASSAY/ RATS/ \*TESTIS,  
metabolism/ TURKEYS
1896. Jenner P, Clow A, Reavill C, et al: A behavioural and  
biochemical comparison of dopamine receptor blockade  
produced by haloperidol with that produced by substituted  
benzamide drugs. Life Sci 23(6):545-9, 14 Aug 78  
ADENYL CYCLASE, metabolism/ ANIMAL/  
\*BEHAVIOR, ANIMAL, drug effects/  
\*BENZAMIDES, pharmacodynamics/ BRAIN, drug  
effects/ \*BRAIN, metabolism/ COMPARATIVE  
STUDY/ FEMALE/ \*HALOPERIDOL,  
pharmacodynamics/ HOMOVANILLIC ACID,  
metabolism/ MALE/ MICE/ RATS/ \*RECEPTORS,  
DOPAMINE, drug effects
1897. Jensen RT, Gardner JD: Cyclic nucleotide-dependent protein  
kinase activity in acinar cells from guinea pig pancreas.  
Gastroenterology 75(5):806-16, Nov 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE/  
ANIMAL/ CHROMATOGRAPHY,  
DEAE-CELLULOSE/ GUANOSINE  
CYCLIC-3',5'-MONOPHOSPHATE/ GUINEA  
PIGS/ \*PANCREAS, enzymology/ PROTEIN  
BINDING, drug effects/ PROTEIN KINASE,  
antagonists & inhibitors/ PROTEIN KINASE, analysis/  
\*PROTEIN KINASE, metabolism/ SECRETIN,  
pharmacodynamics/ VASOACTIVE INTESTINAL  
PEPTIDE, pharmacodynamics
1898. Jessell TM, Emson PC, Paxinos G, et al: Topographic  
projections of substance P and GABA pathways in the  
striato- and pallido-nigral system: a biochemical and  
immunohistochemical study. Brain Res 152(3):487-98, 8 Sep  
78  
ANIMAL/ CALCIUM, metabolism/ CAUDATE  
NUCLEUS, enzymology/ CORPUS STRIATUM,  
anatomy & histology/ \*CORPUS STRIATUM,  
enzymology/ FLUORESCENT ANTIBODY  
TECHNIC/ GLOBUS PALLIDUS, anatomy &

# AUTHOR SECTION

- histology/ \*GLOBUS PALLIDUS, enzymology/  
GLUTAMATE DECARBOXYLASE, metabolism/  
\*GABA, metabolism/ MALE/ NEURAL  
INHIBITION/ NEURAL PATHWAYS, anatomy &  
histology/ NEURAL PATHWAYS, enzymology/  
PUTAMEN, enzymology/ RATS/ \*SUBSTANCE P,  
metabolism/ SUBSTANTIA NIGRA, anatomy &  
histology/ \*SUBSTANTIA NIGRA, enzymology
1899. Jesserer H, Estler CJ, Gugler R, et al: Rundtischgespräch  
'Wechselwirkungen von Antirheumatika'.  
Verh Dtsch Ges Rheumatol 5:283-7, 1978 (Ger)  
\*ANTI-INFLAMMATORY AGENTS, therapeutic  
use/ DRUG INTERACTIONS/  
GLUCOCORTICOIDS, therapeutic use/ HUMAN/  
\*RHEUMATISM, drug therapy
1900. Ježová J: Jododerma tuberosum. Kasuistika. Cesk Dermatol  
53(4):240-4, Aug 78 (Eng. Abstr.) (Cze)  
AGED/ CASE REPORT/ \*DERMATITIS  
MEDICAMENTOSA, diagnosis/ ENGLISH  
ABSTRACT/ EXPECTORANTS, adverse effects/  
FEMALE/ HUMAN/ \*IODINE, adverse effects/  
MINERAL WATERS, adverse effects/ POTASSIUM  
IODIDE, adverse effects
1901. Joffe L, Shields JA, Fitzgerald JR: Osseous choristoma of the  
choroid. Arch Ophthalmol 96(10):1809-12, Oct 78  
ADOLESCENCE/ \*BONE AND BONES/ CASE  
REPORT/ \*CHORISTOMA, diagnosis/  
CHORISTOMA, radiography/ \*CHOROID  
NEOPLASMS, diagnosis/ CHOROID NEOPLASMS,  
radiography/ FEMALE/ FLUORESCIN  
ANGIOGRAPHY/ HUMAN/ TOMOGRAPHY,  
COMPUTERIZED AXIAL/ ULTRASONICS,  
diagnostic use
1902. Johansson BW: Seasonal variations in the endocrine system  
of hibernators. pp. 103-10.  
In: Assenmacher I, Farner DS, ed. Environmental  
endocrinology. Berlin, Springer, 1978. WK 102.3 E6I 1977.  
(45 ref.)  
ADRENAL GLANDS, physiology/ ANIMAL/  
BROWN FAT, physiology/ \*HIBERNATION/  
\*HORMONES, physiology/ ISLANDS OF  
LANGERHANS, physiology/ MONOGRAPH/  
PARATHYROID GLANDS, physiology/  
\*PERIODICITY/ PITUITARY GLAND, physiology/  
REPRODUCTION/ REVIEW/ SEASONS/ SPECIES  
SPECIFICITY/ THYROID GLAND, physiology
1903. Johnson AK, Hoffman WE, Buggy J: Attenuated pressor  
responses to intracranially injected stimuli and altered  
antidiuretic activity following preoptic-hypothalamic  
periventricular ablation. Brain Res 157(1):161-6, 17 Nov 78  
\*ANGIOTENSIN II, pharmacodynamics/ ANIMAL/  
\*BLOOD PRESSURE, drug effects/ DIURESIS, drug  
effects/ \*HYPOTHALAMUS, physiology/ MALE/  
\*PARAVENTRICULAR NUCLEUS, physiology/  
PHENYLEPHRINE, pharmacodynamics/  
\*PREOPTIC AREA, physiology/ RATS/ \*SALINE  
SOLUTION, HYPERTONIC, pharmacodynamics/  
\*SODIUM CHLORIDE, pharmacodynamics/ UNITED  
STATES GOV'T SUPPORTED, P.H.S./  
\*VASOPRESSINS, blood/  
WATER-ELECTROLYTE BALANCE, drug effects
1904. Johnson CT: Time to onset of oestrus after the injection of  
heifers with cloprostenol. Vet Rec 103(10):204-6, 2 Sep 78  
ANIMAL/ \*CATTLE, physiology/  
\*CLOPROSTENOL, administration & dosage/  
CLOPROSTENOL, pharmacodynamics/  
COMPARATIVE STUDY/ \*ESTRUS, drug effects/  
FEMALE/ INJECTIONS, INTRAMUSCULAR/  
\*PROSTAGLANDINS F, SYNTHETIC,  
administration & dosage/ TIME FACTORS
1905. Johnson GL, Kaslow HR, Bourne HR: Genetic evidence that  
cholera toxin substrates are regulatory components of  
adenylate cyclase. J Biol Chem 253(20):7120-3, 25 Oct 78  
\*ADENYL CYCLASE, metabolism/ CELL LINE/  
CELL MEMBRANE, metabolism/ \*CHOLERA  
TOXIN, metabolism/ MOLECULAR WEIGHT/  
NAD/ UNITED STATES GOV'T SUPPORTED/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
1906. Johnson JG, Black WD, Vukovich RA, et al: Treatment of  
patients with severe hypertension by inhibition of  
angiotensin-converting enzyme. Clin Sci Mol Med 48 Suppl  
2:53s-56s, Jun 75  
BLOOD PRESSURE, drug effects/ BLOOD
- VOLUME/ DOSE-RESPONSE RELATIONS  
DRUG/ FUROSEMIDE, pharmacodynamics/  
FUROSEMIDE, therapeutic use/ HUMAN/  
HYPERTENSION, blood/ \*HYPERTENSION  
therapy/ \*OLIGOPEPTIDES, therapeutic use/  
RENIN, blood/ SODIUM, urine/ \*SQ 20881,  
therapeutic use/ TIME FACTORS/ UNITED S  
GOV'T SUPPORTED, P.H.S.
1907. Johnson KM, Dewey WL: The effect of  
delta9-tetrahydrocannabinol on the conversion of  
[3H]tryptophan to 5-[3H] hydroxytryptamine in the  
brain. J Pharmacol Exp Ther 207(1):140-50, Oct 78  
ANIMAL/ BRAIN, drug effects/ \*BRAIN,  
metabolism/ IN VITRO/ MALE/ MICE/ MI  
INBRED ICR/ \*SEROTONIN, biosynthesis/  
SYNAPTOSOMES, drug effects/ SYNAPTOS  
metabolism/ \*TETRAHYDROCANNABINOL  
pharmacodynamics/ TRYPTOPHAN, blood/  
\*TRYPTOPHAN, metabolism/ TYROSINE, bl  
UNITED STATES GOV'T SUPPORTED, P.
1908. Johnson L, Amann RP, Pikett BW: Scanning electron  
microscopy of the epithelium and spermatozoa in the  
excurrent duct system. Am J Vet Res 39(9):1428-3  
78  
ANIMAL/ CYTOPLASMIC GRANULES,  
ultrastructure/ EPIDIDYMIS, ultrastructure/  
EPITHELIUM, ultrastructure/ \*HORSES, anat  
histology/ MALE/ MICROSCOPY, ELECTRO  
SCANNING/ RETE TESTIS, ultrastructure/  
\*SPERMATOOZOA, ultrastructure/ \*TESTIS,  
ultrastructure
1909. Johnson RA, Morton DR, Nelson NA: Nomenclature  
analogs of prostacyclin (PGI<sub>2</sub>). Prostaglandins 15(5):  
May 78  
CHEMISTRY/ MOLECULAR CONFORMAT  
\*NOMENCLATURE/ \*PROSTAGLANDINS  
\*PROSTAGLANDINS/ PROSTAGLANDINS  
SYNTHETIC
1910. Johnson RG, Scarpa A, Salganicoff L: The internal pl  
isolated serotonin containing granules of pig platele  
J Biol Chem 253(19):7061-8, 10 Oct 78  
ANIMAL/ \*BLOOD PLATELETS, analysis/ B  
PLATELETS, metabolism/ \*CYTOPLASMIC  
GRANULES, analysis/ CYTOPLASMIC  
GRANULES, ultrastructure/ HYDROGEN-IO  
CONCENTRATION/ IONOPHORES/  
METHYLAMINES, metabolism/ \*SEROTONI  
blood/ SWINE/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
1911. Johnson RN, Masserano RP, Kho BT, et al: Steady-st  
urinary excretion method for determining bioequival  
conjugated estrogen products. J Pharm Sci 67(9):12  
Sep 78  
ADULT/ CHROMATOGRAPHY, GAS/  
\*ESTROGENIC SUBSTANCES, CONJUGAT  
urine/ FEMALE/ HUMAN/ HYDROLYSIS/  
MENOPAUSE/ METHODS/ MIDDLE AGE/  
THERAPEUTIC EQUIVALENCY
1912. Jonat W, Maass H: Some comments on the necessity  
receptor determination in human breast cancer.  
Cancer Res 38(11 Pt 2):4305-6, Nov 78  
ANTINEOPLASTIC AGENTS, therapeutic use  
\*BREAST NEOPLASMS, metabolism/ BREAS  
NEOPLASMS, therapy/ DRUG THERAPY,  
COMBINATION/ ENDOCRINE GLANDS, dr  
effects/ ENDOCRINE GLANDS, surgery/ FEM  
HUMAN/ \*NEOPLASMS,  
HORMONE-DEPENDENT, metabolism/  
NEOPLASMS, HORMONE-DEPENDENT, th  
\*RECEPTORS, ESTROGEN/ REMISSION
1913. Jones B, Luthman J: Feeding-induced hypocalcaemia. S  
on the uptake of <sup>47</sup>Ca from the gastrointestinal tract  
sheep. Acta Vet Scand 19(2):204-14, 1978  
\*ANIMAL NUTRITION/ ANIMAL/ CALCIU  
blood/ \*CALCIUM, metabolism/ CALCIUM,  
DIETARY/ \*GASTROINTESTINAL SYSTEM  
metabolism/ HYPOCALCEMIA, etiology/  
\*HYPOCALCEMIA, veterinary/ INTESTINAL  
ABSORPTION/ \*SHEEP DISEASES, etiology/  
SHEEP
1914. Jones CS, Parker DS: Uptake of substrates for milk-fa  
synthesis by lactating-rabbit mammary gland. Bioche  
174(1):291-6, 15 Jul 78



# AUTHOR SECTION

- ACETATES, blood/ ACETOACETATES, blood/  
ANIMAL/ BLOOD SUGAR, analysis/ FATTY  
ACIDS, analysis/ FEMALE/  
HYDROXYBUTYRATES, blood/ LACTATES,  
blood/ LACTATION/ \*LIPIDS, biosynthesis/  
LIPIDS, blood/ MAMMAE, blood supply/  
\*MAMMAE, metabolism/ \*MILK, metabolism/  
PREGNANCY/ RABBITS
1915. Jones DL, Veale WL, Cooper KE: Perfusion of the posterior  
hypothalamus of cats with various ions and saccharides:  
effects on body temperature. *Can J Physiol Pharmacol*  
56(4):571-7, Aug 78  
ANIMAL/ \*BODY TEMPERATURE, drug effects/  
\*CARBOHYDRATES, pharmacodynamics/ CATS/  
\*HYPOTHALAMUS, drug effects/  
\*HYPOTHALAMUS, POSTERIOR, drug effects/  
\*IONS, pharmacodynamics/ PERFUSION/ TIME  
FACTORS
1916. Jones MT, Hillhouse EW: Neurotransmitter regulation of  
corticotropin-releasing factor in vitro. *Ann NY Acad Sci*  
297:536-60, 28 Oct 77  
ACETYLCHOLINE, physiology/ ANGIOTENSIN II,  
physiology/ ANIMAL/ CORTICOTROPIN  
RELEASING HORMONE, biosynthesis/  
\*CORTICOTROPIN RELEASING HORMONE,  
secretion/ GABA, physiology/ HYPOTHALAMUS,  
physiology/ IN VITRO/ MELATONIN, physiology/  
MODELS, BIOLOGICAL/ \*NEUROHORMONS,  
physiology/ NOREPINEPHRINE, physiology/ RATS/  
SEROTONIN, physiology/ VASOPRESSINS,  
physiology
1917. Jones RS: Noradrenaline sensitive adenylate cyclase in rat  
cerebral cortex: effects of antidepressant drugs.  
*Neuropharmacology* 17(9):771-4, Sep 78  
\*ADENYL CYCLASE, metabolism/ ANIMAL/  
\*ANTIDEPRESSIVE AGENTS, pharmacodynamics/  
BRAIN, drug effects/ \*BRAIN, enzymology/  
CEREBRAL CORTEX, drug effects/ CEREBRAL  
CORTEX, enzymology/ IN VITRO/ MALE/  
\*NOREPINEPHRINE, pharmacodynamics/ RATS
1918. Jongkees LB: Facial paralysis, its diagnosis and therapy.  
*ORL* 40(1):2-22, 1978  
FACIAL NERVE, anatomy & histology/ FACIAL  
NERVE, surgery/ \*FACIAL PARALYSIS, diagnosis/  
\*FACIAL PARALYSIS, therapy/ HUMAN/  
PREDNISONE, therapeutic use/ PROGNOSIS
1919. Jonsson G, Pollare T, Hallman H, et al: Developmental  
plasticity of central serotonin neurons after  
5,7-dihydroxytryptamine treatment. *Ann NY Acad Sci*  
305:328-45, 12 Jun 78  
AGING/ ANIMAL/ ANIMALS, NEWBORN/  
CENTRAL NERVOUS SYSTEM, cytology/  
\*CENTRAL NERVOUS SYSTEM, drug effects/  
\*DIHYDROXYTRYPTAMINES, pharmacodynamics/  
LYSERGIC ACID DIETHYLAMIDE, metabolism/  
NEURONS, cytology/ \*NEURONS, drug effects/  
RATS/ RECEPTORS, SEROTONIN, drug effects/  
RECEPTORS, SEROTONIN, metabolism/  
\*SEROTONIN, physiology/  
\*5,7-DIHYDROXYTRYPTAMINE,  
pharmacodynamics
1920. Jordan LM, Kenshalo DR Jr, Martin RF, et al: Depression  
of primate spinothalamic tract neurons by iontophoretic  
application of 5-hydroxytryptamine. *Pain* 5(2):135-42, Aug  
78  
ANIMAL/ DEPRESSION, CHEMICAL/  
ELECTROPHYSIOLOGY/ EVOKED  
POTENTIALS/ GLUTAMATES, administration &  
dosage/ GLUTAMATES, pharmacodynamics/  
\*IONTOPHORESIS/ MACACA/ MONKEYS/  
PAIN/ \*SEROTONIN, administration & dosage/  
SEROTONIN, pharmacodynamics/  
\*SPINOHALAMIC TRACTS, physiology/ TOUCH/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
1921. Jordan RM, Kendall JW: Dissociation of plasma and CSF  
prolactin heterogeneity. *Acta Endocrinol (Copenh)*  
89(1):38-47, Sep 78  
ADULT/ CHROMATOGRAPHY/  
CHROMATOGRAPHY, GEL/ FEMALE/ HUMAN/  
MOLECULAR WEIGHT/ PITUITARY  
NEOPLASMS, analysis/ \*PROLACTIN/  
PROLACTIN, blood/ PROLACTIN, cerebrospinal  
fluid/ RADIOIMMUNOASSAY
1922. Jordan SC, Johnston WH, Bergstein JM: Immune complex  
glomerulonephritis mediated by thyroid antigens.  
*Arch Pathol Lab Med* 102(10):530-3, Oct 78  
\*ANTIGEN-ANTIBODY COMPLEX/  
\*ANTIGENS/ BASEMENT MEMBRANE,  
pathology/ CASE REPORT/ CHILD/ FEMALE/  
GLOMERULONEPHRITIS, etiology/  
\*GLOMERULONEPHRITIS, immunology/  
GLOMERULONEPHRITIS, pathology/ HUMAN/  
HYPOTHYROIDISM, complications/ \*IMMUNE  
COMPLEX DISEASE/ IMMUNE COMPLEX  
DISEASE, immunology/ IMMUNE COMPLEX  
DISEASE, pathology/ KIDNEY GLOMERULUS,  
pathology/ \*THYROID GLAND, immunology
1923. Jørgensen CB, Hede KE, Larsen LO: Environmental control  
of annual ovarian cycle in the toad *Bufo bufo* L.: role  
of temperature. pp. 28-36.  
In: Assenmacher I, Farner DS, ed. *Environmental  
endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
ACCLIMATIZATION/ ANIMAL/ \*BIOLOGICAL  
CLOCKS/ BUFO BUFO/ ENVIRONMENT/  
FEMALE/ MONOGRAPH/ OOCYTES, physiology/  
\*OVARY, physiology/ TEMPERATURE
1924. Jørgensen NA, Horst RL, DeLuca HF, et al:  
25-hydroxycholecalciferol for prevention of 'milk fever' in  
dairy cows. *Vet Rec* 103(7):136-8, 12 Aug 78  
ANIMAL/ CALCIUM, blood/ \*CATTLE DISEASES,  
prevention & control/ CATTLE/ COMPARATIVE  
STUDY/ FEMALE/  
HYDROXYCHOLECALCIFEROLS, administration &  
dosage/ \*HYDROXYCHOLECALCIFEROLS,  
therapeutic use/ INJECTIONS, INTRAMUSCULAR/  
\*PARTURIENT PARESIS, prevention & control/  
PHOSPHORUS, blood/ PREGNANCY
1925. Joshi UM, Sankolli GM, Rajani U, et al: Use of the ratio of  
estrogens to creatinine in a single morning urine sample in  
the management of high risk pregnancy.  
*Indian J Med Res* 68:67-72, Jul 78  
BIRTH WEIGHT/ \*CREATININE, urine/  
\*ESTROGENS, urine/ FEMALE/ HUMAN/  
INFANT, NEWBORN/ \*PREGNANCY  
COMPLICATIONS, urine/ PREGNANCY  
TRIMESTER, THIRD/ PREGNANCY
1926. Julisová I, Jirásek A: Jemná struktura myoblastického myomu.  
*Cesk Patol* 13(4):177-84, Nov 77 (Eng. Abstr.) (Cze)  
APPENDICEAL NEOPLASMS, ultrastructure/  
BASEMENT MEMBRANE, ultrastructure/ ENGLISH  
ABSTRACT/ HUMAN/ \*MYOBLASTOMA,  
ultrastructure/ PITUITARY NEOPLASMS,  
ultrastructure/ SKIN NEOPLASMS, ultrastructure/  
TONGUE NEOPLASMS, ultrastructure
1927. Julius S, Esler MD, Randall OS: Role of the autonomic nervous  
system in mild human hypertension. *Clin Sci Mol Med* 48  
Suppl 2:243s-252s, Jun 75  
ADOLESCENCE/ ADULT/ \*AUTONOMIC  
NERVOUS SYSTEM, physiology/ BLOOD  
PRESSURE, drug effects/ CARDIAC OUTPUT, drug  
effects/ CLINICAL RESEARCH/ HEART RATE,  
drug effects/ HUMAN/ HYPERTENSION, blood/  
\*HYPERTENSION, etiology/ ISOPROTERENOL,  
pharmacodynamics/ MALE/ PHENTOLAMINE,  
pharmacodynamics/ PSYCHOPHYSIOLOGIC  
DISORDERS, blood/ RENIN, blood
1928. Jung A, Bartholdi P, Mermillod B: Critical analysis of methods  
for analysing human calcium kinetics. *J Theor Biol*  
73(1):131-57, 6 Jul 78  
ADULT/ BONE AND BONES, metabolism/  
CALCIFICATION, PHYSIOLOGIC/ \*CALCIUM,  
metabolism/ COMPARATIVE STUDY/ HUMAN/  
MIDDLE AGE/ \*MODELS, BIOLOGICAL/ TIME  
FACTORS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
1929. Jung D, Reinhardt W, Jagla J: Doppelseitige spontane  
Schenkelhalsfraktur bei schwere  
Schwangerschaftsosteoporose. *Chirurg* 49(8):523-4, Aug 78  
(Ger)  
ADULT/ DIAGNOSTIC ERRORS/ FEMALE/  
\*FEMORAL NECK FRACTURES, etiology/  
FEMORAL NECK FRACTURES, radiography/  
HUMAN/ \*OSTEOPOROSIS, etiology/  
OSTEOPOROSIS, radiography/ \*PREGNANCY  
COMPLICATIONS/ PREGNANCY TRIMESTER,  
THIRD/ PREGNANCY

# AUTHOR SECTION

1930. Junod B, Lévi F: Distribution de la morphologie des tumeurs incidentes dans le canton de Vaud. *Soz Praeventivmed* 23(4):269-70, Aug 78 (Eng. Abstr.) (Fre)  
ADULT/ AGED/ BREAST NEOPLASMS, occurrence/ BREAST NEOPLASMS, pathology/ ENGLISH ABSTRACT/ FEMALE/ GASTROINTESTINAL NEOPLASMS, occurrence/ \*GASTROINTESTINAL NEOPLASMS, pathology/ HUMAN/ LUNG NEOPLASMS, occurrence/ LUNG NEOPLASMS, pathology/ MALE/ MIDDLE AGE/ \*NEOPLASMS, occurrence/ NEOPLASMS, pathology/ OVARIAN NEOPLASMS, occurrence/ OVARIAN NEOPLASMS, pathology/ REGISTRIES/ SWITZERLAND/ TESTICULAR NEOPLASMS, occurrence/ TESTICULAR NEOPLASMS, pathology
  1931. Jusko WJ, Schentag JJ, Clark JH, et al: Enhanced biotransformation of theophylline in marijuana and tobacco smokers. *Clin Pharmacol Ther* 24(4):405-10, Oct 78  
ADULT/ AMINOPHYLLINE, metabolism/ BIOTRANSFORMATION/ \*CANNABIS/ FEMALE/ HUMAN/ KINETICS/ MALE/ MIDDLE AGE/ SALIVA, analysis/ \*SMOKING, metabolism/ THEOPHYLLINE, blood/ \*THEOPHYLLINE, metabolism/ THIOCYANATES, blood
  1932. Juttman JR, Ruis AM, Hagenouw-Taal JC, et al: A comparative study of two methods of measurement of fractional calcium absorption: results in normal individuals and patients with various disturbances of calcium metabolism. *Eur J Clin Invest* 8(3):137-42, Jun 78  
ABSORPTION/ ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ AGED/ CALCIUM METABOLISM DISORDERS, blood/ \*CALCIUM METABOLISM DISORDERS, metabolism/ CALCIUM RADIOISOTOPES, administration & dosage/ \*CALCIUM RADIOISOTOPES, diagnostic use/ CALCIUM, blood/ \*CALCIUM, metabolism/ CALCIUM, urine/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ INJECTIONS, INTRAVENOUS/ KIDNEY FAILURE, CHRONIC, blood/ KIDNEY FAILURE, CHRONIC, metabolism/ MALE/ METHODS/ MIDDLE AGE/ SKIN, metabolism
- K**
1933. Kacew S, Narbaitz R: Early metabolic alterations in pulmonary tissue following administration of toxic agents. *Fed Proc* 37(11):2489-95, Sep 78 (44 ref.)  
ACUTE DISEASE/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ANIMAL/ ANIMALS, NEWBORN/ CADMIUM, toxicity/ CHLORPHENTERMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DNA, biosynthesis/ LEAD, toxicity/ \*LUNG, metabolism/ NUCLEIC ACIDS, biosynthesis/ PHENTERMINE, pharmacodynamics/ POLYAMINES, metabolism/ RATS/ REVIEW
  1934. Kadowitz PJ, Chapnick BM, Feigen LP, et al: Pulmonary and systemic vasodilator effects of the newly discovered prostaglandin, PG12. *J Appl Physiol* 45(3):408-13, Sep 78  
ANIMAL/ DOGS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ \*HEART, physiology/ \*LUNG, blood supply/ MALE/ PROSTAGLANDINS E, pharmacodynamics/ \*PROSTAGLANDINS X, pharmacodynamics/ \*PROSTAGLANDINS, pharmacodynamics/ REGIONAL BLOOD FLOW/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*VASODILATOR AGENTS/ VASOMOTOR SYSTEM, drug effects
  1935. Kaganov SIu: Sovremennye klinicheskie aspekty bronkhial'noi astmy v detskom vozraste. *Vopr Okhr Materin Det* 23(10):19-24, Oct 78 (Rus)  
ADRENAL CORTEX HORMONES, therapeutic use/ \*ASTHMA, diagnosis/ ASTHMA, drug therapy/ CHILD/ HUMAN/ PENICILLINS, therapeutic use
  1936. Kagawa K, Kurohata M, Tomizawa S: Effect of glucocorticoids on calcium binding to plasma membranes of livers during regeneration. *Biochem Biophys Res Commun* 83(4):1299-305, 29 Aug 78  
ANIMAL/ BINDING SITES/ \*CALCIUM, metabolism/ CELL MEMBRANE, metabolism/ FEMALE/ FLUCINOLONE ACETONIDE, pharmacodynamics/ \*GLUCOCORTICOID, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ KINETICS/ LIVER REGENERATION, drug effects/ \*LIVER, metabolism/ RATS/ TIME FACTORS
  1937. Kågedal B, Sandström A, Tibbling G: Determination of a trivariate reference region for free thyroxine index, free triiodothyronine index, and thyrotropin from results obtained in a health survey of middle-aged women. *Clin Chem* 24(10):1744-50, Oct 78  
ADULT/ AGE FACTORS/ FEMALE/ HUMAN/ MIDDLE AGE/ NORMAL VALUES/ STATISTICS/ \*THYROTROPIN, blood/ \*THYROXINE, blood/ \*TRIIODOTHYRONINE, blood
  1938. Kageyama N, Nakane T: [Hypothalamo-pituitary tumors—surgical treatment] *Nippon Rinsho Suppl*:1548-9, May 78 (J)  
\*BRAIN NEOPLASMS, surgery/ \*CEREBRAL VENTRICLE NEOPLASMS, surgery/ HUMAN/ \*HYPOTHALAMUS/ \*PITUITARY NEOPLASM, surgery
  1939. Kahn AJ: Lower dominance ranking associated with delay development of aversion to ethanol in mice. *J Stud Alcohol* 39(7):1224-30, Jul 78  
\*ALCOHOL DRINKING/ ANIMAL/ CHOICE BEHAVIOR/ DRINKING BEHAVIOR/ MICE/ \*SOCIAL DOMINANCE/ TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED
  1940. Kahn G: Photodermatoses. *Major Probl Clin Pediatr* 19:123-1978  
ADOLESCENCE/ ATAXIA TELANGIECTASIA CARCINOMA, BASAL CELL, etiology/ \*DERMATITIS, etiology/ DERMATITIS, prevention & control/ DWARFISM/ ERYTHEMA, etiology/ HARTNUP DISEASE/ HUMAN/ LUPUS ERYTHEMATOSUS, SYSTEMIC/ PHOTOSENSITIZATION/ POIKILODERMA CONGENITALE/ PORPHYRIA/ SKIN NEOPLASMS, etiology/ SYNDROME/ TELANGIECTASIS/ \*ULTRAVIOLET RAYS, adverse effects/ URTICARIA, etiology/ XERODERMA PIGMENTOSUM
  1941. Kaiser H: Meningitis-Therapie. *Dtsch Med Wochenschr* 103(42):1642, 20 Oct 78 (G)  
GAMMA GLOBULINS, therapeutic use/ GLUCOCORTICOID, therapeutic use/ HUMAN/ \*MENINGITIS, drug therapy
  1942. Kaiser H: Psychische Störungen nach Beclometasondipropionat-Inhalation? *Med Klin* 73(38):1322 Sep 78 (G)  
\*BECLOMETHASONE, adverse effects/ BECLOMETHASONE, therapeutic use/ BRONCHITIS, drug therapy/ HUMAN/ \*PSYCHOSES, TOXIC, etiology/ RESPIRATORY THERAPY, adverse effects
  1943. Kajanoja P, Ranta T, Seppälä M: Effect of prostaglandin F2alpha on ovarian and pituitary function in the mid-luteal phase. *Prostaglandins* 16(2):327-32, Aug 78  
ADULT/ ESTRADIOL, blood/ FEMALE/ FSH, blood/ HUMAN/ INFUSIONS, PARENTERAL/ L blood/ LH-FSH RELEASING HORMONE, diagnosis use/ \*MENSTRUATION, drug effects/ \*MENSTRUATION, LUTEAL PHASE, drug effects/ \*OVARY, drug effects/ \*PITUITARY GLAND, ANTERIOR, drug effects/ PROGESTERONE, blood/ PROLACTIN, blood/ PROSTAGLANDINS F, administration & dosage/ \*PROSTAGLANDINS F, pharmacodynamics/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood
  1944. Kajihara H, Akimoto T, Iijima S: On the chromaffin cells of dog adrenal medulla; with special reference to the small granule chromaffin cells (SGC cells). *Cell Tissue Res* 191(1):1-14, 13 Jul 78  
\*ADRENAL MEDULLA, cytology/ ADRENAL MEDULLA, secretion/ ADRENAL MEDULLA, ultrastructure/ ANIMAL/ CELL NUCLEUS, ultrastructure/ CELL NUMBER/ CHROMAFFIN GRANULES, secretion/ \*CHROMAFFIN GRANULES, ultrastructure/ \*CHROMAFFIN SYSTEM, ultrastructure/ CYTOPLASM, ultrastructure/ DOGS/ FEMALE/ MALE/ MICROSCOPY, ELECTRON



# AUTHOR SECTION

1945. Kajii T, Ohama K, Mikamo K: Anatomic and chromosomal anomalies in 944 induced abortions. *Hum Genet* 43(3):247-58, 19 Sep 78  
\*ABNORMALITIES, etiology/ \*ABORTION, INDUCED/ \*CHROMOSOME ABERRATIONS/ FEMALE/ FETUS, pathology/ GESTATIONAL AGE/ HUMAN/ MATERNAL AGE/ PLACENTA, pathology/ PREGNANCY/ SEX CHROMATIN/ SEX DETERMINATION
1946. Kakihana R, Moore JA: Regional uptake of endogenous corticosterone by rat brain following stress. *Res Commun Chem Pathol Pharmacol* 21(2):213-22, Aug 78  
ANIMAL/ \*BRAIN, metabolism/ COMPARATIVE STUDY/ CORTICOSTERONE, blood/ \*CORTICOSTERONE, metabolism/ FEMALE/ PITUITARY GLAND, metabolism/ RATS/ \*STRESS, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1947. Kakimoto Y, Miyake M, Inoue R: [Neuro-peptide (author's transl)] *No To Shinkei* 30(6):591-604, Jun 78 (61 ref.) (Jpn)  
ANIMAL/ BIOLOGICAL TRANSPORT/ \*BRAIN CHEMISTRY/ DOGS/ ENDORPHINS, physiology/ ENKEPHALINS, physiology/ FROGS/ LH-FSH RELEASING HORMONE, physiology/ MICE/ \*PEPTIDES, analysis/ PITUITARY HORMONE RELEASING HORMONES, analysis/ REVIEW/ SOMATOTROPIN RELEASE INHIBITING HORMONE, analysis/ SUBSTANCE P, analysis/ SUBSTANCE P, physiology/ THYROTROPIN RELEASING HORMONE, analysis
1948. Káldi N, Sándor T: A primer mellékpajzsmirigyűtműködés felismeréséről egy eset kapcsán. *Orv Hetil* 119(38):2323-6, 17 Sep 78 (Hun)  
CALCIUM, blood/ CASE REPORT/ HUMAN/ HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, blood/ HYPERPARATHYROIDISM, complications/ \*HYPERPARATHYROIDISM, diagnosis/ MALE/ MIDDLE AGE/ OSTEITIS FIBROSA CYSTICA, blood/ OSTEITIS FIBROSA CYSTICA, etiology
1949. Kaledin VI, Glazko TT, Krass PM, et al: Mekhanizmy immunodepresii, vyzvaemoi u myshei u myshei orto-aminoazotoluolom i ego nekanterosennym analogom. *Vopr Onkol* 24(9):46-52, 1978 (Eng. Abstr.) (Rus)  
\*O-AMINOAZOTOLUENE, immunology/ \*P-AMINOAZOBENZENE, immunology/ ANIMAL/ \*AZO COMPOUNDS, immunology/ CARCINOMA, KREBS 2, immunology/ ENGLISH ABSTRACT/ IMMUNIZATION/ \*IMMUNOSUPPRESSION/ MALE/ MICE/ MICE, INBRED C57BL/ MICE, INBRED STRAINS/ NEOPLASM TRANSPLANTATION/ THYMUS GLAND, drug effects/ TIME FACTORS/ 11-HYDROXYCORTICOSTEROIDS, blood
1950. Kalinin AP, Selishcheva RF: O vzaimosvizi gastroenterologicheskikh i gematologicheskikh narushenii pri vrozhdennomu gipotireoze. *Pediatrica* (9):53-7, Sep 78 (Eng. Abstr.) (Rus)  
ADOLESCENCE/ \*ANEMIA, etiology/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ \*GASTRITIS, etiology/ HUMAN/ \*HYPERTHYROIDISM, congenital/ HYPERTHYROIDISM, complications/ INFANT/ INFANT, NEWBORN/ \*INTESTINAL DISEASES, etiology/ \*INTESTINE, LARGE
1951. Kalivas PW, Halpern LM, Horita A: Decrease in pentobarbital sleeping time by TRH: characterization with power spectral analysis of EEG. *Proc West Pharmacol Soc* 21:443-6, 1978  
ANIMAL/ \*AROUSAL, drug effects/ AROUSAL, physiology/ CEREBRAL CORTEX, drug effects/ CEREBRAL CORTEX, physiology/ \*ELECTROENCEPHALOGRAPHY/ HIPPOCAMPUS, drug effects/ HIPPOCAMPUS, physiology/ \*PENTOBARBITAL, antagonists & inhibitors/ RATS/ \*SLEEP, drug effects/ SLEEP, physiology/ \*THYROTROPIN RELEASING HORMONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1952. Kallée E, Wahl R, Scherbaum W, et al: Selektive Blockade von Schilddrüsenadenomen durch kleine Perchloratdosen. *Med Welt* 29(42):1641-4, 20 Oct 78 (Ger)  
\*ADENOMA, drug therapy/ HUMAN/ PERCHLORIC ACIDS, administration & dosage/ \*PERCHLORIC ACIDS, therapeutic use/ \*THYROID NEOPLASMS, drug therapy
1953. Kalra SP, Kalra PS, Chen CL, et al: Effect of norepinephrine synthesis inhibitors and a dopamine agonist on hypothalamic LH-RH serum gonadotrophin and prolactin levels in gonadal steroid treated rats. *Acta Endocrinol (Copenh)* 89(1):1-9, Sep 78  
ANIMAL/ CASTRATION/ \*DIETHYLDITHIOCARBAMATE, pharmacodynamics/ \*ERGOLINES, pharmacodynamics/ \*ESTRADIOL, pharmacodynamics/ FEMALE/ FSH, blood/ \*FSH, secretion/ HYPOTHALAMO-HYPOPHYSAL SYSTEM/ HYPOTHALAMUS, drug effects/ \*HYPOTHALAMUS, secretion/ \*LERGOTRILE MESYLATE, pharmacodynamics/ LH, blood/ \*LH, secretion/ \*LH-FSH RELEASING HORMONE, secretion/ \*PHENYLTHIAZOLYLTHIOUREA, pharmacodynamics/ \*PHENYLTHIOUREA, analogs & derivatives/ \*PROGESTERONE, pharmacodynamics/ PROLACTIN, blood/ \*PROLACTIN, secretion/ RATS/ \*THIOCARBAMATES, pharmacodynamics
1954. Kalra SP, Kalra PS: Central neural control of endocrine rhythms in the rat. pp. 153-62.  
In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
ADRENALECTOMY/ ANIMAL/ \*BRAIN, physiology/ \*CIRCADIAN RHYTHM/ ESTRADIOL, blood/ \*ESTRUS/ FEMALE/ HYPOTHALAMUS, physiology/ LH, blood/ LH-FSH RELEASING HORMONE, blood/ MALE/ MONOGRAPH/ PROGESTERONE, blood/ RATS/ STANOLONE, blood/ TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1955. Kameyama T, Ukai M, Nabeshima T: Effects of catecholaminergic or tryptaminergic agents on the morphine-induced Straub tail reaction. *Jpn J Pharmacol* 28(2):249-57, Apr 78  
ANIMAL/ BRAIN CHEMISTRY/ \*BRAIN, drug effects/ CATECHOLAMINES, analysis/ \*CATECHOLAMINES, physiology/ CENTRAL NERVOUS SYSTEM, analysis/ \*CENTRAL NERVOUS SYSTEM, physiology/ DIETHYLDITHIOCARBAMATE, pharmacodynamics/ DRUG SYNERGISM/ FEMALE/ HALOPERIDOL, pharmacodynamics/ MICE/ MORPHINE, antagonists & inhibitors/ \*MORPHINE, pharmacodynamics/ MOTOR ACTIVITY, drug effects/ PROPRANOLOL, pharmacodynamics/ SEROTONIN, pharmacodynamics/ SPINAL CORD, analysis/ TAIL, innervation/ TRYPTAMINES, analysis/ \*TRYPTAMINES, physiology
1956. Kampmann H, Garbe G, von der Ropp D, et al: Der Einfluss von Säure- und Laugenwirkung auf die Entwicklung der morphologischen und biochemischen Wundreaktionen. *Z Rechtsmed* 82(1):71-88, 28 Sep 78 (Eng. Abstr.) (Ger)  
ANIMAL/ ENGLISH ABSTRACT/ GUINEA PIGS/ HISTAMINE, analysis/ \*HYDROCHLORIC ACID, pharmacodynamics/ SEROTONIN, analysis/ \*SKIN, drug effects/ SKIN, metabolism/ SKIN, pathology/ \*SODIUM HYDROXIDE, pharmacodynamics/ \*WOUND HEALING, drug effects/ WOUNDS AND INJURIES, metabolism/ WOUNDS AND INJURIES, pathology
1957. Kamyab SD, Zadeh JG: Uterine prolapse in pregnancy caused by a very large mucinous cyst. *Acta Med Iran* 19(4):245-54, 1976  
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ INFANT, NEWBORN/ \*OVARIAN CYSTS, complications/ OVARIAN CYSTS, pathology/ OVARIAN CYSTS, surgery/ OVARY, pathology/ \*PREGNANCY COMPLICATIONS/ PREGNANCY/ \*UTERINE PROLAPSE, etiology
1958. Kanadys W, Kasprzak H: Krwotok jajnikowy w bezpośrednim okresie po cholecystektomii. *Wiad Lek* 31(16):1179-80, 15 Aug 78 (Eng. Abstr.) (Pol)  
ADULT/ CASE REPORT/ \*CHOLECYSTECTOMY, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ \*HEMORRHAGE, etiology/ HUMAN/ \*OVARY, injuries/ RUPTURE
1959. Kanatsuka A, Makino H, Matsushima Y, et al: [The effect of Ritalin, CB-154 and various drugs of serum GH in



# AUTHOR SECTION

- acromegalics (author's transl)]  
Nippon Naibunpi Gakkai Zasshi 54(5):636-47, 20 May 78  
(Eng. Abstr.) (Jpn)  
\*ACROMEGALY, blood/ ACROMEGALY, drug  
therapy/ ADULT/ AGED/ COMPARATIVE  
STUDY/ ENGLISH ABSTRACT/ FEMALE/  
HUMAN/ LEVODOPA, pharmacodynamics/ LH-FSH  
RELEASING HORMONE, pharmacodynamics/  
MALE/ \*METHYLPHENIDATE,  
pharmacodynamics/ METHYLPHENIDATE,  
therapeutic use/ MIDDLE AGE/ \*SOMATOTROPIN,  
blood/ THYROTROPIN RELEASING HORMONE,  
pharmacodynamics/ \*2-BROMOERGOCRYPTINE,  
pharmacodynamics/ 2-BROMOERGOCRYPTINE,  
therapeutic use
1960. Kanda K, Wakabayashi K, Yamaguchi H, et al: [Effects of  
various endocrinous treatments and differentiation on the  
somatostatin volume in the rat hypothalamus]  
Horumon To Rinsho 26(6):533-6, Jun 78 (Jpn)  
ADRENALECTOMY/ AFFERENT PATHWAYS,  
physiology/ ANIMAL/ CORTICOTROPIN,  
pharmacodynamics/ DEXAMETHASONE,  
pharmacodynamics/ HYPOPHYSECTOMY/  
\*HYPOTHALAMO-HYPOPHYSEAL SYSTEM,  
analysis/ MALE/ RATS/ \*SOMATOTROPIN  
RELEASE INHIBITING HORMONE, analysis/  
SOMATOTROPIN, pharmacodynamics/  
THYROIDECTOMY/ THYROXINE,  
pharmacodynamics
1961. Kandeel FR, Rudd BT, Butt WR, et al: Androgen and cortisol  
responses to ACTH stimulation in women with  
hyperprolactinaemia. Clin Endocrinol (Oxf) 9(2):123-30, Aug  
78  
ADRENAL GLANDS, physiopathology/ ADULT/  
\*CORTICOTROPIN, diagnostic use/  
\*DEHYDROEPIANDROSTERONE, blood/  
FEMALE/ HUMAN/ \*HYDROCORTISONE, blood/  
\*PROLACTIN, blood/ STANOLONE, blood/  
STIMULATION, CHEMICAL/ TESTOSTERONE,  
blood/ 2-BROMOERGOCRYPTINE, therapeutic use
1962. Kaneda H, Matsumoto J, Haruyama T, et al: Elevated plasma  
renin activity in patients with acute pyelonephritis.  
Tohoku J Exp Med 125(2):169-76, Jun 78  
ACUTE DISEASE/ ADULT/ BLOOD PRESSURE/  
FEMALE/ HUMAN/ ISCHEMIA, enzymology/  
KIDNEY, blood supply/ MALE/ MIDDLE AGE/  
\*PYELONEPHRITIS, enzymology/ \*RENIN, blood/  
SODIUM, urine
1963. Kaneko K, Sato K, Sato H: [Reproducibility and interaction  
of TRH and LHRH on pituitary hormones and its clinical  
significance (author's transl)] Rinsho Byori 26(6):462-7, Jun  
78 (Jpn)  
ADULT/ BRAIN DISEASES, diagnosis/ HUMAN/  
HYPOTHALAMUS/ \*LH-FSH RELEASING  
HORMONE, diagnostic use/ MALE/ PITUITARY  
DISEASES, diagnosis/ \*THYROTROPIN  
RELEASE INHIBITING HORMONE, diagnostic use
1964. Kaneko T, Matumoto M, Fukui K, et al: [Clinical evaluation  
of CT value of the thyroid (author's transl)]  
Nippon Igaku Hoshasen Gakkai Zasshi 38(7):710-2, 25 Jul  
78 (Eng. Abstr.) (Jpn)  
CHRONIC DISEASE/ ENGLISH ABSTRACT/  
EVALUATION STUDIES/ HUMAN/  
HYPERTHYROIDISM, radiography/ \*THYROID  
GLAND, radiography/ THYROIDITIS, radiography/  
\*TOMOGRAPHY, COMPUTERIZED AXIAL
1965. Kanezuka H, Makino E, Matsushima Y, et al: [Effects of  
growth hormone administration on the somatostatin content  
of the hypothalamus] Horumon To Rinsho 26(6):587-8, Jun  
78 (Jpn)  
ANIMAL/ \*HYPOTHALAMUS, analysis/ MALE/  
RATS/ \*SOMATOTROPIN RELEASE INHIBITING  
HORMONE, analysis/ \*SOMATOTROPIN,  
pharmacodynamics
1966. Kang ES, Gates RE, Farmer DM: Localization of the catalytic  
subunit of a cyclic AMP-dependent protein kinase(S) and  
acceptor proteins on the external surface of the fat cell  
membrane. Biochem Biophys Res Commun 83(4):1561-9, 29  
Aug 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ADENOSINE TRIPHOSPHATE,  
metabolism/ \*ADIPOSE TISSUE, enzymology/  
ADIPOSE TISSUE, ultrastructure/ ANIMAL/ CELL  
MEMBRANE, enzymology/ CELL MEMBRANE,  
metabolism/ MALE/ \*MEMBRANE PROTEINS,  
metabolism/ MOLECULAR WEIGHT/  
PHOSPHOPROTEINS, metabolism/  
PHOSPHORYLATION/ \*PROTEIN KINASE,  
metabolism/ RATS
1967. Kanis JA: Renal disease and disorders of calcium metabolism  
Compr Ther 4(8):44-50, Aug 78  
\*BONE DISEASES, etiology/ BONE DISEASES  
therapy/ \*CALCIUM METABOLISM DISORDER  
complications/ CALCIUM, metabolism/ HUMAN/  
\*KIDNEY CALCULI, etiology/ KIDNEY CALCULI  
therapy/ \*KIDNEY DISEASES, complications/  
KIDNEY DISEASES, metabolism/ KIDNEY  
DISEASES, therapy/ KIDNEY, metabolism/  
PARATHYROID HORMONE, metabolism/  
PHOSPHATES, metabolism/ VITAMIN D, metabolism
1968. Kannel WB: Renin as a predictor of hypertensive complications  
discussion. Ann NY Acad Sci 304:161-4, 30 Mar 78  
CARDIOVASCULAR DISEASES, etiology/  
HUMAN/ \*HYPERTENSION, blood/  
HYPERTENSION, complications/ PROGNOSIS/  
\*RENIN, blood
1969. Kano T, Mizuchi A, Miyachi Y: [Radioimmunoassay for plasma  
betamethasone and its application for clinical study (author's  
transl)] Nippon Naibunpi Gakkai Zasshi 54(5):654-65, 20 May  
78 (Eng. Abstr.) (Jpn)  
ADULT/ AGED/ ANIMAL/ ANTIGENIC  
DETERMINANTS/ \*BETAMETHASONE, blood/  
DOGS/ ENGLISH ABSTRACT/ FEMALE/  
HUMAN/ HYDROCORTISONE, blood/ IMMUNE  
SERUMS/ LIVER DISEASES, blood/ MALE/  
MIDDLE AGE/ RABBITS/  
\*RADIOIMMUNOASSAY, methods
1970. Kanter WR, Eldridge R: Maternal effect in central  
neurofibromatosis [letter] Lancet 2(8095):903, 21 Oct 70  
ADOLESCENCE/ ADULT/ AGE FACTORS/  
FEMALE/ HUMAN/ INFANT, NEWBORN/  
MATERNAL-FETAL EXCHANGE/ NERVE  
GROWTH FACTOR/ \*NEUROFIBROMATOSIS  
familial & genetic/ \*NEUROMA, ACOUSTIC, familial &  
& genetic/ PREGNANCY/ SEX FACTORS
1971. Kao GF, Norris HJ: Benign and low grade variants of mesodermal  
tumor (adenosarcoma) of the ovary and adnexal region. Cancer 42(3):1314-24, Sep 78  
\*ADENOFIBROMA, pathology/ ADENOFIBROMA  
therapy/ \*ADNEXA UTERI/ ADULT/ AGED/  
EPITHELIUM, ultrastructure/ FEMALE/ HUMAN/  
MICROSCOPY, ELECTRON, SCANNING/  
MICROVILLI, ultrastructure/ MIDDLE AGE/  
NEOPLASM INVASIVENESS/ NEOPLASM  
METASTASIS/ \*OVARIAN NEOPLASMS,  
pathology/ OVARIAN NEOPLASMS, therapy/  
\*ROUND LIGAMENT/ \*SARCOMA, pathology/  
SARCOMA, therapy
1972. Kapitola J, Vilimovská D: Srovnání hemodynamického účinku  
triiodothyroninu a tyroxinu u kryš. Sb Lek 80(9):262-5, 1972  
(Eng. Abstr.) (Cze)  
ANIMAL/ BLOOD PRESSURE, drug effects/  
COMPARATIVE STUDY/ ENGLISH ABSTRACT/  
HEART RATE, drug effects/ \*HEMODYNAMICS,  
drug effects/ MALE/ RATS/ \*THYROXINE,  
pharmacodynamics/ \*TRIIODOTHYRONINE,  
pharmacodynamics
1973. Kaplan E: Historical development of 32P in bone therapy  
pp. 237-49.  
In: Spencer RP, ed. Therapy in nuclear medicine. New York,  
Grune & Stratton, 1978. WN 450 T398 1977.  
ANIMAL/ BONE AND BONES, pathology/ BONE  
NEOPLASMS, drug therapy/ BONE NEOPLASMS,  
pathology/ \*BONE NEOPLASMS, radiotherapy/  
BONE REGENERATION/ BREAST NEOPLASMS,  
FEMALE/ HUMAN/ MALE/ MICE/  
MONOGRAPH/ NEOPLASM METASTASIS/  
PARATHYROID HORMONE, therapeutic use/  
PHOSPHATES, therapeutic use/ \*PHOSPHORUS  
RADIOISOTOPES, therapeutic use/  
POLYPHOSPHATES, therapeutic use/ PROSTATE  
NEOPLASMS/ TESTOSTERONE, therapeutic use
1974. Kaplan SS, Boggs SS, Nardi MA, et al: Leukocyte-platelet  
interactions in a murine model of Chediak-Higashi syndrome  
Blood 52(4):719-25, Oct 78  
ANIMAL/ BLOOD BACTERICIDAL ACTIVITY/  
\*BLOOD PLATELETS, physiology/ CELL-FRE



## AUTHOR SECTION

- SYSTEM/ \*CHEDIAK-HIGASHI SYNDROME, blood/ \*DISEASE MODELS, ANIMAL/ \*LEUKOCYTES, physiology/ MICE/ MICE, INBRED C57BL/ SEROTONIN, pharmacodynamics/ UNITED STATES GOVT SUPPORTED, P.H.S.
1975. Kapoor CP: Effect of follicle stimulating hormone on the testes of *Puntius ticto* (Ham.). *Endokrinologie* 72(1):17-24, Apr 78  
ANIMAL/ FISHES/ \*FSH, pharmacodynamics/ HISTOCYTOCHEMISTRY/ MALE/ SPERMATOGENESIS, drug effects/ TESTIS, cytology/ TESTIS, drug effects/ \*TESTIS, physiology
1976. Kapur MM, Sarin R, Kumar V, et al: Evaluation of propranolol in the preoperative control of thyrotoxicosis. *Indian J Med Res* 67:453-61, Mar 78  
DRUG EVALUATION/ HUMAN/ \*HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, surgery/ POSTOPERATIVE CARE/ \*PREOPERATIVE CARE/ \*PROPRANOLOL, therapeutic use
1977. Karakhanian E: O roli tuberkuleznoi infektsii v etiologii i patogenезе iuvenil'nogo zoba. *Pediatrica* (9):48-50, Sep 78 (Rus)  
ADOLESCENCE/ CHILD/ FEMALE/ \*GOITER, etiology/ HUMAN/ MALE/ \*TUBERCULOSIS, complications
1978. Karam K, Mroueh A: Ovarian biopsy in the evaluation of amenorrhea. *Acta Obstet Gynecol Scand* 57(4):361-11, 1978  
ADOLESCENCE/ ADULT/ AMENORRHEA, etiology/ \*AMENORRHEA, pathology/ CULDOSCOPY/ FEMALE/ FSH, blood/ FSH, urine/ GRAAFIAN FOLLICLE/ HUMAN/ HYPERPLASIA/ HYPOGONADISM, pathology/ LH, blood/ LH, pharmacodynamics/ \*OVARY, pathology/ OVULATION/ PERITONEOSCOPY/ UTERUS, abnormalities
1979. Karat AB: Complications of leprosy. *Lepr India* 50(3):405-13, Jul 78  
ANEMIA, etiology/ BONE AND BONES, pathology/ ENDOCRINE GLANDS, pathology/ EYE DISEASES, etiology/ HUMAN/ KIDNEY DISEASES, etiology/ \*LEPROSY, complications/ LEPROSY, pathology/ LIVER, pathology/ LYMPH NODES, pathology/ MUSCLES, pathology/ OTORHINOLARYNGOLOGIC DISEASES, etiology/ PERIPHERAL NERVE DISEASES, etiology/ SKIN, pathology/ SWEATING
1980. Karczewski WA, Budzińska K, Nasłowska E, et al: Rate of rise of inspiration at various levels of CNS excitability. *Adv Exp Med Biol* 99:23-33, 1978  
ALTHESIN, pharmacodynamics/ \*ANESTHETICS, pharmacodynamics/ ANIMAL/ ANIMALS, NEWBORN/ CERCOPTHECUS SABEUS/ ELECTRIC STIMULATION/ HALOTHANE, pharmacodynamics/ KETAMINE, pharmacodynamics/ MONKEYS/ PENTOBARBITAL, pharmacodynamics/ PHRENIC NERVE, drug effects/ RABBITS/ \*RESPIRATION, drug effects/ \*RESPIRATORY CENTER, drug effects/ RETICULAR FORMATION, drug effects/ VAGUS NERVE, drug effects
1981. Kardachi BJ, Newcomb GM: A clinical study of gingival inflammation in renal transplant recipients taking immunosuppressive drugs. *J Periodontol* 49(6):307-9, Jun 78  
ADOLESCENCE/ ADULT/ AGED/ AZATHIOPRINE, pharmacodynamics/ \*AZATHIOPRINE, therapeutic use/ COMPARATIVE STUDY/ DENTAL PLAQUE, complications/ FEMALE/ \*GINGIVITIS, etiology/ GINGIVITIS, immunology/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, pharmacodynamics/ \*IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ \*KIDNEY, transplantation/ MALE/ MIDDLE AGE/ PERIODONTAL INDEX/ PREDNISONE, pharmacodynamics/ \*PREDNISONE, therapeutic use/ T-LYMPHOCYTES, drug effects/ TRANSPLANTATION, ALLOGENEIC
1982. Kardash'ian GK, Bardakhch'ian EA: Svetoopticheskoe i elektronno-mikroskopicheskoe issledovanie izmenenii v strukture zadnei doli gipofiza, vyzvannykh dlitel'nyim razdavlivaniem miagkikh tkanei. *Arkhn Anat Gistol Embriol* 75(8):56-63, Aug 78 (Eng. Abstr.) (Rus)  
ANIMAL/ \*CRUSH SYNDROME, pathology/
- DOGS/ ENGLISH ABSTRACT/ MALE/ MICROSCOPY, ELECTRON/ \*PITUITARY GLAND, POSTERIOR, pathology/ PITUITARY GLAND, POSTERIOR, secretion/ PITUITARY GLAND, POSTERIOR, ultrastructure/ PITUITARY HORMONES, POSTERIOR, secretion/ \*SHOCK, TRAUMATIC, pathology/ TIME FACTORS
1983. Karim MM: Prostaglandins-physiological basis of practical applications. *Nurs J Singapore* 18(1):35-40, May 78  
ABORTION/ ABORTION, INDUCED/ FEMALE/ HUMAN/ LABOR/ LABOR, INDUCED/ MALE/ MENSTRUATION/ PREGNANCY/ \*PROSTAGLANDINS, physiology/ PROSTAGLANDINS, therapeutic use/ \*REPRODUCTION
1984. Karmali RA, Horrobin DF, Ghayur T, et al: Influence of agents which modulate thromboxane A2 synthesis or action on R3230AC mammary carcinoma. *Cancer Lett* 5(4):205-8, Oct 78  
ANIMAL/ COLCHICINE, pharmacodynamics/ COPPER, pharmacodynamics/ DIAZEPAM, pharmacodynamics/ DIPYRIDAMOLE, pharmacodynamics/ FEMALE/ \*MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ MELATONIN, pharmacodynamics/ RATS/ THROMBOXANE A2, antagonists & inhibitors/ THROMBOXANE A2, biosynthesis/ \*THROMBOXANE A2, physiology/ \*THROMBOXANES, physiology
1985. Kasai K, Suzuki H, Nakamura T, et al: A case of pituitary apoplexy with spontaneous recovery. *Endocrinol Jpn* 25(3):209-16, Jun 78  
ADENOMA, blood/ \*ADENOMA, complications/ ADULT/ CASE REPORT/ CEREBROVASCULAR DISORDERS, blood/ \*CEREBROVASCULAR DISORDERS, complications/ HUMAN/ MALE/ \*PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, secretion/ \*PROLACTIN, secretion
1986. Kasatkina LV, Pivovarov VN, Rossel's AN, et al: Sostoianie uglevodnogo obmena i aktivnost' riada gormonal'nykh faktorov u bol'nykh ishemicheskoi bolezni'u serdtsa s koronarnym aterosklerozom. *Vestn Akad Med Nauk SSSR* (10):62-7, 1978 (Eng. Abstr.) (Rus)  
\*CARBOHYDRATES, metabolism/ \*CORONARY DISEASE, metabolism/ ENGLISH ABSTRACT/ \*HORMONES, metabolism/ HUMAN/ MALE/ MIDDLE AGE
1987. Kaspa RT, Naparstek Y: Thyroiditis and alkaline phosphatase [letter] *Ann Intern Med* 89(4):578, Oct 78  
\*ALKALINE PHOSPHATASE, blood/ HUMAN/ \*THYROIDITIS, enzymology
1988. Kasperlik-Zaluska A, Hartwig W, Nielubowicz J, et al: Analiza obrazu klinicznego 111 przypadków nadczynności Kory nadnerczy. Wyniki leczenia operacyjnego. *Endokrynol Pol* 29(4):273-88, Jul-Aug 78 (Eng. Abstr.) (Pol)  
ADOLESCENCE/ \*ADRENAL GLAND HYPERFUNCTION, surgery/ ADRENAL GLAND NEOPLASMS, secretion/ \*ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE
1989. Kasprisin DO, Harris MB: The role of protein synthesis in polymorphonuclear leukocyte phagocytosis II. *Exp Hematol* 6(7):585-9, Aug 78  
GLUCOSE, metabolism/ HUMAN/ IODINE, metabolism/ MYELOPEROXIDASE, metabolism/ \*NEUTROPHILS, metabolism/ OXIDATION-REDUCTION/ \*PHAGOCYTOSIS/ PHAGOCYTOSIS, drug effects/ \*PROTEINS, biosynthesis/ PUROMYCIN, pharmacodynamics/ STAPHYLOCOCCUS/ TIME FACTORS
1990. Kassis V, Søndergaard J: Prostaglandiner, tromboksaner og prostacyklin. *Ugeskr Laeger* 140(46):2843-5, 13 Nov 78 (Eng. Abstr.) (Dan)  
CHEMISTRY/ ENGLISH ABSTRACT/ HUMAN/ \*PROSTAGLANDINS X/ \*PROSTAGLANDINS/ PROSTAGLANDINS, therapeutic use/ SKIN DISEASES, drug therapy/ \*THROMBOXANES

# AUTHOR SECTION

1991. Kasuya Y, Murata T, Okabe S: Influence of surgical sympathectomy on gastric secretion and ulceration in rats. *Jpn J Pharmacol* 28(2):297-304, Apr 78  
ACETIC ACIDS/ ANIMAL/ ASPIRIN/ \*GASTRIC JUICE, secretion/ GASTROINTESTINAL SYSTEM, pathology/ INDOMETHACIN/ MALE/ RATS/ RESERPINE/ SEROTONIN/ STOMACH ULCER, chemically induced/ \*STOMACH ULCER, etiology/ STRESS/ \*SYMPATHECTOMY
1992. Kaswin D, Jehanno C, Jadat R, et al: Réflexions tirées de l'étude de 240 dossiers d'intervention en chirurgie parathyroïdienne. *Anesth Analg (Paris)* 35(2):321-31, Mar-Apr 78 (Fre)  
ADOLESCENCE/ ADULT/ AGED/ ANESTHESIA, methods/ FEMALE/ HUMAN/ HYPERPARATHYROIDISM, etiology/ \*HYPERPARATHYROIDISM, surgery/ \*HYPERPARATHYROIDISM, SECONDARY, surgery/ MALE/ MIDDLE AGE/ PARATHYROID NEOPLASMS, complications/ PARATHYROID NEOPLASMS, surgery/ PARIS/ POSTOPERATIVE CARE/ POSTOPERATIVE COMPLICATIONS/ PREMEDICATION/ PREOPERATIVE CARE/ RETROSPECTIVE STUDIES
1993. Katahira K, Suda H: [Behavioral changes after partial damage of limbic system—effects of unilateral lesion of amygdala in cats (author's transl)] *Neurol Med Chir (Tokyo)* 18(5 Pt 2):401-7, Jul 78 (Eng. Abstr.) (Jpn)  
\*AGNOSIA, etiology/ \*AMYGDALOID BODY, surgery/ ANIMAL/ CATS/ ENGLISH ABSTRACT/ ESCAPE REACTION/ FEMALE/ MALE/ \*SEX BEHAVIOR, ANIMAL, physiology
1994. Katakhar SB, Franks CR: Chemo-hormonal therapy for metastatic renal cell carcinoma with adriamycin, hydroxyurea, vinblastine, and medroxyprogesterone acetate. *Cancer Treat Rep* 62(9):1379-80, Sep 78  
\*ADENOCARCINOMA, drug therapy/ AGED/ \*ANTINEOPLASTIC AGENTS, therapeutic use/ DOXORUBICIN, therapeutic use/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ HYDROXYUREA, therapeutic use/ \*KIDNEY NEOPLASMS, drug therapy/ MALE/ MEDROXYPROGESTERONE, therapeutic use/ MIDDLE AGE/ NEOPLASM METASTASIS/ VINBLASTINE, therapeutic use
1995. Katkov IuA: Vliianie izmeneniia urovnia monoaminov mozga na vosproizvedenie vyrabotannoi reaktsii izbavleniia u krysa. *Zh Vyssh Nerv Deiat* 28(4):752-5, Jul-Aug 78 (Eng. Abstr.) (Rus)  
P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ \*BRAIN, physiology/ DOPA, pharmacodynamics/ ENGLISH ABSTRACT/ ESCAPE REACTION, drug effects/ \*ESCAPE REACTION, physiology/ HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ METHYLTYROSINES, pharmacodynamics/ \*NOREPINEPHRINE, physiology/ PAIN/ RATS/ REACTION TIME, drug effects/ REACTION TIME, physiology/ \*SEROTONIN, physiology/ STRESS, PSYCHOLOGICAL, physiology
1996. Kato H: [Effects of gestagen on pregnancy maintenance and uterine contraction—experimental studies] *Horumon To Rinsho* 26(1):79-84, Jan 78 (Jpn)  
ANIMAL/ ESTRONE, pharmacodynamics/ FEMALE/ \*PREGNANCY MAINTENANCE, drug effects/ \*PREGNANCY, drug effects/ \*PROGESTERONE, pharmacodynamics/ RATS/ \*UTERINE CONTRACTION, drug effects
1997. Kato H, Velasco ME, Rothchild I: Effects of medial hypothalamic deafferentation on prolactin secretion in pseudopregnant rats. *Acta Endocrinol (Copenh)* 89(3):425-31, Nov 78  
\*AFFERENT PATHWAYS, physiology/ ANIMAL/ CORPUS LUTEUM, physiology/ DIURNAL RHYTHM/ FEMALE/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ \*HYPOTHALAMUS, physiology/ \*HYPOTHALAMUS, MEDIAL, physiology/ PROLACTIN, blood/ \*PROLACTIN, secretion/ \*PSEUDOPREGNANCY/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1998. Kato H, Velasco ME, Rothchild I: The role of the hypothalamus in the tonic secretion of prolactin induced by oestrogens in the rat. *Acta Endocrinol (Copenh)* 89(3):417-24, Nov 78
- AFFERENT PATHWAYS, physiology/ ANIMAL/ CASTRATION/ COMPARATIVE STUDY/ DIURNAL RHYTHM/ \*ESTRADIOL, pharmacodynamics/ FEMALE/ HYPOPHYSECTOMY/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM/ \*HYPOTHALAMUS, physiology/ MEDIAN EMINENCE, physiology/ PITUITARY GLAND, transplantation/ PROLACTIN, blood/ \*PROLACTIN, secretion/ RATS/ SECRETORY RATE, drug effects/ SESAME OIL, pharmacodynamics/ TIME FACTOR/ TRANSPLANTATION, AUTOLOGOUS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
1999. Kato J: [Steroid hormone receptor: its function and regulation] *Nippon Rinsho Suppl*:1506-7, May 78  
ANIMAL/ FEMALE/ HUMAN/ RATS/ \*RECEPTORS, STEROID, physiology
2000. Kato Y: [Treatment of acromegaly] *Nippon Rinsho Suppl*:1550-1, May 78  
\*ACROMEGALY, therapy/ HUMAN/ HYPOPHYSECTOMY
2001. Katsulov A: Prenosena bremennost. *Akush Ginekol (Sov)* 17(4):288-95, 1978 (56 ref.)  
ABSORPTION/ ADRENAL GLANDS, embryology/ ADRENAL GLANDS, physiopathology/ AMNIOSCOPY/ AMNIOTIC FLUID, metabolism/ ESTRIOL, urine/ FEMALE/ HUMAN/ INFANT, NEWBORN/ INFANT, POSTMATURE/ LABOR/ INDUCED/ PLACENTA, metabolism/ PLACENTAL ULTRASTRUCTURE/ PLACENTAL LACTOGEN, blood/ PREGNANCY COMPLICATIONS, diagnosis/ PREGNANCY COMPLICATIONS, etiology/ PREGNANCY/ \*PREGNANCY, PROLONGED/ REVIEW/ SOMATOTROPIN, blood/ ULTRASONICS, diagnostic use
2002. Katz AD, Bronson D: Total thyroidectomy. The indications and results of 630 cases. *Am J Surg* 136(4):450-4, Oct 1978  
ADENOMA, surgery/ ADOLESCENCE/ ADULT/ AGED/ CARCINOMA, surgery/ CHILD/ CHRONIC DISEASE/ FEMALE/ GOITER, EXOPHTHALMIC/ GOITER, NODULAR, surgery/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASMS, RADIATION-INDUCED, surgery/ POSTOPERATIVE COMPLICATIONS/ \*THYROID DISEASES, surgery/ \*THYROID NEOPLASMS, surgery/ \*THYROIDECTOMY/ THYROIDITIS, surgery
2003. Katz AM: The ischemic myocardium: mechanism of pump failure. *Hosp Pract* 13(6):83-91, Jun 78  
ACIDOSIS, physiopathology/ ACTION POTENTIALS/ ADENOSINE TRIPHOSPHATE, metabolism/ CALCIUM, metabolism/ CORONARY DISEASE, metabolism/ \*CORONARY DISEASE, physiopathology/ \*HEART, physiopathology/ HUMAN/ MYOCARDIAL CONTRACTION/ MYOCARDIUM, metabolism/ OXYGEN CONSUMPTION/ POTASSIUM, metabolism
2004. Katz P, Fauci AS: Inhibition of polyclonal B-cell activation by suppressor monocytes in patients with sarcoidosis. *Clin Exp Immunol* 32(3):554-62, Jun 78  
\*ANTIBODY FORMATION/ \*B-LYMPHOCYTES, immunology/ CLONE CELLS/ HEMOLYTIC PLAQUE TECHNIQUE/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ IMMUNOSUPPRESSION/ LYMPHOCYTE TRANSFORMATION/ LYMPHOCYTES, drug effects/ LYMPHOCYTES, radiation effects/ \*MONOCYTES, immunology/ POKEWED MITOGENS, pharmacodynamics/ \*SARCOIDOSIS, immunology/ X-RAYS
2005. Katz S, Remtulla MA: Phosphodiesterase protein activity stimulates calcium transport in cardiac microsomal preparations enriched in sarcoplasmic reticulum. *Biochem Biophys Res Commun* 83(4):1373-9, 29 Aug 1978  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ \*ADENOSINE TRIPHOSPHATE, metabolism/ \*ADENOSINE TRIPHOSPHATE, CALCIUM, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ \*BLOOD PROTEIN, pharmacodynamics/ \*CALCIUM, metabolism/ \*CALCIUM, metabolism/ \*CALCIUM, metabolism/ ENZYME ACTIVATION, drug effects/ PHOSPHODIESTERASES, metabolism/ PROTEIN KINASE, metabolism/ \*SARCOPLASMIC RETICULUM, metabolism/ STIMULATION, CHEMICAL



## AUTHOR SECTION

006. Katzenellenbogen JA: Comparative binding affinities of estrogen derivatives. *Cancer Treat Rep* 62(8):1243-9, Aug 78  
ANIMAL/ CHEMISTRY, PHARMACEUTICAL/ COMPARATIVE STUDY/ ESTROGENS, SYNTHETIC, diagnostic use/ \*ESTROGENS, SYNTHETIC, metabolism/ LIGANDS/ RECEPTORS, ESTROGEN, metabolism/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S.
007. Kaufman HE: Herpetic keratitis. Proctor Lecture. *Invest Ophthalmol Vis Sci* 17(10):941-57, Oct 78 (49 ref.)  
ADRENAL CORTX HORMONES, therapeutic use/ ANIMAL/ \*ANTIVIRAL AGENTS, therapeutic use/ BROMODEOXYURIDINE, therapeutic use/ CHEMISTRY/ CORNEAL ULCER, drug therapy/ DISEASE MODELS, ANIMAL/ DRUG THERAPY, COMBINATION/ DNA POLYMERASES, antagonists & inhibitors/ DNA, VIRAL, biosynthesis/ HUMAN/ IDOXURIDINE, pharmacodynamics/ IDOXURIDINE, therapeutic use/ INTERFERON, therapeutic use/ \*KERATITIS, DENDRITIC, drug therapy/ KERATITIS, DENDRITIC, pathology/ RECURRENCE/ REVIEW/ TRIFLUOROTHYIMIDINE, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VIDARABINE, therapeutic use
008. Kaufman JS, Hamburger RJ, Flamenbaum W: Tubuloglomerular feedback: effect of dietary NaCl intake. *Am J Physiol* 231(6):1744-9, Dec 76  
ANGIOTENSINS, physiology/ ANIMAL/ \*DIET/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GLOMERULAR FILTRATION RATE, drug effects/ \*KIDNEY TUBULES, physiology/ \*KIDNEY TUBULES, DISTAL, physiology/ \*KIDNEY TUBULES, PROXIMAL, physiology/ MALE/ RATS/ RENIN, physiology/ \*SODIUM CHLORIDE, pharmacodynamics/ SODIUM, urine
009. Kaufman-Friedman K: Hemangioma of clitoris, confused with adrenogenital syndrome: case report. *Plast Reconstr Surg* 62(3):452-4, Sep 78  
ADOLESCENCE/ \*ADRENOGENITAL SYNDROME, diagnosis/ CASE REPORT/ \*CLITORIS/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ \*HEMANGIOMA, CAVERNOUS, diagnosis/ HUMAN/ \*VULVAR NEOPLASMS, diagnosis
010. Kauschansky A, Genel M, Berg RW: [Role of H-Y antigen in sex determination (editorial)] *Harefuah* 94(12):435-7, 15 Jun 78 (Heb)  
\*HISTOCOMPATIBILITY ANTIGENS/ HUMAN/ \*SEX DETERMINATION
011. Kawa A, Taniguchi Y, Mizuguchi K, et al: Effect of intraventricular administration of noradrenaline and dopamine on the levels of corticosterone in rats and denervation hypersensitivity resulting from intraventricular administration of 6-hydroxydopamine. *Life Sci* 23(9):991-7, 4 Sep 78  
ANIMAL/ BRAIN, drug effects/ BRAIN, metabolism/ \*CORTICOSTERONE, metabolism/ DENERVATION/ DEXAMETHASONE, pharmacodynamics/ DOPAMINE, administration & dosage/ \*DOPAMINE, pharmacodynamics/ HYDROXYDOPAMINE, administration & dosage/ \*HYDROXYDOPAMINE, pharmacodynamics/ INJECTIONS, INTRAVENTRICULAR/ MALE/ NOREPINEPHRINE, administration & dosage/ \*NOREPINEPHRINE, pharmacodynamics/ RATS/ STRESS, metabolism
012. Kawa A, Ariyama T, Taniguchi Y, et al: Increased sensitivity to 5-hydroxytryptamine due to intraventricular administration of 5,6-dihydroxytryptamine. *Acta Endocrinol (Copenh)* 89(3):432-7, Nov 78  
ANIMAL/ \*BRAIN, metabolism/ CORTICOSTERONE, blood/ DARKNESS/ DENERVATION/ \*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ INJECTIONS, INTRAVENTRICULAR/ LIGHT/ MALE/ \*PITUITARY-ADRENAL SYSTEM, drug effects/ RATS/ SEROTONIN, metabolism/ \*SEROTONIN, pharmacodynamics/ SEROTONIN, physiology/ STRESS/ 5,6-DIHYDROXYTRYPTAMINE, administration & dosage/ \*5,6-DIHYDROXYTRYPTAMINE, pharmacodynamics
2013. Kawada J, Naito S: Morphological changes on the free surface of thyroid cells at the hormone secretion by scanning electron microscopy. *Endocrinol Jpn* 25(3):217-33, Jun 78  
ANIMAL/ DIURNAL RHYTHM/ MALE/ MICROSCOPY, ELECTRON/ MICROSCOPY, ELECTRON, SCANNING/ \*PROPYLTHIOURACIL, pharmacodynamics/ RATS/ THYROID GLAND, drug effects/ \*THYROID GLAND, ultrastructure/ \*THYROTROPIN, pharmacodynamics
2014. Kawagoe S, Hiroi M: [Effects of several estrogenic compounds on serum corticosteroid-binding globulin (CBG) and the estrogen thresholds for increasing CBG (author's transl)] *Nippon Naibunpi Gakkai Zasshi* 54(5):666-75, 20 May 78 (Eng. Abstr.) (Jpn)  
ADULT/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ ESTRADIOL, blood/ \*ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ \*ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ MENOPAUSE/ MENSTRUATION, drug effects/ MIDDLE AGE/ \*NORGESTREL, pharmacodynamics/ PREGNANCY/ \*PREMARIN, pharmacodynamics/ \*TRANSCORTIN, metabolism
2015. Kawakami M, Amijima K: [Mechanism involved in the basal body temperature--effects of sex hormones and gonadotropin on the temperature regulation system in rats] *Horumon To Rinsho* 26(6):603-9, Jun 78 (Jpn)  
ANIMAL/ \*BODY TEMPERATURE REGULATION, drug effects/ \*ESTRADIOL, pharmacodynamics/ FEMALE/ \*GONADOTROPINS, CHORIONIC, pharmacodynamics/ LH, pharmacodynamics/ \*PROGESTERONE, pharmacodynamics/ RATS/ THERMORECEPTORS, physiology
2016. Kawakami M, Yamaoka S, Matsushima M: Effect of sex hormones on the circadian rhythm of slow-wave and paradoxical sleep in female rats. pp. 132-6. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
ANIMAL/ CASTRATION/ \*CIRCADIAN RHYTHM, drug effects/ \*ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ MALE/ MONOGRAPH/ RATS/ SEX FACTORS/ \*SLEEP, drug effects/ \*SLEEP, REM, drug effects
2017. Kawamura H, Ibuka N: The search for circadian rhythm pacemakers in the light of lesion experiments. *Chronobiologia* 5(1):69-88, Jan-Mar 78 (127 ref.)  
ANIMAL/ APLYSIA, physiology/ \*BIOLOGICAL CLOCKS/ \*CIRCADIAN RHYTHM/ CRUSTACEA, physiology/ INSECTS, physiology/ \*LIGHT/ MAMMALS, physiology/ \*PHOTORECEPTORS, physiology/ PINEAL BODY, physiology/ REVIEW/ SUPRAOPTIC NUCLEUS, physiology/ VERTEBRATES, physiology
2018. Kawamura H, Tanaka G: Rapid monitoring of <sup>131</sup>I in the human thyroid gland using a Ge(Li) detector. *Health Phys* 35(2):416-7, Aug 78  
HUMAN/ \*IODINE RADIOISOTOPES, analysis/ MASS SCREENING/ METHODS/ RADIATION MONITORING, instrumentation/ \*THYROID GLAND, analysis
2019. Kawamura J, Daijyo K, Hosokawa S, et al: Hypothalamo-pituitary-testicular axis in men undergoing chronic intermittent hemodialysis. *Int J Artif Organs* 1(5):224-30, Sep 78  
ADULT/ CELL NUMBER/ CLOMIPHENE, diagnostic use/ ESTRADIOL, blood/ FSH, blood/ \*GONADOTROPINS, PITUITARY, blood/ \*HEMODIALYSIS/ HUMAN/ LH, blood/ LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ MIDDLE AGE/ PROLACTIN, blood/ \*SEX HORMONES, blood/ SOMATOTROPIN, blood/ \*SPERMATOOZOA, cytology/ TESTOSTERONE, blood/ UREMIA, blood/ UREMIA, therapy
2020. Kawano S, Hiraga K: Polychlorinated dibenzofurans--potent inducers of rat hepatic drug-metabolizing enzymes. *Jpn J Pharmacol* 28(2):305-15, Apr 78  
ANILINE HYDROXYLASE, biosynthesis/ ANIMAL/ \*BENZOFURANS, pharmacodynamics/ COMPARATIVE STUDY/ CYANIDES/ CYTOCHROME P-450, biosynthesis/



# AUTHOR SECTION

- DOSE-RESPONSE RELATIONSHIP, DRUG/  
ENZYME INDUCTION, drug effects/ FLAVONES,  
pharmacodynamics/ \*LIVER, enzymology/ MALE/  
METYRAPONE, pharmacodynamics/  
MICROSOMES, LIVER, enzymology/  
NITROANISOLE O-DEMETHYLASE, antagonists &  
inhibitors/ NITROANISOLE O-DEMETHYLASE,  
biosynthesis/ PHENOBARBITAL, pharmacodynamics/  
POLYCHLOROBIPHENYL COMPOUNDS,  
pharmacodynamics/ RATS/ SPECTRUM  
ANALYSIS/ SUBSTRATE SPECIFICITY/ TIME  
FACTORS
2021. Kawashima K, Ogata K, Watanabe E, et al: [Intensive treatment  
aiming at eradication of chronic myelogenous leukemia  
(author's transl)] Rinsho Ketsueki 19(4):392-9, Apr 78 (Eng.  
Abstr.) (Jpn)  
ADOLESCENCE/ ADULT/  
CYCLOPHOSPHAMIDE, administration & dosage/  
CYTARABINE, administration & dosage/  
DAUNOMYCIN, administration & dosage/ DRUG  
THERAPY, COMBINATION/ ENGLISH  
ABSTRACT/ FEMALE/ HUMAN/ \*LEUKEMIA,  
MYELOCYTIC, therapy/ MALE/  
MERCAPTOPYRINE, administration & dosage/  
MIDDLE AGE/ PREDNISOLONE, administration &  
dosage/ SPLENECTOMY
2022. Kawazu S, Boscherio AC, Delcroix C, et al: The  
stimulus-secretion coupling of glucose-induced insulin  
release. XXVIII. Effect of glucose on Na<sup>+</sup> fluxes in isolated  
islets. Pfluegers Arch 375(2):197-206, 18 Jul 78  
ANIMAL/ BIOLOGICAL TRANSPORT/  
CALCIUM, metabolism/ CATIONS,  
MONOVALENT, metabolism/ CYTOSOL, analysis/  
EXTRACELLULAR SPACE, analysis/ FEMALE/  
\*GLUCOSE, pharmacodynamics/  
GLYCERALDEHYDE, pharmacodynamics/ IN  
VITRO/ \*ISLANDS OF LANGERHANS,  
metabolism/ OUABAIN, pharmacodynamics/  
PERFUSION/ RATS/ \*SODIUM, metabolism/  
VERATRIDINE, pharmacodynamics
2023. Kay BG, Adelman DN: Distributing estrogen patient package  
inserts to institutional patients. Am J Hosp Pharm  
35(9):1071-2, Sep 78  
AMBULATORY CARE/ \*DRUG INFORMATION  
SERVICES, organization & administration/ \*DRUG  
LABELING/ \*ESTROGENS/ HOSPITAL BED  
CAPACITY, 500 AND OVER/  
HOSPITALIZATION/ HUMAN/ \*INFORMATION  
SERVICES/ INFORMED CONSENT/ NEW YORK  
CITY/ \*PATIENTS, education/ PHARMACY  
SERVICE, HOSPITAL, organization & administration/  
PHYSICIAN'S ROLE
2024. Kay HR, Levine FH, Fallon JT, et al: Effect of cross-clamp  
time, temperature, and cardioplegic agents on myocardial  
function after induced arrest. J Thorac Cardiovasc Surg  
76(5):590-603, Nov 78  
ANIMAL/ \*CORONARY DISEASE, prevention &  
control/ DOGS/ DRUG SCREENING/ GLUCOSE,  
pharmacodynamics/ \*HEART ARREST, INDUCED/  
HEART, drug effects/ \*HEART, physiology/  
HYDROCORTISONE, pharmacodynamics/ INSULIN,  
pharmacodynamics/ MYOCARDIAL  
CONTRACTION/ PERFUSION/  
POSTOPERATIVE COMPLICATIONS, prevention &  
control/ \*POTASSIUM, pharmacodynamics/  
\*PROCAINE, pharmacodynamics/ PROPRANOLOL,  
pharmacodynamics/ TEMPERATURE/ TIME  
FACTORS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
2025. Kay RN, Thivend P, Goodall ED, et al: Mineral absorption  
from the digestive tract of calves before and after weaning.  
Proc Nutr Soc 37(2):58A, Sep 78  
ANIMAL/ CALCIUM, metabolism/ CATTLE/  
COPPER, metabolism/ ILEUM, metabolism/  
\*INTESTINAL ABSORPTION/ IRON, metabolism/  
MAGNESIUM, metabolism/ MANGANESE,  
metabolism/ \*MINERALS/ \*MINERALS,  
metabolism/ PHOSPHORUS, metabolism/ TIME  
FACTORS/ \*WEANING/ ZINC, metabolism
2026. Kazakov VN, Kravtsov PY, Rassokhin VN:  
Electrophysiological investigation of cortico-hypothalamic  
relations in cats. Neurosci Behav Physiol 8(2):138-43,  
Apr-Jun 77  
ANIMAL/ CATS/ \*CEREBRAL CORTEX,  
physiology/ EVOKED POTENTIALS/ FRONTAL  
LOBE, physiology/ HIPPOCAMPUS, physiology/  
\*HYPOTHALAMUS, physiology/ MAMMILLAR  
BODIES, physiology/ MEDIAN FOREBRAIN  
BUNDLE, physiology/ NEURAL PATHWAYS,  
physiology/ PREOPTIC AREA, physiology/  
TEMPORAL LOBE, physiology
2027. Kazanskaia LV, Galyuker II, Bobylev RV, et al: Poluche  
vysokoochishchennykh polinenasyshchennykh zhirnykh  
kislot. Farmatsiia 27(4):35-9, Jul-Aug 78 (Eng. Abstr.) (R)  
ANIMAL/ ARACHIDONIC ACIDS, isolation &  
purification/ CATTLE/ CHROMATOGRAPHY/  
ENGLISH ABSTRACT/ FATTY ACIDS,  
UNSATURATED, analysis/ \*FATTY ACIDS,  
UNSATURATED, isolation & purification/ MALL  
PANCREAS/ SPECTRUM ANALYSIS, MASS/  
TESTIS/ 8,11,14-EICOSATRIENOIC ACID, isola  
& purification
2028. Kazarian EL, Gager WE: Optic neuritis complicating mea  
sumps, and rubella vaccination. Am J Ophthalmol  
86(4):544-7, Oct 78  
ADULT/ CASE REPORT/ CHILD/ FEMALE/  
HUMAN/ MALE/ \*MEASLES VACCINE, adve  
effects/ \*MUMPS VACCINE, adverse effects/  
OPHTHALMOSCOPY/ OPTIC DISK, pathology,  
OPTIC NEURITIS, diagnosis/ OPTIC NEURITIS  
drug therapy/ \*OPTIC NEURITIS, etiology/  
PREDNISONE, therapeutic use/ \*RUBELLA  
VACCINE, adverse effects/ UNITED STATES  
GOV'T SUPPORTED, P.H.S./ VISUAL ACUIT  
VISUAL FIELDS
2029. Keane FB, Ryan TD: Tuberculosis of the breast: a forgo  
diagnosis. Ir Med J 71(12):416-20, 15 Sep 78  
ADOLESCENCE/ ADULT/ \*BREAST DISEAS  
diagnosis/ BREAST DISEASES, pathology/  
FEMALE/ HUMAN/ MIDDLE AGE/  
\*TUBERCULOSIS, ENDOCRINE, diagnosis/  
TUBERCULOSIS, ENDOCRINE, pathology
2030. Kebabian JW: Multiple classes of dopamine receptors in  
mammalian central nervous system: the involvement of  
dopamine-sensitive adenylyl cyclase. Life Sci 23(5):479-  
7 Aug 78 (33 ref.)  
\*ADENYL CYCLASE, metabolism/ ANIMAL/  
\*CENTRAL NERVOUS SYSTEM, metabolism/  
DOPAMINE, antagonists & inhibitors/ DOPAMI  
physiology/ HUMAN/ RADIOLIGAND ASSAY  
\*RECEPTORS, DOPAMINE, classification/  
RECEPTORS, DOPAMINE, drug effects/  
RECEPTORS, DOPAMINE, physiology/ REVIE
2031. Kebabian JW: Dopamine-sensitive adenylyl cyclase: a rece  
mechanism for dopamine. Adv Biochem Psychopharma  
19:131-54, 1978 (79 ref.)  
\*ADENYL CYCLASE, metabolism/ AGING/  
ANIMAL/ BRAIN, drug effects/ BRAIN,  
enzymology/ \*DOPAMINE, pharmacodynamics/  
ERGOT ALKALOIDS, pharmacodynamics/  
GANGLIA, AUTONOMIC, drug effects/ GANGL  
AUTONOMIC, enzymology/  
HISTOCYTOCHEMISTRY/ LERGOTRILE  
MESYLATE, pharmacodynamics/ \*RECEPTORS,  
DOPAMINE, drug effects/ REVIEW
2032. Keene CH: Three ohs. Pharos 41(3):20-2, Jul 78  
GOITER, surgery/ \*HEALTH SERVICES, trend:  
HUMAN/ THYROIDECTOMY/ UNITED STAT
2033. Keesey RE, Boyle PC, Storlien LH: Food intake and utilizat  
in lateral hypothalamically lesioned rats. Physiol Behav  
21(2):265-8, Aug 78  
ANIMAL/ BODY WEIGHT/ CALORIC INTAK  
\*EATING/ \*ENERGY METABOLISM/ FOOD  
DEPRIVATION/ \*HYPOTHALAMUS, physiolog  
MALE/ RATS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
2034. Keightley DD, Tilley WD, Cant EL: Effect of snap freez  
dithiothreitol and storage on estimations of estrogen rece  
sites. Clin Chim Acta 88(2):337-43, 1 Sep 78  
CYTOSOL, metabolism/ DITHIOTHREITOL,  
pharmacodynamics/ FEMALE/ FREEZING/  
HUMAN/ IN VITRO/ MYOMETRIUM, metabolis  
MYOMETRIUM, ultrastructure/ \*RECEPTORS,  
ESTROGEN, analysis/ RECEPTORS, ESTROGE  
drug effects/ TIME FACTORS



# AUTHOR SECTION

2035. Kell DB, John P, Ferguson SJ: The protonmotive force in phosphorylating membrane vesicles from *Paracoccus denitrificans*. Magnitude, sites of generation and comparison with the phosphorylation potential. *Biochem J* 174(1):257-66, 15 Jul 78  
ADENOSINE TRIPHOSPHATE, biosynthesis/  
ASCORBIC ACID, metabolism/ CELL MEMBRANE, metabolism/ \*CELL MEMBRANE, ultrastructure/  
ELECTROCHEMISTRY/ MEMBRANE  
POTENTIALS/ NAD, metabolism/ \*PARACOCCLUS  
DENITRIFICANS, metabolism/  
PHOSPHORYLATION/ PROTONS/ SUCCINATES,  
metabolism/ THIOCYANATES, metabolism
2036. Keller HH, Burkard WP, Pieri L, et al: Lisuride- and D-LSD-induced changes of monoamine turnover in the rat brain. *Adv Biochem Psychopharmacol* 19:393-6, 1978  
ANIMAL/ \*BIOGENIC AMINES, metabolism/  
\*BRAIN CHEMISTRY, drug effects/ DOPAMINE,  
metabolism/ \*ERGOLINES, pharmacodynamics/  
HOMOVANILLIC ACID, metabolism/  
HYDROXYINDOLEACETIC ACID, metabolism/  
\*LISURIDE, pharmacodynamics/ \*LYSERGIC ACID  
DIETHYLAMIDE, pharmacodynamics/ MALE/  
METHOXYHYDROXYPHENYLGLYCOL,  
metabolism/ NOREPINEPHRINE, metabolism/  
RATS/ SEROTONIN, metabolism
2037. Keller PJ, Fetz A, Schär A, et al: Behandlung von Akne und Seborrhöe mit Antiandrogenen.  
*Schweiz Med Wochenschr* 108(42):1640-2, 21 Oct 78 (Eng. Abstr.)  
\*ACNE, drug therapy/ ADOLESCENCE/ ADULT/  
\*ANDROGEN ANTAGONISTS, therapeutic use/  
CONTRACEPTIVES, ORAL, SYNTHETIC,  
therapeutic use/ CYPROTERONE, therapeutic use/  
ENGLISH ABSTRACT/ ETHINYL ESTRADIOL,  
therapeutic use/ FEMALE/ HUMAN/  
PREGNANCY/ \*SEBORRHEA, drug therapy
2038. Keller U, Mall T, Walter M, et al: Phaeochromocytoma with lactic acidosis. *Br Med J* 2(6137):606-7, 26 Aug 78  
\*ACIDOSIS, diagnosis/ ACIDOSIS, etiology/  
ADRENAL GLAND NEOPLASMS, complications/  
\*ADRENAL GLAND NEOPLASMS, diagnosis/  
ADULT/ CASE REPORT/ DIAGNOSIS,  
DIFFERENTIAL/ FEMALE/ HUMAN/  
LACTATES, metabolism/ PHEOCHROMOCYTOMA,  
complications/ \*PHEOCHROMOCYTOMA, diagnosis
2039. Kelly PA, Ferland L, Labrie F, et al: Hormonal control of liver prolactin receptors. *Curr Top Mol Endocrinol* 3:321-35, 1976 (27 ref.)  
ANDROGENS, pharmacodynamics/ ANIMAL/  
CASTRATION/ ESTROGEN ANTAGONISTS/  
ESTROGENS, pharmacodynamics/ FEMALE/  
HUMAN/ \*LIVER, metabolism/ MALE/  
MEMBRANES, metabolism/ \*PROLACTIN,  
metabolism/ PROLACTIN, pharmacodynamics/  
PROTEIN BINDING, drug effects/ RECEPTORS,  
HORMONE, analysis/ RECEPTORS, HORMONE,  
drug effects/ \*RECEPTORS, HORMONE, metabolism/  
REVIEW/ SOMATOTROPIN, metabolism/ SPECIES  
SPECIFICITY
2040. Kelman BJ, Walter BK, Jarboe GE, et al: Effect of dietary cadmium on calcium metabolism in the rat during late gestation. *Proc Soc Exp Biol Med* 158(4):614-7, Sep 78  
ANIMAL/ CADMIUM, administration & dosage/  
\*CADMIUM, pharmacodynamics/ \*CALCIUM,  
metabolism/ DIET/ FEMALE/ \*FETUS, drug effects/  
FETUS, metabolism/ GESTATIONAL AGE/  
HEMATOCRIT/ MATERNAL-FETAL  
EXCHANGE/ PREGNANCY/ RATS/ TISSUE  
DISTRIBUTION/ UNITED STATES GOV'T  
SUPPORTED
2041. Kelton JG, Hirsh J, Carter CJ, et al: Thrombogenic effect of high-dose aspirin in rabbits. Relationship to inhibition of vessel wall synthesis of prostaglandin I<sub>2</sub>-like activity. *J Clin Invest* 62(4):892-5, Oct 78  
ANIMAL/ \*ASPIRIN, pharmacodynamics/ \*BLOOD  
COAGULATION, drug effects/ BLOOD VESSELS,  
metabolism/ DOSE-RESPONSE RELATIONSHIP,  
DRUG/ FIBRIN, metabolism/ \*PROSTAGLANDINS  
X, metabolism/ \*PROSTAGLANDINS, metabolism/  
RABBITS/ SALICYLATES, pharmacodynamics/  
SEROTONIN, metabolism/ VEINS
2042. Kemmotsu O, Kashiki K, Hagiwara T, et al: [A comparative study of effects of hydrocortisone, methylprednisolone and bethamethasone on isolated vascular smooth muscle of rabbit aorta (author's transl)] *Masui* 27(9):954-60, Sep 78 (Eng. Abstr.)  
ANIMAL/ \*AORTA, drug effects/  
\*BETAMETHASONE, pharmacodynamics/  
COMPARATIVE STUDY/ ENGLISH ABSTRACT/  
\*HYDROCORTISONE, pharmacodynamics/ IN  
VITRO/ \*METHYLPREDNISOLONE,  
pharmacodynamics/ MUSCLE, SMOOTH, drug  
effects/ RABBITS
2043. Kempf E, Mack G, Canguilhem B, et al: Seasonal changes in the levels and the turnover of brain serotonin and noradrenaline in the European hamster kept under constant environment. *Experientia* 34(8):1032-3, 15 Aug 78  
ANIMAL/ \*BRAIN, metabolism/ CIRCADIAN  
RHYTHM/ \*CRICETUS, metabolism/ \*HAMSTERS,  
metabolism/ LIGHT/ MALE/ \*SEASONS/  
\*SEROTONIN, metabolism/ TEMPERATURE
2044. Kendle KE, Paterson JR, Wilson CA: Effects of RMI 12,936, a synthetic antiprogesterone steroid, on the oestrous cycle and ovulation in the rat. *J Reprod Fertil* 53(2):363-8, Jul 78  
\*ANDROGENS, SYNTHETIC, pharmacodynamics/  
\*ANDROSTENOLS, pharmacodynamics/ ANIMAL/  
ESTRADIOL, pharmacodynamics/ \*ESTRUS, drug  
effects/ FEMALE/ LH, secretion/ LH-FSH  
RELEASING HORMONE, pharmacodynamics/  
\*OVULATION, drug effects/ PROGESTERONE,  
pharmacodynamics/ RATS/ SECRETORY RATE,  
drug effects
2045. Kennedy AL, Sheridan B, Montgomery DA: ACTH and cortisol response to bromocriptine, and results of long-term therapy, in Cushing's disease. *Acta Endocrinol (Copenh)* 89(3):461-8, Nov 78  
ADMINISTRATION, ORAL/ ADULT/ CASE  
REPORT/ CLINICAL RESEARCH/  
\*CORTICOTROPIN, blood/ CUSHING'S  
SYNDROME, blood/ \*CUSHING'S SYNDROME,  
drug therapy/ DRUG EVALUATION/ FEMALE/  
HUMAN/ \*HYDROCORTISONE, blood/ MALE/  
METYRAPONE, therapeutic use/ TIME FACTORS/  
2-BROMOERGOCRYPTINE, administration &  
dosage/ 2-BROMOERGOCRYPTINE, diagnostic use/  
\*2-BROMOERGOCRYPTINE, therapeutic use
2046. Kennedy BJ: New role of endocrine therapy in breast cancer. *Int J Radiat Oncol Biol Phys* 4(5-6):469-72, May-Jun 78  
ADRENAL CORTEX HORMONES, therapeutic use/  
ADRENALECTOMY/ AMINOGLUTETHIMIDE,  
therapeutic use/ ANDROGENS, SYNTHETIC,  
therapeutic use/ BREAST NEOPLASMS, metabolism/  
\*BREAST NEOPLASMS, therapy/ CASTRATION/  
ESTROGEN ANTAGONISTS, therapeutic use/  
ESTROGENS, SYNTHETIC, therapeutic use/  
FEMALE/ HUMAN/ HYPOPHYSECTOMY/  
NEOPLASMS, HORMONE-DEPENDENT,  
metabolism/ \*NEOPLASMS,  
HORMONE-DEPENDENT, therapy/  
PROGESTATIONAL HORMONES, SYNTHETIC,  
therapeutic use/ RECEPTORS, ESTROGEN/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
2047. Kenny M, Leonard BE: Neurochemical and behavioral correlates of chronic apomorphine administration in the rat. *Adv Biochem Psychopharmacol* 19:347-9, 1978  
ANIMAL/ \*APOMORPHINE, pharmacodynamics/  
\*BEHAVIOR, drug effects/ \*BRAIN CHEMISTRY,  
drug effects/ CATECHOLAMINES, metabolism/  
GABA, metabolism/ RATS/ SEROTONIN,  
metabolism/ \*STEREOTYPED BEHAVIOR, drug  
effects/ TIME FACTORS
2048. Kent SW, Bove LG, Phelps HM: A vaginal approach to preservation of ovarian function in pelvic node radiation. *J Maine Med Assoc* 69(9):251, 260, Sep 78  
ADOLESCENCE/ CASE REPORT/ FEMALE/  
\*HODGKIN'S DISEASE, radiotherapy/ HUMAN/  
LYMPHATIC METASTASIS/ \*OVARY/ PELVIS/  
\*RADIATION INJURIES, prevention & control/  
\*RADIATION PROTECTION/ \*SUTURE  
TECHNIQUES/ VAGINA
2049. Kershner H, Klein R, Waldman D, et al: Treatment of chronic childhood asthma with beclomethasone dipropionate aerosols: II. Effect on pituitary-adrenal function after substitution for oral corticosteroids. *Pediatrics* 62(2):189-97, Aug 78  
ADMINISTRATION, ORAL/ ADOLESCENCE/



# AUTHOR SECTION

- ADRENAL GLANDS, drug effects/ \*ADRENAL GLANDS, physiopathology/ ADULT/ AEROSOLS/ \*ASTHMA, drug therapy/ ASTHMA, physiopathology/ \*BECLOMETHASONE, administration & dosage/ CHILD/ CHILD, PRESCHOOL/ CHRONIC DISEASE/ CLINICAL RESEARCH/ DRUG EVALUATION/ FEMALE/ HUMAN/ LUNG, physiopathology/ MALE/ PITUITARY GLAND, drug effects/ \*PITUITARY GLAND, physiopathology/ PITUITARY-ADRENAL FUNCTION TESTS/ PREDNISONE, administration & dosage/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2050. Keys J: Detecting and treating dental phobic children: part I, detection. ASDC J Dent Child 45(4):296-300, Jul-Aug 78  
ANXIETY, blood/ \*ANXIETY, diagnosis/ ANXIETY, etiology/ ANXIETY, metabolism/ ANXIETY, therapy/ \*CHILD BEHAVIOR/ CHILD/ CHILD, PRESCHOOL/ \*DENTAL CARE/ \*FEAR/ FEMALE/ HUMAN/ HYDROCORTISONE, analysis/ HYDROCORTISONE, blood/ MALE/ PERSONALITY TESTS/ SALIVA, analysis/ 17-HYDROXYCORTICOSTEROIDS, metabolism
2051. Khadzhiev A: Klinichno prilozhenie na akusherskii monitor. IV. Funktsionalen test bez natovarvane za opredeliene sustoianieto na ploda ('non stress test'). Akush Ginekol (Sofia) 17(4):235-44, 1978 (Eng. Abstr.) (Bul)  
ACOUSTIC STIMULATION/ ENGLISH ABSTRACT/ FEMALE/ FETAL HEART, physiology/ \*FETAL MONITORING, methods/ HEART RATE/ HUMAN/ OXYTOCIN, diagnostic use/ \*PLACENTAL FUNCTION TESTS, methods/ PREGNANCY/ TIME FACTORS
2052. Khan SA, Sivanandaiah KM: Solid-phase synthesis of oxytocin, desaminoxytocin and 4-Thr-oxytocin using active esters in presence of 1-hydroxybenzotriazole. Int J Pept Protein Res 12(3):164-9, Sep 78  
AMINO ACID SEQUENCE/ DICYCLOHEXYLCARBODIIMIDE/ ESTERS/ \*OXYTOCIN, analogs & derivatives/ \*OXYTOCIN, chemical synthesis/ \*TRIAZOLES
2053. Kheifets SN, Galochkina AA, Makarova LI, et al: Gormonal'naia funktsiia platsenty pri nekotorykh vidakh patologii beremennosti. Vopr Okhr Materin Det 23(8):75-9, Aug 78 (Eng. Abstr.) (Rus)  
ABORTION, THREATENED, diagnosis/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ \*PLACENTA, physiology/ \*PLACENTAL HORMONES, physiology/ \*PREGNANCY COMPLICATIONS, physiopathology/ PREGNANCY COMPLICATIONS, urine/ PREGNANCY TOXEMIAS, diagnosis/ PREGNANCY/ PROGNOSIS
2054. Khomullo GV, Sandomirskaya LD: Dinamika izmenenii parenkhimnykh shchitovidnoi zhelezy pri vvedenii tireokaltsitonina. Probl Endokrinol (Mosk) 24(5):97-102, Sep-Oct 78 (Eng. Abstr.) (Rus)  
ANIMAL/ \*CALCITONIN, pharmacodynamics/ CYTOPLASM, drug effects/ CYTOPLASM, ultrastructure/ ENGLISH ABSTRACT/ MALE/ RATS/ \*THYROID GLAND, drug effects/ THYROID GLAND, ultrastructure/ TIME FACTORS
2055. Khoo JC: The microsurgery of brain tumours. Adv Ophthalmol 37:188-92, 1978  
ADENOMA, surgery/ ADOLESCENCE/ \*BRAIN NEOPLASMS, surgery/ BRAIN STEM, surgery/ CEREBRAL VENTRICLES, surgery/ \*GLIOMA, surgery/ HUMAN/ MALE/ MICROSCOPY, instrumentation/ MICROSURGERY, instrumentation/ \*MICROSURGERY, methods/ NEUROMA, ACOUSTIC, surgery/ PITUITARY NEOPLASMS, surgery/ TERATOID TUMOR, surgery
2056. Kiandarian GG, Ametov AS: Issledovanie dinamiki urovnia gormona rosta u bol'nykh akromegaliie v otvet na nagruzku gliukozi i pri dozirovannoi veloergometrii. Probl Endokrinol (Mosk) 24(5):37-9, Sep-Oct 78 (Eng. Abstr.) (Rus)  
\*ACROMEGALY, blood/ ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ \*EXERTION/ FEMALE/ \*GLUCOSE, diagnostic use/ HUMAN/ MALE/ MIDDLE AGE/ \*SOMATOTROPIN, blood/ SOMATOTROPIN, secretion/ TIME FACTORS
2057. Kiandarian GG: Vliianie kompleksnoi terapii na sostoianie serdechno-sosudistoi sistemy u bol'nykh akromegaliie. Zh Eksp Klin Med 4(4):92-5, 1978  
ACROMEGALY, physiopathology/ \*ACROMEGALY, therapy/ ADULT/ \*CARDIOVASCULAR SYSTEM, physiopathology/ DRUG THERAPY, COMBINATION/ EXERCISE TEST/ EXERTION/ HEMODYNAMICS/ HUMAN/ X-RAYS, therapeutic use
2058. Kiang DT, Cavanaugh A, Lange PH: Human alpha-fetoprotein and the estrogen receptor assay [letter] Cancer Res 38(10):3566-7, Oct 78  
\*ALPHA FETOPROTEINS, analysis/ BREAST NEOPLASMS, analysis/ FEMALE/ HUMAN/ MALE/ METHODS/ \*NEOPLASMS, EMBRYONAL AND MIXED, analysis/ \*RECEPTORS, ESTROGEN, analysis/ \*TESTICULAR NEOPLASMS, analysis
2059. Kiang DT, Kennedy BJ, Pathre SV, et al: Binding characteristics of zearalenone analogs to estrogen receptors. Cancer Res 38(11 Pt 1):3611-5, Nov 78  
ANIMAL/ BINDING, COMPETITIVE/ CATTLE CELL NUCLEUS, metabolism/ CENTRIFUGATION DENSITY GRADIENT/ COMPARATIVE STUDY/ CYTOSOL, metabolism/ ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ FEMALE/ IN VITRO/ RATS/ RECEPTORS, ESTROGEN, effects/ RECEPTORS, ESTROGEN, isolation & purification/ \*RECEPTORS, ESTROGEN, metabolism/ \*RESORCINOLS/ RESORCINOLS, analogs & derivatives/ TAMOXIFEN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S. \*UTERUS, metabolism/ \*ZEARELENONE/ ZEARELENONE, analogs & derivatives/ ZEARELENONE, metabolism/ ZEARELENONE, pharmacodynamics
2060. Kielczyński W, Nauman J: Inhibition of thyrotropin binding to human thyroid plasma membranes by thyroid hormone and 'reverse' triiodothyronine. Biochem Biophys Res Commun 82(3):811-9, 14 Jun 78  
CELL MEMBRANE, metabolism/ HUMAN/ HYDROGEN-ION CONCENTRATION/ KINETICS/ RECEPTORS, HORMONE, metabolism/ TEMPERATURE/ \*THYROID GLAND, metabolism/ \*THYROTROPIN, metabolism/ \*THYROXINE, pharmacodynamics/ \*TRIIODOTHYRONINE, pharmacodynamics/ \*TRIIODOTHYRONINE, REVERSE, pharmacodynamics
2061. Kiely WF: Peptidergic influences: tip of the iceberg? [letter] Am J Psychiatry 135(11):1435-6, Nov 78  
ANIMAL/ ATTENTION, physiology/ CORPUS STRIATUM, physiology/ EMOTIONS, physiology/ \*ENDORPHINS, physiology/ \*ENKEPHALINS, physiology/ EXTRAPYRAMIDAL TRACTS, physiology/ HUMAN/ LIMBIC SYSTEM, physiology/ MOTIVATION, physiology/ MOTOR ACTIVITY, physiology/ \*RECEPTORS, NARCOTIC, physiology
2062. Kihara I: [Juxtaglomerular cell tumor (Robertson-Kihara syndrome)] Nippon Rinsho Suppl:2324-5, May 78  
HUMAN/ \*JUXTAGLOMERULAR APPARATUS/ \*KIDNEY NEOPLASMS/ RENIN, blood
2063. Kijewski PK, Bjärngård BE: The use of computed tomography data for radiotherapy dose calculations. Int J Radiat Oncol Biol Phys 4(5-6):429-35, May-Jun 78  
ADIPOSE TISSUE, radionuclide imaging/ BODY COMPOSITION/ BONE AND BONES, radionuclide imaging/ HUMAN/ MODELS, BIOLOGICAL/ MUSCLES, radionuclide imaging/ \*RADIOTHERAPY, DOSAGE/ RADIOTHERAPY, HIGH ENERGY/ STATISTICS/ TOMOGRAPHY, COMPUTERIZED/ AXIAL/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2064. Kim MH, Hambrick CS, Keating WJ, et al: Estrogen therapy in the adolescent. Ohio State Med J 74(11):691-706, Nov 78  
ADOLESCENCE/ ADULT/ ESTROGENS, administration & dosage/ ESTROGENS, adverse effects/ \*ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MALE
2065. Kim YS, Padilla GM, Martin DF: Effect of G. breve toxin on calcium uptake and ATPase activity of sarcoplasmic reticulum vesicles. Toxicon 16(5):495-501, 1978



# AUTHOR SECTION

- \*ADENOSINE TRIPHOSPHATASE, metabolism/  
ANIMAL/ \*CALCIUM, metabolism/ IN VITRO/  
KINETICS/ \*MARINE TOXINS, pharmacodynamics/  
MUSCLES, metabolism/ OXALATES,  
pharmacodynamics/ RABBITS/ \*RED TIDE/  
SARCOPLASMIC RETICULUM, drug effects/  
\*SARCOPLASMIC RETICULUM, enzymology/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
2066. Kime DE: The hepatic catabolism of cortisol in teleost  
fish—adrenal origin of 11-oxotestosterone precursors.  
Gen Comp Endocrinol 35(3):322-8, Jul 78  
ADRENAL GLANDS, metabolism/ ANIMAL/  
COMPARATIVE STUDY/ CORTISONE,  
metabolism/ FEMALE/ \*FISHES, metabolism/  
\*HYDROCORTISONE, metabolism/  
KETOSTEROIDS, biosynthesis/ \*LIVER, metabolism/  
MALE/ TROUT, metabolism
2067. Kime DE, Hews EA: Androgen biosynthesis in vitro by testes  
from amphibia. Gen Comp Endocrinol 35(3):280-8, Jul 78  
\*ANDROGENS, biosynthesis/ ANDROSTANEDIOL,  
biosynthesis/ ANDROSTENEDIONE, biosynthesis/  
ANIMAL/ \*BUFO MARINUS, metabolism/ FROGS/  
MALE/ PREGNENOLONE, metabolism/  
PROGESTERONE, biosynthesis/ RANA  
CATESBEIANA/ RANA ESCULENTA/ \*RANA,  
metabolism/ STANOLONE, biosynthesis/ \*TESTIS,  
metabolism/ TESTOSTERONE, metabolism
2068. Kimura N, Takahashi K: [Action mechanism of somatostatin  
in growth hormone secretion] Horumon To Rinsho (Jpn)  
26(6):575-7, Jun 78  
ANIMAL/ RATS/ \*SOMATOTROPIN RELEASE  
INHIBITING HORMONE, physiology/  
\*SOMATOTROPIN, secretion
2069. King K Jr: Distribution of gamma-carboxyglutamic acid in  
calcified tissues. Biochim Biophys Acta 542(3):542-6, 6 Sep  
78  
\*BONE AND BONES, metabolism/  
CALCIFICATION, PHYSIOLOGIC/ \*CALCIUM,  
metabolism/ COLLAGEN, metabolism/  
COMPARATIVE STUDY/ EGG SHELL,  
metabolism/ \*GLUTAMATES, metabolism/  
INVERTEBRATES, metabolism/ SPECIES  
SPECIFICITY/ \*TOOTH, metabolism/ UNITED  
STATES GOV'T SUPPORTED/  
\*L-CARBOXYGLUTAMIC ACID, metabolism
2070. Kinne R, Haase W, Gmaj P, et al: ATP-hydrolysis as driving  
force for transport processes in isolated renal plasma  
membrane vesicles. Curr Probl Clin Biochem 8:178-85, 23-26  
Oct 77  
\*ADENOSINE TRIPHOSPHATE, metabolism/  
ADENOSINE TRIPHOSPHATE, pharmacodynamics/  
ANIMAL/ \*BIOLOGICAL TRANSPORT, ACTIVE/  
BIOLOGICAL TRANSPORT, ACTIVE, drug effects/  
\*CALCIUM, metabolism/ \*CELL MEMBRANE,  
metabolism/ FREEZE FRACTURING/  
HYDROLYSIS/ \*KIDNEY CORTEX, metabolism/  
KIDNEY CORTEX, ultrastructure/ \*MICROVILLI,  
metabolism/ MICROVILLI, ultrastructure/ RATS
2071. Kinnula VL, Hassinen I: Metabolic adaptation to hypoxia.  
Redox state of the cellular free NAD pools, phosphorylation  
state of the adenylate system and the (Na<sup>+</sup>-K<sup>+</sup>)-stimulated  
ATP-ase in rat liver. Acta Physiol Scand 104(1):109-16, Sep  
78  
ACETATES, metabolism/ ADENOSINE  
DIPHOSPHATE, metabolism/ ADENOSINE  
MONOPHOSPHATE, metabolism/ \*ADENOSINE  
TRIPHOSPHATASE, SODIUM, POTASSIUM,  
metabolism/ ADENOSINE TRIPHOSPHATE,  
metabolism/ ANIMAL/ \*ANOXIA, metabolism/  
CYTOSOL, metabolism/ FEMALE/ LACTATES,  
metabolism/ \*LIVER, metabolism/ MALE/  
MITOCHONDRIA, LIVER, metabolism/ \*NAD,  
metabolism/ \*OXIDATION-REDUCTION/  
PHOSPHATES, metabolism/ PYRUVATES,  
metabolism/ RATS/ THYROXINE, blood
2072. Kiowski W, Julius S: Renin response to stimulation of  
cardiopulmonary mechanoreceptors in man. J Clin Invest  
62(3):656-63, Sep 78  
ADOLESCENCE/ ADULT/ BLOOD PRESSURE/  
BLOOD VOLUME/ CARDIAC OUTPUT/ HEART  
RATE/ \*HEART, innervation/ HUMAN/ KIDNEY,  
transplantation/ \*LUNG, innervation/ MALE/  
\*MECHANORECEPTORS, physiology/ \*RENIN,  
blood/ RENIN, secretion/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ VASCULAR RESISTANCE
2073. Kirchberger MA, Wong D: Calcium efflux from isolated cardiac  
sarcoplasmic reticulum. J Biol Chem 253(19):6941-5, 10 Oct  
78  
ANIMAL/ AZIDES, pharmacodynamics/  
BIOLOGICAL TRANSPORT/ \*CALCIUM,  
metabolism/ CALCIUM, pharmacodynamics/ DOGS/  
EGTA, pharmacodynamics/ HEART VENTRICLE/  
KINETICS/ MICROSOMES, metabolism/  
\*MYOCARDIUM, metabolism/ \*SARCOPLASMIC  
RETICULUM, metabolism/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
2074. Kirk D, King RJ, Heyes J, et al: Normal human endometrium  
in cell culture. I. Separation and characterization of epithelial  
and stromal components in vitro. In Vitro 14(8):651-62, Aug  
78  
CELL MOVEMENT/ \*ENDOMETRIUM, cytology/  
ESTRADIOL, pharmacodynamics/ FEMALE/  
HUMAN/ INTERCELLULAR JUNCTIONS,  
ultrastructure/ MICROVILLI, ultrastructure/  
MITOSIS, drug effects/ PROGESTERONE,  
pharmacodynamics
2075. Kirkeby S, Blecher SR: Studies on the oxidizing system in Holt's  
medium for histochemical demonstration of esterase activity.  
Acta Histochem (Jena) 62(1):44-56, 1978  
ANIMAL/ CULTURE MEDIA/ \*EPIDIDYMIS,  
enzymology/ \*ESTERASES, analysis/  
FERRICYANIDES/ FERROCYANIDES/ GUINEA  
PIGS/ HISTOCYTOCHEMISTRY/ MALE/ MICE/  
OXIDATION-REDUCTION/ SULFHYDRYL  
COMPOUNDS/ \*THYROID GLAND, enzymology
2076. Kirkegaard C, Smith E: Continuation therapy in endogenous  
depression controlled by changes in the TRH stimulation  
test. Psychol Med 8(3):501-3, Aug 78  
ADULT/ AGED/ DEPRESSION, drug therapy/  
\*DEPRESSION, metabolism/ DEPRESSION, therapy/  
FEMALE/ FOLLOW-UP STUDIES/ HUMAN/  
MALE/ MIDDLE AGE/ PROGNOSIS/  
RECURRENCE/ REMISSION/ SHOCK THERAPY,  
ELECTRIC/ \*THYROTROPIN RELEASING  
HORMONE, pharmacodynamics/ \*THYROTROPIN,  
metabolism
2077. Kirkendall WM, Hammond JJ, Overturf ML: Renin as a  
predictor of hypertensive complications.  
Ann NY Acad Sci 304:147-60, 30 Mar 78 (54 ref.)  
ADULT/ ANIMAL/ ATHEROSCLEROSIS,  
etiology/ CAPILLARY PERMEABILITY, drug  
effects/ CARDIOVASCULAR DISEASES, etiology/  
EPIDEMIOLOGIC METHODS/ FACTOR  
ANALYSIS, STATISTICAL/ HUMAN/  
\*HYPERTENSION, blood/ HYPERTENSION,  
complications/ HYPERTENSION, etiology/  
HYPERTENSION, metabolism/ MIDDLE AGE/  
PROGNOSIS/ \*RENIN, blood/ RENIN, physiology/  
REVIEW/ RISK/ SODIUM, metabolism
2078. Kirkish LS, Barclay ML, Parra JB, et al: Plasma estriol vs.  
estrogen assays in 24-h urines as an index to fetal status.  
Clin Chem 24(10):1830-2, Oct 78  
COMPARATIVE STUDY/ \*ESTRIOL, blood/  
\*ESTROGENS, urine/ FEMALE/ \*FETAL  
DISEASES, diagnosis/ HUMAN/ PLACENTAL  
FUNCTION TESTS/ PREGNANCY TRIMESTER,  
THIRD/ PREGNANCY
2079. Kirschner MA, Cohen FB, Ryan C: Androgen-estrogen  
production rates in postmenopausal women with breast  
cancer. Cancer Res 38(11 Pt 2):4029-35, Nov 78  
AGED/ \*ANDROSTENEDIONE, blood/ \*BREAST  
NEOPLASMS, blood/ COMPARATIVE STUDY/  
ESTRADIOL, blood/ ESTRONE, biosynthesis/  
\*ESTRONE, blood/ FEMALE/ HUMAN/  
MENOPAUSE/ METABOLIC CLEARANCE  
RATE/ MIDDLE AGE/ SEX HORMONE BINDING  
GLOBULIN, metabolism/ TESTOSTERONE, blood
2080. Kirsten R, Nelson K, Rabah E, et al: Response of renal lipid  
metabolism to aldosterone. Curr Probl Clin Biochem  
8:389-96, 23-26 Oct 77  
ACETATES, metabolism/ \*ALDOSTERONE,  
pharmacodynamics/ ANIMAL/ ATP CITRATE  
LYASE, metabolism/ CHOLESTEROL, biosynthesis/  
FATTY ACIDS, NONESTERIFIED, biosynthesis/ IN  
VITRO/ KIDNEY, drug effects/ \*KIDNEY,  
metabolism/ \*LIPIDS, biosynthesis/ MALE/  
PHOSPHOLIPIDS, biosynthesis/ RATS/



# AUTHOR SECTION

- TRANSALDOLASE, metabolism/  
TRANSKETOLASE, metabolism/  
TRIGLYCERIDES, biosynthesis
2081. Kiseleva ZM, Orlova AI: Funktsional'noe sostoianie simpatiko-adrenalovoi sistemy u bol'nykh infektsionno-allergicheskimi miokarditom i idiopaticheskimi porazheniiami miokarda pod vlianiem lechenia serdechnymi glikozidami i beta-blokatorami. Ter Arkh 50(8):38-43, 1978 (Eng. Abstr.) (Rus)
- ADOLESCENCE/ \*ADRENAL CORTEX, physiopathology/ ADULT/ CATECHOLAMINES, urine/ \*DIGOXIN, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ \*HEART ENLARGEMENT, drug therapy/ HEART ENLARGEMENT, physiopathology/ HUMAN/ MALE/ MIDDLE AGE/ MYOCARDITIS, drug therapy/ \*MYOCARDITIS, physiopathology/ \*PROPRANOLOL, therapeutic use/ \*SYMPATHETIC NERVOUS SYSTEM, physiopathology
2082. Kiser RS, Lebovitz RM, German DC: Anatomic and pharmacologic differences between two types of aversive midbrain stimulation. Brain Res 155(2):331-42, 27 Oct 78
- \*P-CHLOROPHENYLLALANINE, pharmacodynamics/ ANIMAL/ \*BRAIN MAPPING/ CONDITIONING, OPERANT, drug effects/ CONDITIONING, OPERANT, physiology/ ELECTRIC STIMULATION/ ESCAPE REACTION, drug effects/ \*ESCAPE REACTION, physiology/ FEAR, drug effects/ FEAR, physiology/ MALE/ \*MESENCEPHALON, physiology/ \*METHYLTYROSINES, pharmacodynamics/ NOCICEPTORS, physiology/ RATS/ RETICULAR FORMATION, physiology/ SEROTONIN, metabolism/ STEREOTYPED BEHAVIOR, drug effects/ STEREOTYPED BEHAVIOR, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2083. Kiser RS, German DC, Lebovitz RM: Serotonergic reduction of dorsal central gray area stimulation-produced aversion. Pharmacol Biochem Behav 9(1):27-31, Jul 78
- ANIMAL/ AVOIDANCE LEARNING, drug effects/ \*AVOIDANCE LEARNING, physiology/ BEHAVIOR, ANIMAL, drug effects/ BRAIN, drug effects/ \*BRAIN, physiology/ CHLORIMIPRAMINE, pharmacodynamics/ ELECTRIC STIMULATION/ HYDROXYTRYPTOPHAN, pharmacodynamics/ MALE/ NOCICEPTORS, drug effects/ \*NOCICEPTORS, physiology/ PROTRIPTYLINE, pharmacodynamics/ RATS/ RECEPTORS, SEROTONIN, drug effects/ SEROTONIN, metabolism/ \*SEROTONIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2084. Kishikawa M, Nagashima Y: [Tracheobronchopathia osteoplastica complicating thymoma (author's transl)] Nippon Kyobu Shikkan Gakkai Zasshi 16(5):347-51, May 78 (Eng. Abstr.) (Jpn)
- \*BRONCHIAL DISEASES, complications/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ \*OSSIFICATION, PATHOLOGIC, complications/ \*THYMOMA, complications/ \*THYMUS NEOPLASMS, complications/ \*TRACHEAL DISEASES, complications
2085. Kishimoto A, Mori T, Takai Y, et al: Comparison of calcium-activated, cyclic nucleotide-independent protein kinase and adenosine 3':5'-monophosphate-dependent protein kinase as regards the ability to stimulate glycogen breakdown in vitro. J Biochem (Tokyo) 84(1):47-53, Jul 78
- \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ \*CALCIUM, pharmacodynamics/ GLYCOGEN SYNTHETASE, metabolism/ \*GLYCOGEN, metabolism/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ HISTONES, metabolism/ LIVER, enzymology/ MUSCLES, enzymology/ PHOSPHORYLASE KINASE, metabolism/ PROTEIN KINASE, antagonists & inhibitors/ \*PROTEIN KINASE, metabolism/ RABBITS/ RATS
2086. Kishimoto S, Miyoshi A, Ishida M, et al: Histochemical and immunocytochemical observations of endocrine cells and amine-containing cells in the gastric mucosa of rats with experimental ulceration. Cell Mol Biol 23(1):81-93, 1978
- ANIMAL/ \*GASTRIC MUCOSA, metabolism/ \*GASTRINS, metabolism/ MALE/ PEPTIC ULCER, etiology/ \*PEPTIC ULCER, metabolism/ RATS/ \*SEROTONIN, metabolism
2087. Kisliakova ND, Verevkina GA, Ogorodnikova LS, et al: Indutsirovanie raka molochnoi zhelezy u kryss. Vopr Onkol 24(8):93-7, 1978 (Eng. Abstr.) (1)
- ADMINISTRATION, ORAL/ ANIMAL/ \*BENZANTHRACENES, administration & dosage/ DISEASE MODELS, ANIMAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MAMMARY NEOPLASMS, EXPERIMENTAL, pathology/ \*PLACENTAL HORMONES, administration & dosage/ RATS/ \*9,10-DIMETHYL-1,2-BENZANTHRACENE, administration & dosage
2088. Kita H: [Inhibition and possible transmitter substance from frontal cortex to the lateral hypothalamic area in the (author's transl)] Fukuoka Igaku Zasshi 69(6):223-34, 25 78 (Eng. Abstr.) (1)
- ANIMAL/ ENGLISH ABSTRACT/ EVOKED POTENTIALS/ FEMALE/ \*FRONTAL LOBE, physiology/ \*HYPOTHALAMUS, physiology/ NEURAL INHIBITION/ \*NEUROHUMORS, physiology/ RATS
2089. Kitada M, Kamataki T, Kitagawa H: Enhancement in vivo drug oxidations following administration of benzphetamine acetone, metyrapone and dimethylsulfoxide. Jpn J Pharmacol 28(2):213-21, Apr 78
- \*ACETONE, pharmacodynamics/ \*ANILINE COMPOUNDS, metabolism/ ANILINE HYDROXYLASE, metabolism/ ANIMAL/ BENZPHETAMINE, administration & dosage/ \*BENZPHETAMINE, pharmacodynamics/ CYTOCHROME P-450, analysis/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ETHYLMORPHINE, metabolism/ MALE/ \*METYRAPONE, pharmacodynamics/ MICROSOMES, LIVER, enzymology/ MICROSOMES, LIVER, metabolism/ \*OXIDATION-REDUCTION/ PHENACETIN, metabolism/ \*PHENETHYLAMINES, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ \*SULFOXIDES, pharmacodynamics
2090. Kitajima K: [Treatment of chronic myelogenous leukemia in a blastic phase] Nippon Rinsho Suppl:1676-7, May 78
- DRUG THERAPY, COMBINATION/ HUMAN/ \*LEUKEMIA, MYELOCYTIC, therapy/ PREDNISONE, therapeutic use/ VINCRISTINE, therapeutic use
2091. Kitamura S, Ishihara Y, Yotsumoto H, et al: [Effect of prostaglandin F2alpha on the contractile responses of guinea pig tracheal tissues induced by various bronchoconstrictors (author's transl)] Nippon Kyobu Shikkan Gakkai Zasshi 16(5):315-9, May 78 (Eng. Abstr.) (1)
- \*ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ DRUG SYNERGISM/ ENGLISH ABSTRACT/ GUINEA PIGS/ \*HISTAMINE, pharmacodynamics/ IN VITRO/ MALE/ MUSCLE CONTRACTION, drug effects/ \*PROSTAGLANDINS F, pharmacodynamics/ \*SEROTONIN, pharmacodynamics/ \*TRACHEA, drug effects
2092. Kitamura S, Ishihara Y, Yotsumoto H, et al: [Effect of A on the actions of various bronchoconstrictors (author's transl)] Nippon Kyobu Shikkan Gakkai Zasshi 16(6):4 Jun 78 (Eng. Abstr.) (1)
- \*ACETYLCHOLINE, antagonists & inhibitors/ ANIMAL/ \*BRONCHI, drug effects/ \*CORTICOTROPIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ GUINEA PIGS/ \*HISTAMINE, antagonists & inhibitors/ IN VITRO/ MALE/ MUSCLE CONTRACTION, drug effects/ \*SEROTONIN ANTAGONISTS
2093. Kitaoka T, Akizawa T, Koshikawa S: [Pulse therapy of nephrotic syndrome] Nippon Rinsho Suppl:2294-5, May 78
- HUMAN/ \*METHYLPREDNISOLONE, administration & dosage/ METHYLPREDNISOLONE, therapeutic use/ \*NEPHROTIC SYNDROME, therapy
2094. Kitchen EA, Boot JR, Dawson W: Chemotactic activity of thromboxane B2, prostaglandins and their metabolites in polymorphonuclear leucocytes. Prostaglandins 16(2):21-30, 1978



# AUTHOR SECTION

- Aug 78  
ANIMAL/ \*CHEMOTAXIS, LEUKOCYTE/  
HUMAN/ NEUTROPHILS/ PROSTAGLANDINS E,  
physiology/ PROSTAGLANDINS F, physiology/  
\*PROSTAGLANDINS, physiology/ RATS/  
\*THROMBOXANE B2, physiology/  
\*THROMBOXANES, physiology
5. Kitsera AE: Diagnostika i lechenie narusheni obonaniia.  
Vestn Otorinolaringol (5):48-52, Sep-Oct 78 (Eng. Abstr.)  
(Rus)  
ADRENAL CORTEX HORMONES, administration &  
dosage/ ENGLISH ABSTRACT/ HUMAN/  
METHODS/ NERVOUS SYSTEM DISEASES,  
diagnosis/ NERVOUS SYSTEM DISEASES, drug  
therapy/ ODORS/ REACTION TIME, physiology/  
\*SMELL, physiology
6. Klaus D: Lieber Felix Heni. Med Welt 29(42):1664, 20 Oct  
78 (Ger)  
CURRENT BIOG-OBIT/ ENDOCRINOLOGY,  
history/ GERMANY, WEST/ HISTORICAL  
ARTICLE/ HISTORY OF MEDICINE, 20TH CENT.
7. Kleiman de Pisarev DL, Pisarev MA, Juvenal GJ: Action of  
KI and several iodocompounds on [3H]uridine incorporation  
into thyroid RNA. Acta Endocrinol (Copenh) 89(2):316-22,  
Oct 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
pharmacodynamics/ ANIMAL/ CATTLE/  
GLUCOSE, pharmacodynamics/ GUANOSINE  
CYCLIC-3',5'-MONOPHOSPHATE,  
pharmacodynamics/ INULIN, metabolism/ \*IODIDES,  
pharmacodynamics/ IODOACETATES,  
pharmacodynamics/ \*POTASSIUM IODIDE,  
pharmacodynamics/ RNA, biosynthesis/ \*RNA,  
metabolism/ \*THYROID GLAND, metabolism/  
THYROXINE, pharmacodynamics/  
TRIIODOTHYRONINE, REVERSE,  
pharmacodynamics/ TRITIUM/ \*URIDINE,  
metabolism
8. Kleinberg DL, Todd J: alpha-Lactalbumin in human and  
subhuman primate normal mammary tissue and in human  
breast cancer as a marker for prolactin activity.  
Cancer Res 38(11 Pt 2):4318-22, Nov 78  
ANIMAL/ BREAST NEOPLASMS, drug therapy/  
\*BREAST NEOPLASMS, metabolism/ BREAST, drug  
effects/ \*BREAST, metabolism/ COMPARATIVE  
STUDY/ FEMALE/ HUMAN/ IN VITRO/  
\*LACTALBUMIN, biosynthesis/ MACACA/  
MAMMAE, drug effects/ \*MAMMAE, metabolism/  
MONKEYS/ NEOPLASMS,  
HORMONE-DEPENDENT, drug therapy/  
\*NEOPLASMS, HORMONE-DEPENDENT,  
metabolism/ PAPIO/ PREGNANCY/ \*PROLACTIN,  
pharmacodynamics/ RHESUS MONKEYS/ UNITED  
STATES GOV'T SUPPORTED/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
9. Kleiner GJ, Solomon L, Greston WM, et al: Wedge resection  
in massive edema of the ovary. Am J Obstet Gynecol  
132(1):107-8, 1 Sep 78  
ADOLESCENCE/ CASE REPORT/ EDEMA,  
pathology/ \*EDEMA, surgery/ FEMALE/ HUMAN/  
OVARIAN DISEASES, pathology/ \*OVARIAN  
DISEASES, surgery
10. Klemm HP, Baumgarten HG: Interaction of 5,6- and  
5,7-dihydroxytryptamine with tissue monoamine oxidase.  
Ann NY Acad Sci 305:36-56, 12 Jun 78  
ANIMAL/ BRAIN, metabolism/  
CHROMATOGRAPHY, THIN LAYER/  
\*DIHYDROXYTRYPTAMINES, pharmacodynamics/  
FEMALE/ HYDROXYINDOLEACETIC ACID,  
metabolism/ HYPOTHALAMUS, metabolism/ IN  
VITRO/ KINETICS/ \*MONOAMINE OXIDASE  
INHIBITORS/ MONOAMINE OXIDASE,  
metabolism/ PROTEIN BINDING/ RATS/  
SEROTONIN, pharmacodynamics/  
5,6-DIHYDROXYTRYPTAMINE, metabolism/  
\*5,6-DIHYDROXYTRYPTAMINE,  
pharmacodynamics/  
5,7-DIHYDROXYTRYPTAMINE, metabolism/  
\*5,7-DIHYDROXYTRYPTAMINE,  
pharmacodynamics
11. Klempa I, Usadel KH, Röttger P: Nebenschilddrüsenkarzinom  
mit Hyperparathyreoidismus. Chirurg 49(8):509-13, Aug 78  
(Eng. Abstr.) (Ger)  
\*CARCINOMA, complications/ CARCINOMA,  
diagnosis/ CARCINOMA, pathology/ CARCINOMA,  
surgery/ ENGLISH ABSTRACT/ HUMAN/  
\*HYPERPARATHYROIDISM, etiology/ MALE/  
MIDDLE AGE/ \*PARATHYROID NEOPLASMS,  
complications/ PARATHYROID NEOPLASMS,  
diagnosis/ PARATHYROID NEOPLASMS,  
pathology/ PARATHYROID NEOPLASMS, surgery/  
THYROIDECTOMY, methods
2102. Kleniewska D: Pokrzywka. II. Mediatory i leczenie.  
Przegl Dermatol 65(4):459-62, Jul-Aug 78 (Pol)  
HISTAMINE H1 RECEPTOR BLOCKADERS,  
therapeutic use/ HISTAMINE, immunology/  
HUMAN/ HYDROXYZINE, therapeutic use/  
KININS, immunology/ PROSTAGLANDINS,  
immunology/ URTICARIA, drug therapy/  
\*URTICARIA, immunology
2103. Kleppinger RK: Ovarian cyst fenestration via laparoscopy.  
J Reprod Med 21(1):16-9, Jul 78  
ADULT/ BIOPSY, NEEDLE/ CYSTADENOMA,  
MUCINOUS, pathology/ FEMALE/ HUMAN/  
\*OVARIAN CYSTS, pathology/ OVARIAN  
NEOPLASMS, pathology/ \*PERITONEOSCOPY/  
TERATOID TUMOR, pathology
2104. Kletzky OA, Scott JZ, Morrow CP, et al: A comparative study  
between radioreceptor assay and radioimmunoassay for hCG  
in patients with trophoblastic disease. Obstet Gynecol  
52(3):328-31, Sep 78  
COMPARATIVE STUDY/ FEMALE/  
\*GONADOTROPINS, CHORIONIC, urine/  
HUMAN/ PREGNANCY/  
\*RADIOIMMUNOASSAY/ \*RADIOLIGAND  
ASSAY/ UNITED STATES GOV'T SUPPORTED,  
P.H.S./ \*UTERINE NEOPLASMS, urine
2105. Kley HK, Blessing MH, Nieschlag E, et al: Virilismus bei  
Nebennierenmarktumoren mit ektopischem ACTH-Synrom.  
Klin Wochenschr 53(7):321-7, 1 Apr 75 (Ger)  
ADOLESCENCE/ \*ADRENAL GLAND  
NEOPLASMS, complications/ ADRENAL GLAND  
NEOPLASMS, secretion/ ADRENAL GLAND  
NEOPLASMS, ultrastructure/ \*ADRENAL  
MEDULLA/ ADRENAL MEDULLA, secretion/  
CASE REPORT/ \*CORTICOTROPIN, secretion/  
FEMALE/ HIRSUTISM, etiology/ \*HORMONES,  
ECTOPIC, secretion/ HUMAN/  
\*PHEOCHROMOCYTOMA, complications/  
PHEOCHROMOCYTOMA, secretion/  
PHEOCHROMOCYTOMA, ultrastructure/  
\*VIRILISM, etiology
2106. Kligman AM, Kaidbey KH: Hydrocortisone revisited. An  
historical and experimental evaluation. Cutis 22(2):232-44,  
Aug 78 (52 ref.)  
ADOLESCENCE/ ADULT/ ANIMAL/ ATROPHY,  
chemically induced/ CHILD/ CHILD, PRESCHOOL/  
COMPARATIVE STUDY/ EVALUATION  
STUDIES/ FEMALE/ HUMAN/  
\*HYDROCORTISONE/ HYDROCORTISONE,  
administration & dosage/ HYDROCORTISONE,  
adverse effects/ HYDROCORTISONE, therapeutic  
use/ INFANT/ REVIEW/ SKIN DISEASES,  
chemically induced/ SKIN DISEASES, drug therapy/  
UNITED STATES
2107. Klimek R: Neuroendokrynne uwarunkowanie raka szyjki  
macicy. Ginekolog 49(5):369-75, May 78 (Eng. Abstr.)  
(Pol)  
\*CERVIX NEOPLASMS, etiology/ CERVIX  
NEOPLASMS, physiopathology/ \*ENDOCRINE  
DISEASES, physiopathology/ ENGLISH  
ABSTRACT/ FEMALE/ HUMAN/  
HYPOTHALAMIC HORMONES, secretion/  
HYPOTHALAMUS, physiopathology/ LACTATION/  
\*NERVOUS SYSTEM, physiopathology/  
PREGNANCY
2108. Klingler W, Voelter W: Die biologische Wirkung des  
Thyreotropin Releasing Hormons. Med Welt 29(42):1645-6,  
20 Oct 78 (Ger)  
ANIMAL/ HUMAN/ HYPOTHALAMUS,  
metabolism/ MICE/ PITUITARY GLAND,  
metabolism/ RATS/ \*THYROTROPIN RELEASING  
HORMONE, metabolism
2109. Kliner U, Ehlers D, Bartsch G: Zur Charakterisierung der  
Ca-Aufnahme durch eine Mikrosomenfraktion aus glatter  
Gefäßmuskulatur. Acta Biol Med Ger 37(1):1-12, 1978 (Eng.  
Abstr.) (Ger)

# AUTHOR SECTION

- ADENOSINE TRIPHOSPHATASE, metabolism/  
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE,  
drug effects/ \*CALCIUM, metabolism/ \*CAROTID  
ARTERIES, metabolism/ CATTLE/ ENGLISH  
ABSTRACT/ KINETICS/ MAGNESIUM,  
pharmacodynamics/ \*MICROSOMES, metabolism/  
MICROSOMES, ultrastructure
2110. Klittich L, Lehr HJ, Schmidt-Elmendorff H, et al:  
Beeinflussung des Größenwachstums grosswüchsiger  
Mädchen durch Östrogentherapie.  
Geburtshilfe Frauenheilkd 38(10):831-9, Oct 78 (Eng. Abstr.)  
(Ger)
- ADOLESCENCE/ AGE FACTORS/ BODY  
HEIGHT/ BONE DEVELOPMENT/ CHILD/  
ENGLISH ABSTRACT/ ESTROGENIC  
SUBSTANCES, CONJUGATED, adverse effects/  
\*ESTROGENIC SUBSTANCES, CONJUGATED,  
therapeutic use/ ETHINYL ESTRADIOL, adverse  
effects/ \*ETHINYL ESTRADIOL, therapeutic use/  
FEMALE/ \*GIGANTISM, drug therapy/ GROWTH,  
drug effects/ HUMAN/ NORETHINDRONE,  
therapeutic use/ PUBERTY
2111. Klotzer KH, Kob D, Arndt J: Ergebnisse der kombinierten  
operativ-radiologischen Therapie des Ovarialkarzinoms aus  
radiologischer Sicht. Zentralbl Gynaekol 100(15):985-91,  
1978 (Eng. Abstr.) (Ger)
- ADULT/ AGED/ COBALT RADIOISOTOPES,  
therapeutic use/ ENGLISH ABSTRACT/ FEMALE/  
GERMANY, EAST/ HUMAN/ MIDDLE AGE/  
OVARIAN NEOPLASMS, radiotherapy/ OVARIAN  
NEOPLASMS, surgery/ \*OVARIAN NEOPLASMS,  
therapy/ PROGNOSIS/ RADIOISOTOPE  
TELETERAPY/ RETROSPECTIVE STUDIES
2112. Klöti J, Binswanger U: Die renale Calciumausscheidung bei  
primärem Hyperparathyreoidismus und idiopathischer  
Hypercalciurie. Klin Wochenschr 53(7):307-11, 1 Apr 75  
(Ger)
- CALCIUM, metabolism/ \*CALCIUM, urine/  
HUMAN/ \*HYPERPARATHYROIDISM, urine/  
HYPOPARATHYROIDISM, metabolism/ KIDNEY  
GLOMERULUS, metabolism/ KIDNEY TUBULES,  
metabolism/ URIC ACID, urine
2113. Knapp HR, Oelz O, Sweetman BJ, et al: Synthesis and  
metabolism of prostaglandins E2, F2alpha and D2 by the  
rat gastrointestinal tract. Stimulation by a hypertonic  
environment in vitro. Prostaglandins 15(5):751-7, May 78
- ANIMAL/ GASTROINTESTINAL SYSTEM, drug  
effects/ \*GASTROINTESTINAL SYSTEM,  
metabolism/ \*HYPERTONIC SOLUTIONS,  
pharmacodynamics/ IN VITRO/ MALE/  
PROSTAGLANDINS D, biosynthesis/  
\*PROSTAGLANDINS D, metabolism/  
PROSTAGLANDINS E, biosynthesis/  
\*PROSTAGLANDINS E, metabolism/  
PROSTAGLANDINS F, biosynthesis/  
\*PROSTAGLANDINS F, metabolism/  
\*PROSTAGLANDINS, metabolism/ RATS/  
SUCROSE, pharmacodynamics/ TIME FACTORS/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
2114. Kniazev IuA, Afanas'eva NB, Ostashevskaja MI, et al:  
Kliniko-metabolicheskaja kharakteristika diabeticheskogo  
ketoatsidoza u detei i voprosy patogeneticheskoi terapii.  
Pediatriia (9):12-7, Sep 78 (Eng. Abstr.) (Rus)
- ACID-BASE EQUILIBRIUM/ \*ACIDOSIS,  
DIABETIC, metabolism/ ADOLESCENCE/  
ALDOSTERONE, urine/ BICARBONATES,  
therapeutic use/ CHILD/ CHILD, PRESCHOOL/  
\*DIABETES MELLITUS, JUVENILE, metabolism/  
ELECTROLYTES, therapeutic use/ ENGLISH  
ABSTRACT/ HUMAN/ INSULIN, therapeutic use/  
KETOSIS, DIABETIC, drug therapy/ \*KETOSIS,  
DIABETIC, metabolism/ POTASSIUM, blood/  
SODIUM, blood
2115. Kniazhetskaia EI: Funktsional'nye i morfologicheskije  
izmenenija pečeni pri vnutrivennoi khimioormonoterapii.  
Vrach Delo (9):67-9, Sep 78 (Eng. Abstr.) (Rus)
- \*ADRENAL CORTEX HORMONES, adverse effects/  
ANIMAL/ \*ANTITUBERCULAR AGENTS, adverse  
effects/ DRUG SCREENING/ DRUG THERAPY,  
COMBINATION/ ENGLISH ABSTRACT/  
INJECTIONS, INTRAVENOUS/ \*LIVER, drug  
effects/ LIVER, physiopathology/ RABBITS/  
TUBERCULOSIS, MILIARY, drug therapy/  
TUBERCULOSIS, PULMONARY, drug therapy
2116. Knight DE, Whitaker MJ: Veratridine-induced secretory  
medullary cells isolated from the bovine adrenal gland.  
[proceedings] J Physiol (Lond) 281:18P-19P, Aug 78
- ADRENAL MEDULLA, cytology/ ADRENAL  
MEDULLA, drug effects/ \*ADRENAL MEDULLA,  
secretion/ ANIMAL/ CATECHOLAMINES,  
secretion/ CATTLE/ IN VITRO/ SECRETION  
RATE, drug effects/ \*VERATRIDINE,  
pharmacodynamics/ \*VERATRINE, analogs &  
derivatives
2117. Knoblauch M: Medikamentöse Leberschäden. Ther Umsch  
35(9):747-55, Sep 78 (21 ref.) (Eng. Abstr.)
- AZATHIOPRINE, adverse effects/ BILE ACID  
AND SALTS, metabolism/ BILIRUBIN, metabolism/  
BIOTRANSFORMATION/ CHLORPROMAZINE, adverse effects/  
CHOLESTASIS, chemically induced/ COLLAGEN, metabolism/  
CONTRACEPTIVE ORAL, HORMONAL, adverse effects/ DRUG  
metabolism/ ENGLISH ABSTRACT/ ENZYME  
INDUCTION/ FEMALE/ HUMAN/ ISONIAZID, metabolism/  
\*LIVER DISEASES, chemically induced/ MALE/ REVIEW
2118. Knoop FC: The interaction of cholera toxin subunit B with  
cultured adrenal cells. Can J Microbiol 24(8):915-20, 1978
- \*ADRENAL GLANDS, cytology/ ANIMAL  
CATTLE/ CELL MEMBRANE, metabolism/ CULTURED/ CHOLERA TOXIN, isolation  
purification/ \*CHOLERA TOXIN, metabolism/ CHROMATOGRAPHY, GEL/ CYTOSOL,  
metabolism/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ IODINE  
RADIOISOTOPES/ ISOTOPE LABELING/ MOLECULAR WEIGHT/ PEPTIDES, metabolism/  
SERUM ALBUMIN, BOVINE, metabolism/ ALBUMIN, RADIO-IODINATED, metabolism
2119. Knopp J, Kvetňanský R, Murgas M: The changes of 131I-iodine uptake in the thyroid gland of rats exposed to  
septal lesions and immobilization stress. Physiol Bohemoslov 27(4):329-32, 1978
- \*HYPOPHYSECTOMY/ IMMOBILIZATION/ IN VITRO/ IODINE RADIOISOTOPES/ \*IODINE, metabolism/ MALE/ RATS/ \*STRESS, metabolic/ \*THYROID GLAND, metabolism
2120. Kobayashi K, Shimomura Y, Mori M, et al: [Effects of various  
used drugs on pituitary hormone secretion] Hormon To Rinsho 26(1):35-8, Jan 78
- \*CENTROPHENOXINE, pharmacodynamics/ \*CHLOROPHENOLS, pharmacodynamics/ \*GLYCOLATES, pharmacodynamics/ HUMAN/ HYPOTHYROIDISM, blood/ \*INDOMETHACIN, pharmacodynamics/ \*THYROTROPIN, blood
2121. Kobayashi K, Katunuma N: Selective cleavage of peptides by a  
serine protease from the muscle layer of rat intestine. J Biochem (Tokyo) 84(1):65-74, Jul 78
- ANIMAL/ BINDING SITES/ GLUCAGON, metabolism/ INSULIN, metabolism/ \*INTENSIFICATION, enzymology/ KINETICS/ LH, metabolism/ MUSCLE, SMOOTH, enzymology/ NEUROMUSCULAR JUNCTION, physiology/ NEUROMUSCULAR JUNCTION, ultrastructure/ \*SEROTONIN, pharmacodynamics
2122. Kobayashi M, Shigenaka Y: The mode of action of acetylcholine and 5-hydroxytryptamine at the neuromuscular junctions in a molluscan muscle (radular protractor). Comp Biochem Physiol [C] 60(2):115-22, 1978
- \*ACETYLCHOLINE, pharmacodynamics/ ALKALINE PHOSPHATASE, pharmacodynamics/ ELECTRIC STIMULATION/ MOLLUSCA/ \*MUSCLE CONTRACTION, drug effects/ NEUROMUSCULAR JUNCTION, drug effects/ \*NEUROMUSCULAR JUNCTION, physiology/ NEUROMUSCULAR JUNCTION, ultrastructure/ \*SEROTONIN, pharmacodynamics
2123. Kobayashi Y, Oghara T, Amitani K, et al: Enzyme immunoassay for cortisol in serum using cortisol-11-<sup>3</sup>H steroid. Steroids 32(1):137-44, Jul-Aug 78
- AMINES/ HUMAN/ \*HYDROCORTISONE, & derivatives/ \*HYDROCORTISONE, blood/ HYDROCORTISONE, chemical synthesis/ HYDROCORTISONE, diagnostic use/ IMMUNOENZYME TECHNIQUES/ METHOXYCORTISONE/ RADIOIMMUNOASSAY



# AUTHOR SECTION

4. Kobylansky E, Arensburg B, Rak Y: Sexing of Bedouin skeletons from Israel. *Z Morphol Anthropol* 69(2):205-8, 1978  
\*BONE AND BONES, anatomy & histology/  
FEMALE/ HUMAN/ MALE/ \*SEX  
DETERMINATION/ SKELETON
5. Kochman K, Zwierzchowski L, Kochman H: Effect of ovine and bovine NPS-prolactins on mouse mammary gland RNA synthesis. *Bull Acad Pol Sci [Biol]* 26(6):411-3, Sep 78  
ANIMAL/ FEMALE/ \*MAMMAE, drug effects/  
MAMMAE, metabolism/ MICE/ PREGNANCY/  
\*PROLACTIN, analogs & derivatives/ PROLACTIN,  
pharmacodynamics/ \*RNA, biosynthesis
6. Kocijančič A, Preželj J, Skoberne M: Utjecaj smanjenja tjelesne težine na koncentraciju gonadotropina i testosterona u plazmi adipoznih žena. *Jugosl Ginekolog Opstet* 17(4):211-5, Jul-Aug 77 (Eng. Abstr.) (Ser)  
ADOLESCENCE/ ADULT/ \*BODY WEIGHT/  
ENGLISH ABSTRACT/ FEMALE/ FSH, blood/  
\*GONADOTROPINS, PITUITARY, blood/  
HUMAN/ LH, blood/ \*OBESITY, blood/  
\*TESTOSTERONE, blood
7. Kodagali SB, Deshpande BR, Sane CR, et al: LH levels of anoestrous Gir cows & their reproductive performance. *Indian J Exp Biol* 16(7):800-1, Jul 78  
\*ANESTRUS/ ANIMAL/ \*CATTLE, blood/  
\*ESTRUS/ \*LH, blood/ MALE/ PREGNANCY/  
\*PREGNANCY, ANIMAL
8. Koehler B: Stan gonad u chłopców otyłych. *Pol Tyg Lek* 33(42):1655-6, 16 Oct 78 (Pol)  
ADOLESCENCE/ AGE FACTORS/ CHILD/  
HUMAN/ MALE/ \*OBESITY, physiopathology/  
\*TESTIS, physiopathology
9. Koenig H, Lu CY, Bakay R: Lysosomal enzyme secretion in rat ventral prostate. Secretagogue action of testosterone and dibutyl cAMP. *Acta Biol Med Ger* 36(11-12):1653-9, 1977  
ACID PHOSPHATASE, metabolism/ ANIMAL/  
ARYLSULFATASES, metabolism/ \*DIBUTYRYL  
CYCLIC AMP, pharmacodynamics/  
HEXOSAMINIDASES, metabolism/  
\*HYDROLASES, metabolism/ KINETICS/  
LYSOSOMES, drug effects/ \*LYSOSOMES,  
enzymology/ MALE/ PHOSPHORYLATION/  
PROSTATE, drug effects/ \*PROSTATE, enzymology/  
RATS/ \*TESTOSTERONE, pharmacodynamics/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
10. Koenig H, Goldstone A, Hughes C: Lysosomal enzymuria in the testosterone-treated mouse. A manifestation of cell defecation of residual bodies. *Lab Invest* 39(4):329-41, Oct 78  
ANIMAL/ DOSE-RESPONSE RELATIONSHIP,  
DRUG/ EXOCYTOSIS/ FEMALE/  
\*GLUCURONIDASE, urine/ HYDROLASES,  
metabolism/ \*HYDROLASES, urine/ \*KIDNEY  
TUBULES, PROXIMAL, drug effects/ KIDNEY  
TUBULES, PROXIMAL, ultrastructure/ KIDNEY,  
metabolism/ \*LYSOSOMES, drug effects/ MICE/  
ORGANOIDS, ultrastructure/ PROTEINURIA/  
\*TESTOSTERONE, pharmacodynamics
11. Kogelnik HD, Withers HR: Radiobiological considerations in multifraction irradiation. *Radiol Clin (Basel)* 47(5):362-9, 1978  
ANIMAL/ BONE MARROW, radiation effects/  
\*CELL SURVIVAL, radiation effects/ COLON,  
radiation effects/ GAMMA RAYS/ INTESTINAL  
MUCOSA, radiation effects/ MALE/ MAMMALS/  
MICE/ NEOPLASMS, EXPERIMENTAL,  
radiotherapy/ RADIOTHERAPY DOSAGE/  
\*RADIOTHERAPY, methods/ SKIN, radiation effects/  
TESTIS, radiation effects/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ X-RAYS
12. Kohashi N, Yamaguchi K, Hosokawa Y, et al: Dietary control of cysteine dioxygenase in rat liver. *J Biochem (Tokyo)* 84(1):159-68, Jul 78  
ADRENALECTOMY/ AMINO ACIDS, metabolism/  
ANIMAL/ COMPARATIVE STUDY/  
CYSTATHIONINE GAMMA-LYASE, metabolism/  
CYSTEINE, metabolism/ DIETARY PROTEINS,  
administration & dosage/ \*DIETARY PROTEINS,  
metabolism/ \*LIVER, metabolism/ MALE/  
METHIONINE, metabolism/ \*OXYGENASES,  
metabolism/ RATS/ TAURINE, metabolism/  
TYROSINE AMINOTRANSFERASE, metabolism
2133. Köhler C, Ross SB, Srebro B, et al: Long-term biochemical and behavioral effects of p-chloroamphetamine in the rat. *Ann NY Acad Sci* 305:645-63, 12 Jun 78  
\*P-CHLOROAMPHETAMINE, pharmacodynamics/  
\*AMPHETAMINES, pharmacodynamics/ ANIMAL/  
AVOIDANCE LEARNING, drug effects/  
\*BEHAVIOR, ANIMAL, drug effects/ BRAIN, drug  
effects/ \*BRAIN, metabolism/ EXPLORATORY  
BEHAVIOR, drug effects/ HABITUATION  
(PSYCHOPHYSIOLOGY), drug effects/ MALE/  
MOTOR ACTIVITY, drug effects/ RATS/  
SEROTONIN, metabolism/ SYNAPTOSOMES, drug  
effects/ SYNAPTOSOMES, metabolism/ TIME  
FACTORS
2134. Köhler H, Regal DS, Peterlik M: Zur Kalzinose der Rinder in Österreich. VI. Nachweis einer 1,25-Dihydroxycholecalciferol-artigen Substanz als Ursache der antirachitischen Wirkung von Goldhafer (Trisetum flavescens) bei Kücken und Wachteln. *Zentralbl Veterinaermed [A]* 25(4):253-70, May 78 (Eng. Abstr.) (Ger)  
ANIMAL/ AUSTRIA/ BIRDS/ ENGLISH  
ABSTRACT/ GRASSES/  
\*HYDROXYCHOLECALCIFEROLS, therapeutic  
use/ MALE/ \*POULTRY DISEASES, prevention &  
control/ QUAIL/ \*RICKETS, prevention & control
2135. Kohlhardt M, Haap K: 8-bromo-guanosine-3',5'-monophosphate mimics the effect of acetylcholine on slow response action potential and contractile force in mammalian atrial myocardium. *J Mol Cell Cardiol* 10(6):573-86, Jun 78  
\*ACETYLCHOLINE, pharmacodynamics/ ACTION  
POTENTIALS, drug effects/ ANIMAL/ CALCIUM,  
physiology/ ELECTRIC CONDUCTIVITY/  
FEMALE/ \*GUANOSINE  
CYCLIC-3',5'-MONOPHOSPHATE, analogs &  
derivatives/ GUANOSINE  
CYCLIC-3',5'-MONOPHOSPHATE,  
pharmacodynamics/ GUINEA PIGS/ HEART  
ATRIUM/ IN VITRO/ ISOPROTERENOL,  
pharmacodynamics/ MALE/ \*MYOCARDIAL  
CONTRACTION, drug effects
2136. Koizumi K, Ichiyangi K, Bunko H, et al: [Experimental and clinical evaluations of T4 radioimmunoassay kit by a solid phase method—Konsul T4 RIA] *Horumon To Rinsho* 26(8):821-4, Aug 78 (Jpn)  
COMPARATIVE STUDY/ HUMAN/  
\*RADIOIMMUNOASSAY, methods/  
RADIOIMMUNOASSAY, standards/ \*REAGENT  
KITS, DIAGNOSTIC, standards/ \*THYROXINE,  
blood
2137. Koizumi K, Tonami N, Hisada K: [99mTc-diphosphonate bone scanning in 10 patients with multiple myeloma (author's transl)] *Kaku Igaku* 15(4):553-9, Jun 78 (Eng. Abstr.) (Jpn)  
ADULT/ AGED/ \*BONE AND BONES, radionuclide  
imaging/ CASE REPORT/ ENGLISH ABSTRACT/  
FEMALE/ HUMAN/ MALE/ MIDDLE AGE/  
\*MULTIPLE MYELOMA, radionuclide imaging/  
TECHNETIUM, diagnostic use
2138. Kojima K, Kimura H, Inouse K, et al: [Experimental and clinical evaluations of the determination of human growth hormone using Phadebas hGH PRIST Kit] *Horumon To Rinsho* 26(8):795-9, Aug 78 (Jpn)  
ADULT/ FEMALE/ HUMAN/ MALE/  
\*RADIOIMMUNOASSAY, methods/  
RADIOIMMUNOASSAY, standards/ \*REAGENT  
KITS, DIAGNOSTIC, standards/ \*SOMATOTROPIN,  
blood
2139. Kokot F: Układ reninowo-angiotensynowo-aldosteronowy u chorych na cukrzycę. *Pol Tyg Lek* 33(31):1235-6, 31 Jul 78 (25 ref.) (Pol)  
\*ALDOSTERONE, secretion/ \*ANGIOTENSIN II,  
secretion/ ANIMAL/ \*DIABETES MELLITUS,  
physiopathology/ DIABETES MELLITUS,  
EXPERIMENTAL, physiopathology/ HUMAN/  
HYPERTENSION, physiopathology/ \*KIDNEY,  
physiopathology/ \*RENIN, secretion/ REVIEW
2140. Kokot F, Zazgornik J, Pietrek J, et al: Parathormon- und 25-Hydroxycholecalciferol-Konzentrationen im Serum nierentransplanterter Patienten und ihr röntgenologisches Korrelat. *Z Gesamte Inn Med* 33(15):516-20, 1 Aug 78 (Eng.



# AUTHOR SECTION

- Abstr.) (Ger)  
ADULT/ \*BONE DISEASES, radiography/  
CALCIUM, blood/ ENGLISH ABSTRACT/  
FEMALE/ FEMUR HEAD NECROSIS, radiography/  
HUMAN/ \*HYDROXYCHOLECALCIFEROLS,  
biosynthesis/ \*KIDNEY, transplantation/ MALE/  
MIDDLE AGE/ \*PARATHYROID HORMONE,  
secretion/ PHOSPHATES, blood
2141. Kolár J, Babický A, Blahos J, et al: Vliv kalcitoninu a kortisonu na experimentální zlomeniny. Acta Chir Orthop Traumatol Cech 45(3):255-62, Jun 78 (Eng. Abstr.) (Cze)  
ANIMAL/ \*CALCITONIN, pharmacodynamics/  
CALCITONIN, therapeutic use/ \*CORTISONE,  
pharmacodynamics/ CORTISONE, therapeutic use/  
ENGLISH ABSTRACT/ MALE/ RATS/ \*TIBIAL  
FRACTURES, drug therapy/ \*WOUND HEALING,  
drug effects
2142. Kolata GB: Infertility: promising new treatments. Science 202(4364):200-3, 13 Oct 78  
CLOMIPHENE, therapeutic use/ FEMALE/  
HUMAN/ MALE/ OVULATION/ PROLACTIN,  
blood/ STERILITY, psychology/ \*STERILITY,  
therapy/ STERILITY, FEMALE, etiology/  
2-BROMOERGOCRYPTINE, therapeutic use
2143. Kølendorf K, Møller BB, Rogowski P: The influence of chronic renal failure on serum and urinary thyroid hormone levels. Acta Endocrinol (Copenh) 89(1):80-8, Sep 78  
AGED/ FEMALE/ HUMAN/ \*KIDNEY FAILURE,  
CHRONIC, metabolism/ MALE/ MIDDLE AGE/  
THYROID FUNCTION TESTS/ \*THYROID  
HORMONES, metabolism/ THYROTROPIN, blood/  
THYROXINE, blood/ THYROXINE, urine/  
TRIIODOTHYRONINE, blood/  
TRIIODOTHYRONINE, urine/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
2144. Kolff WJ: Dialysis of schizophrenics. Weird and novel applications of dialysis, hemofiltration, hemoperfusion and peritoneal dialysis: witchcraft? Artif Organs 2(3):277-83, Aug 78  
ADULT/ AUTISM, EARLY INFANTILE, therapy/  
CHILD/ ENDORPHINS, blood/ FEMALE/  
\*HEMODIALYSIS/ HEMODIALYSIS, adverse  
effects/ HUMAN/ PSORIASIS, therapy/  
SCHIZOPHRENIA, blood/ \*SCHIZOPHRENIA,  
therapy
2145. Kolle U, Zippel U, Gabriel HJ: Visuelle Responsivität von Neuronen des Corpus geniculatum laterale der Ratte bei elektrischer Reizung von Hirngebiet mit positiver Autostimulation. Acta Biol Med Ger 37(2):267-74, 1978 (Eng. Abstr.) (Ger)  
ANIMAL/ \*BRAIN, physiology/ ELECTRIC  
STIMULATION/ ENGLISH ABSTRACT/  
EVOKED POTENTIALS/ \*GENICULATE  
BODIES, physiology/ HYPOTHALAMUS,  
physiology/ MALE/ \*NEURONS, physiology/ RATS/  
\*SELF STIMULATION/ \*VISION
2146. Komorowska A, Palińska-Weese Z: Postępowanie w przypadkach guzów jajnika u dziewcząt i młodocianych. Ginekol Pol 49(5):411-5, May 78 (Eng. Abstr.) (Pol)  
ADOLESCENCE/ CHILD/ ENGLISH ABSTRACT/  
FEMALE/ HUMAN/ INFANT, NEWBORN/  
OVARIAN NEOPLASMS, mortality/ OVARIAN  
NEOPLASMS, radiotherapy/ \*OVARIAN  
NEOPLASMS, surgery/ POSTOPERATIVE CARE/  
PREGNANCY/ TERATOID TUMOR, mortality
2147. Komorowski RA, Hanson GA, Garancis JC: Anaplastic thyroid carcinoma following low-dose irradiation. Am J Clin Pathol 70(2):303-7, Aug 78  
ADENOIDS/ ADULT/ \*CARCINOMA, etiology/  
CARCINOMA, pathology/ CASE REPORT/  
HUMAN/ LYMPHATIC DISEASES, radiotherapy/  
MALE/ \*NEOPLASMS, RADIATION-INDUCED/  
RADIOTHERAPY DOSAGE/ \*RADIOTHERAPY,  
adverse effects/ \*THYROID NEOPLASMS, etiology/  
THYROID NEOPLASMS, pathology
2148. Kondo S: [Effects of endotoxin shock on endocrine system and renal function in dogs (author's transl)] Masui 27(10):1036-46, Oct 78 (Eng. Abstr.) (Jpn)  
ALDOSTERONE, blood/ ANIMAL/  
CATECHOLAMINES, blood/ DOGS/  
\*ENDOCRINE GLANDS, physiopathology/  
ENGLISH ABSTRACT/ \*KIDNEY, physiopathology/  
RENIN, blood/ \*SHOCK, SEPTIC, physiopathology/  
VASOPRESSINS, blood
2149. Kono T: [Clinical application of angiotensin II derivative] Horumon To Rinsho 26(8):751-9, Aug 78  
ADRENAL GLAND DISEASES, drug therapy/  
ADULT/ \*ANGIOTENSIN II, analogs & derivatives/  
ANGIOTENSIN II, therapeutic use/ \*ANGIOTENSIN  
III, therapeutic use/ HUMAN/ HYPERTENSION,  
drug therapy/ HYPERTENSION, RENAL, drug  
therapy/ MALE
2150. Kono T: [Bartter's syndrome—abnormal prostaglandin production] Nippon Rinsho Suppl:1530-1, May 78  
ADULT/ \*BARTTER'S DISEASE/ BARTTER'S  
DISEASE, drug therapy/ BARTTER'S DISEASE,  
metabolism/ HUMAN/ \*HYPERALDOSTERONISM,  
drug therapy/ HYPERALDOSTERONISM, metabolism/  
HYPERALDOSTERONISM, metabolism/  
INDOMETHACIN, therapeutic use/ MALE/  
\*PROSTAGLANDINS, biosynthesis
2151. Korach KS, Ford EB: Estrogen action in the mouse: an additional nuclear event. Biochem Biophys Res Commun 83(1):327-33, 14 Aug 78  
ANIMAL/ CASTRATION/ \*CELL NUCLEUS,  
metabolism/ CYCLOHEXIMIDE, pharmacodynamics/  
ESTRADIOL, metabolism/ \*ESTRADIOL,  
pharmacodynamics/ FEMALE/ MICE/ RECEPTORS/  
ESTROGEN, drug effects/ \*RECEPTORS,  
ESTROGEN, metabolism/ SEX MATURATION/  
\*UTERUS, metabolism
2152. Korchak HM, Weissmann G: Changes in membrane of human granulocytes antecede the metabolic response to surface stimulation. Proc Natl Acad Sci USA 75(8):4178-82, Aug 78  
\*ANTIGEN-ANTIBODY COMPLEX/ BINARY  
SITES/ CALCIUM, pharmacodynamics/  
\*CONCAVALIN A, pharmacodynamics/  
\*GRANULOCYTES, metabolism/ HUMAN/  
HYDROCORTISONE, pharmacodynamics/  
LIGANDS/ LYSOSOMES, enzymology/  
\*MEMBRANE POTENTIALS/  
METHYLPREDNISOLONE, pharmacodynamics/  
OXYGEN/ SERUM ALBUMIN, BOVINE,  
immunology/ TRITYL COMPOUNDS/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
2153. Kordon C, Hery M, Enjalbert A: Neurotransmitters and pituitary function. Curr Top Mol Endocrinol 3:51-66, 1978  
ANIMAL/ CASTRATION/ CIRCADIAN  
RHYTHM/ FEMALE/ FSH, secretion/  
HYDROXYINDOLEACETIC ACID, physiology/  
LACTATION/ LH, secretion/ \*NEUROHORMONES,  
physiology/ PITUITARY GLAND, ANTERIOR,  
effects/ \*PITUITARY GLAND, ANTERIOR,  
secretion/ \*PITUITARY HORMONES, ANTERIOR,  
secretion/ PONS, physiology/ PONS, surgery/  
PREGNANCY/ PROLACTIN, secretion/  
SEROTONIN, physiology
2154. Kordon C, Hery M, Gogan F, et al: Circadian pattern of secretion of hormones by the anterior pituitary gland: particular reference to the involvement of serotonin in rhythmic regulation. pp. 163-71. In: Assenmacher I, Farner DS, ed. Environmental endocrinology. Berlin, Springer, 1978. WK 102.3  
ANIMAL/ CASTRATION/ \*CIRCADIAN  
RHYTHM/ CIRCADIAN RHYTHM, drug  
CORTICOTROPIN, blood/ ESTRADIOL,  
pharmacodynamics/ FEMALE/ FSH, blood/  
blood/ LH-FSH RELEASING HORMONE,  
pharmacodynamics/ MALE/ MONOGRAPH/  
\*PITUITARY GLAND, ANTERIOR, physiology/  
\*PITUITARY HORMONES, ANTERIOR,  
physiology/ RATS/ \*SEROTONIN, physiology/  
FACTORS
2155. Koritz SB, Bhargava G, Schwartz E: ACTH action on steroidogenesis. Ann NY Acad Sci 297:329-35, 2 Aug 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ \*ADRENAL CORTEX HORMONES,  
biosynthesis/ \*ADRENAL CORTEX, metabolism/  
ANIMAL/ CHOLESTEROL, metabolism/  
\*CORTICOTROPIN, metabolism/  
CYCLOHEXIMIDE, pharmacodynamics/ IN  
MITOCHONDRIA, metabolism/ PROTEINS,  
biosynthesis/ PUROMYCIN, pharmacodynamics/  
RATS



## AUTHOR SECTION

- Kornalik F, Táborák E: Procoagulant and defibrinating potency of the venom gland extract of *Thelotrema kirtlandi*. *Thromb Res* 12(6):991-1001, Jun 78
- ANIMAL/ \*BLOOD COAGULATION/ BLOOD PLATELETS/ CALCIUM, metabolism/ FACTOR X DEFICIENCY, blood/ FACTOR X, metabolism/ \*FIBRIN, metabolism/ FIBRINOGEN, metabolism/ HUMAN/ PROTHROMBIN, metabolism/ RATS/ \*SNAKE VENOMS, pharmacodynamics/ THROMBIN, metabolism
- Kornblut AD, Gadek JE, Fauci AS, et al: Head and neck manifestations of histiocytic medullary reticulosis. *Laryngoscope* 88(10):1596-602, Oct 78
- ADULT/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ \*HEAD AND NECK NEOPLASMS, pathology/ HUMAN/ MALE/ MIDDLE AGE/ PALATAL NEOPLASMS, pathology/ PAROTID NEOPLASMS, pathology/ PREDNISONE, therapeutic use/ RETICULOENDOTHELIOSIS, diagnosis/ RETICULOENDOTHELIOSIS, drug therapy/ \*RETICULOENDOTHELIOSIS, pathology/ SKIN ULCER, etiology
- Kornerup HJ, Fredsted B, Pedersen RS: A longitudinal study of arterial blood pressure in chronic haemodialysis patients with different levels of plasma renin concentration. *Scand J Urol Nephrol* 12(2):161-5, 1978
- ADULT/ \*BLOOD PRESSURE/ FEMALE/ \*HEMODIALYSIS/ HUMAN/ \*HYPERTENSION, RENAL, blood/ LONGITUDINAL STUDIES/ MALE/ MIDDLE AGE/ \*RENIN, blood/ TIME FACTORS
- Kornerup HJ, Pedersen EB, Petersen VP: Bartter's syndrome without hyperplasia of the juxtaglomerular apparatus, treated with indomethacin. *Acta Med Scand* 204(3):235-9, 1978
- ADULT/ \*BARTTER'S DISEASE, drug therapy/ BARTTER'S DISEASE, pathology/ CASE REPORT/ DIET, SALT-FREE/ DRUG EVALUATION/ HUMAN/ \*HYPERALDOSTERONISM, drug therapy/ HYPERPLASIA/ \*INDOMETHACIN, therapeutic use/ JUXTAGLOMERULAR APPARATUS, pathology/ KIDNEY, pathology/ MALE/ SPIRONOLACTONE, therapeutic use
- Kornienko EA, Kastrubin EM, Laricheva IP, et al: Effektivnost' élektroanal'gezii pri lechenii neiroéndokrinnnykh sindromov v ginekologii. *Akush Ginekol (Mosk)* (8):35-9, Aug 78 (Rus)
- ADULT/ BODY TEMPERATURE/ \*CASTRATION, adverse effects/ CHRONIC DISEASE/ \*CLIMACTERIC/ CLINICAL RESEARCH/ ELECTROENCEPHALOGRAPHY/ \*ELECTRONARCOSIS/ FEMALE/ FSH, urine/ HUMAN/ LH, urine/ MIDDLE AGE/ \*PREMENSTRUAL TENSION, therapy/ SYNDROME
- Korolev GK, Smoryanova OA: O vliianii antifolievogo preparata tomizina, obladaiushchego protivopukhholevói aktivnost'iu, na funktsiiu shchitovidnoi zhelezy. *Farmakol Toksikol* 41(5):608-12, Sep-Oct 78 (Eng. Abstr.) (Rus)
- ANIMAL/ \*ANTINEOPLASTIC AGENTS/ DRUG SCREENING/ ENGLISH ABSTRACT/ \*FOLIC ACID ANTAGONISTS, pharmacodynamics/ FOLIC ACID ANTAGONISTS, therapeutic use/ RATS/ SARCOMA, EXPERIMENTAL, drug therapy/ \*THIAZINES, pharmacodynamics/ THIAZINES, therapeutic use/ THYROID FUNCTION TESTS/ \*THYROID GLAND, drug effects/ THYROID NEOPLASMS, drug therapy/ TIME FACTORS
- Korostovtsev DS: Teoreticheskie obosnovaniia vozmozhnosti klinicheskogo primeneniia gistamina v svete novykh predstavlenii o sisteme H2-retseptsii i tsiklicheskogo AMF. *Vopr Okhr Materin Det* 23(10):46-51, Oct 78 (Rus)
- \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ \*ASTHMA, drug therapy/ ASTHMA, immunology/ CHILD, PRESCHOOL/ DRUG COMBINATIONS/ \*GAMMA GLOBULINS, therapeutic use/ \*HISTAMINE H1 RECEPTOR BLOCKADERS, therapeutic use/ \*HISTAMINE H2 RECEPTOR BLOCKADERS, therapeutic use/ \*HISTAMINE, therapeutic use/ HUMAN/ RECEPTORS, HISTAMINE H1, drug effects/ \*RECEPTORS, HISTAMINE H2, drug effects/ \*RECEPTORS, HISTAMINE, drug effects
2163. Kort H, van der Walt LA: The intra-uterine contraceptive device—contraceptive or abortifacient? *S Afr Med J* 53(21):864-6, 27 May 78
- ADULT/ CLINICAL RESEARCH/ FEMALE/ \*GONADOTROPINS, CHORIONIC, blood/ HUMAN/ \*INTRAUTERINE DEVICES/ INTRAUTERINE DEVICES, COPPER/ MENSTRUATION/ OVULATION/ \*PROGESTERONE, blood
2164. Korukhov VV, Kudriavtseva GV: Vliianie éstrogen-progestinovogo kontratseptivnogo preparata na aktivnost' fermentov pentozofosfatnogo puti metabolizma uglevodov i nekotorye pokazateli nukleinovogo obmena. *Farmakol Toksikol* 41(5):604-8, Sep-Oct 78 (Eng. Abstr.) (Rus)
- ANIMAL/ \*CARBOHYDRATES, metabolism/ \*CONTRACEPTIVES, ORAL/ \*CONTRACEPTIVES, ORAL, COMBINED/ ENGLISH ABSTRACT/ ENZYME ACTIVATION, drug effects/ FEMALE/ LIVER, drug effects/ LIVER, enzymology/ \*MESTRANOL, pharmacodynamics/ \*NORETHYNODREL, pharmacodynamics/ \*NUCLEIC ACIDS, metabolism/ \*PENTOSEPHOSPHATES, metabolism/ RATS/ RIBONUCLEASE, metabolism/ UTERUS, drug effects/ UTERUS, enzymology
2165. Kosman ME: Evaluation of a new antidiuretic agent, desmopressin acetate (DDAVP). *JAMA* 240(17):1896-7, 20 Oct 78
- ADMINISTRATION, INTRANASAL/ \*ARGIPRESSIN, therapeutic use/ DESMOPRESSIN, administration & dosage/ DESMOPRESSIN, pharmacodynamics/ \*DESMOPRESSIN, therapeutic use/ \*DIABETES INSIPIDUS, drug therapy/ DIABETES MELLITUS, etiology/ DRUG EVALUATION/ HUMAN/ KIDNEY, drug effects
2166. Kossakowski JS: Guzy jader. *Pieleg Polozna* (8):6-7, 1978 (Pol)
- HUMAN/ LYMPHATIC METASTASIS/ LYMPHOGRAPHY/ MALE/ \*TESTICULAR NEOPLASMS/ TESTICULAR NEOPLASMS, drug therapy/ TESTICULAR NEOPLASMS, surgery
2167. Kotani M, Kobayashi R, Harada A, et al: Effect of thyroid hormone, actinomycin D, cycloheximide and puromycin on TRH-induced secretion of TSH, as studied by pituitary concentration of cyclic AMP and intrathyroidal colloid droplet formation. *Arch Int Pharmacodyn Ther* 234(1):145-55, Jul 78
- ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ \*ANTINEOPLASTIC AGENTS, pharmacodynamics/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ IN VITRO/ MALE/ MICE/ MICE, INBRED STRAINS/ PITUITARY GLAND, metabolism/ PUROMYCIN, pharmacodynamics/ THYROID GLAND, physiology/ \*THYROID HORMONES, pharmacodynamics/ \*THYROTROPIN RELEASING HORMONE, pharmacodynamics/ \*THYROTROPIN, blood/ TIME FACTORS
2168. Kousaka T, Yamamoto I, Dokou S, et al: [Fundamental and clinical studies on the measurement of bone mineral content with bone mineral analyzer (author's transl)] *Kaku Igaku* 15(4):533-43, Jun 78 (Eng. Abstr.) (Jpn)
- ADOLESCENCE/ ADULT/ AGED/ AMERICIUM/ \*BONE AND BONES, analysis/ CHILD/ \*DENSITOMETRY, methods/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ IODINE RADIOISOTOPES/ MALE/ MIDDLE AGE/ \*MINERALS, analysis
2169. Kouvonon I, Pettersson K, Lövgren T: Amido black 10 B-stained bovine serum albumin (BSA) in density gradient centrifugation. *Anal Biochem* 89(1):306-8, 15 Aug 78
- \*AMIDO BLACK/ \*AZO COMPOUNDS/ \*CENTRIFUGATION, DENSITY GRADIENT/ CYTOSOL/ FEMALE/ HUMAN/ MYOMETRIUM/ RECEPTORS, ESTROGEN, analysis/ REFERENCE STANDARDS/ \*SERUM ALBUMIN, BOVINE
2170. Kovač T, Lepšanić L, Ivković T: Ahilogram, princip i metoda. *Srp Arh Celok Lek* 105(12):1075-83, Dec 77 (Eng. Abstr.) (Ser)
- \*ACHILLES TENDON, physiopathology/ ENGLISH ABSTRACT/ HUMAN/ REFLEX, TENDON/ \*THYROID FUNCTION TESTS, methods

# AUTHOR SECTION

2171. Koval'zon VM, Tsubul'skii VL: Deprivatsiia 'bystrogo' sna razdrazheniem retikuliarnoi formatsii u kryś.  
Fiziol Zh SSSR 64(8):1082-8, Aug 78 (Eng. Abstr.) (Rus)  
ADRENAL GLANDS, physiology/ ANIMAL/  
BEHAVIOR, ANIMAL, physiology/ BODY  
WEIGHT/ ELECTRIC STIMULATION/ ENGLISH  
ABSTRACT/ MALE/ \*MESENCEPHALON,  
physiology/ RATS/ \*RETICULAR FORMATION,  
physiology/ \*SLEEP DEPRIVATION/ \*SLEEP,  
REM, physiology/ THYMUS GLAND, physiology
2172. Kovařovičová J, Brémová A, Benda J, et al: Hodonínská  
jodobromová solanka v léčbě progresivní polyartritidy.  
Fysiatr Reumatol Vestn 56(5):252-7, Oct 78 (Eng. Abstr.)  
(Cze)  
ADOLESCENCE/ ADULT/ AGED/ \*ARTHRITIS,  
RHEUMATOID, therapy/ \*BATHS/ BROMINE,  
therapeutic use/ ENGLISH ABSTRACT/ FEMALE/  
HUMAN/ IODINE, therapeutic use/ MALE/  
METHODS/ MIDDLE AGE/ \*MINERAL WATERS
2173. Kowal J, Horst I, Pensky J, et al: A comparison of the effects  
of ACTH, vasoactive intestinal peptide, and cholera toxin  
on adrenal cAMP and steroid synthesis  
Ann NY Acad Sci 297:314-28, 28 Oct 77  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
biosynthesis/ ADENYL CYCLASE, metabolism/  
\*ADRENAL GLANDS, drug effects/ ADRENAL  
GLANDS, metabolism/ CELLS, CULTURED/  
CHOLERA TOXIN, pharmacodynamics/  
COMPARATIVE STUDY/ \*CORTICOTROPIN,  
pharmacodynamics/ GUANYLYL  
IMIDODIPHOSPHATE, metabolism/ IN VITRO/  
RATS/ \*STEROIDS, biosynthesis/ UNITED STATES  
GOV'T SUPPORTED/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ VASOACTIVE INTESTINAL  
PEPTIDE, pharmacodynamics
2174. Kowaloff EM, Phang JM, Granger AS, et al: Glucocorticoid  
induction of proline oxidase in LLC-RK1 cells.  
J Cell Physiol 97(2):153-9, Nov 78  
ANIMAL/ CELL DIVISION/ CELL LINE/  
CYCLOHEXIMIDE, pharmacodynamics/  
DACTINOMYCIN, pharmacodynamics/  
\*DEXAMETHASONE, pharmacodynamics/  
ENZYME INDUCTION/ MITOCHONDRIA,  
enzymology/ ORNITHINE AMINOTRANSFERASE,  
metabolism/ \*OXYGENASES, biosynthesis/  
PROLINE/ PUROMYCIN, pharmacodynamics
2175. Koyama T, Yaoi Y, Nishi N, et al: [Effects of postovulatory  
synthetic corticosteroid administration on ovarian function  
in women (author's transl)]  
Nippon Naibunpi Gakkai Zasshi 54(5):648-53, 20 May 78  
(Eng. Abstr.) (Jpn)  
BODY TEMPERATURE, drug effects/ \*CORPUS  
LUTEUM, drug effects/ ENGLISH ABSTRACT/  
ESTRADIOL, blood/ FEMALE/ FSH, blood/  
HUMAN/ LH, blood/ \*MENSTRUATION, drug  
effects/ MENSTRUATION, LUTEAL PHASE/  
\*OVULATION, drug effects/ PROGESTERONE,  
blood/ \*TRIAMCINOLONE ACETONIDE,  
pharmacodynamics
2176. Kozhemiakin LA, Korostovtsev DS: Sootnoshenie tsiklicheskhkh  
nukleotidov pri bronkhial'noi astme.  
Vopr Okhr Materin Det 23(10):39-42, Oct 78 (Eng. Abstr.)  
(Rus)  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
blood/ \*ASTHMA, blood/ CHILD/ CHILD,  
PRESCHOOL/ ENGLISH ABSTRACT/  
\*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
blood/ HUMAN
2177. Kozhin AA: O patogeneticheskoi obuslovlennosti lechebnogo  
effekta infekundina. Akush Ginekolog (Mosk) (8):40-3, Aug 78  
(Eng. Abstr.) (Rus)  
ANIMAL/ \*CONTRACEPTIVES, ORAL, therapeutic  
use/ DRUG COMBINATIONS/ DRUG  
SCREENING/ ENDOMETRIUM, drug effects/  
ENGLISH ABSTRACT/ ESTRUS, drug effects/  
FEMALE/ GRAAFIAN FOLLICLE, drug effects/  
\*MESTRANOL, therapeutic use/  
\*NORETHYNODREL, therapeutic use/ PHOTIC  
STIMULATION/ RATS/ RNA, metabolism/ TIME  
FACTORS
2178. Kozik MB, Wigowska-Sowińska J, Pietrzak M: Morfologia  
jąder neurosekrecyjnych podwzgórza i części nerwowej  
przysadki mózgowej w przebiegu zatrucia octanem  
fenylortęciowym. Endokrynol Pol 29(4):321-37, Jul-Aug 78
- (Eng. Abstr.)  
ANIMAL/ ENGLISH ABSTRACT/ FEMALE/  
\*HYPOTHALAMUS, drug effects/  
\*HYPOTHALAMUS, ultrastructure/ MALE/  
\*PHENYL MERCURY COMPOUNDS, poisoning/  
\*PHENYLMERCURIC ACETATE, poisoning/  
\*PITUITARY GLAND, POSTERIOR, drug effects/  
\*PITUITARY GLAND, POSTERIOR, ultrastructure/  
RATS
2179. Kozuru M: [Androgen therapy of aplastic anemia]  
Nippon Rinsho Suppl:1668-9, May 78  
\*ANDROGENS, therapeutic use/ \*ANEMIA,  
APLASTIC, drug therapy/ FEMALE/ HUMAN  
MALE
2180. Krabbe S, Christensen T, Worm J, et al: Relationship between  
haemoglobin and serum testosterone in normal children  
adolescents and in boys with delayed puberty.  
Acta Paediatr Scand 67(5):655-8, Sep 78  
ADOLESCENCE/ ADULT/ AGE FACTORS/  
BODY HEIGHT/ BODY WEIGHT/ CHILD/  
ERYTHROPOIESIS/ FEMALE/ \*HEMOGLOBIN  
HEMOGLOBINS, analysis/ HUMAN/ MALE/  
\*PUBERTY/ SEX FACTORS/ \*TESTOSTERONE  
blood
2181. Krakoff LR, Vlachakis N, Mendlowitz M, et al: Differential  
effect of prostaglandin A1 in hypertensive patients with  
normal and high renin. Clin Sci Mol Med 48 Suppl  
2:311s-313s, Jun 75  
\*BLOOD PRESSURE, drug effects/ COMPARATIVE  
STUDY/ HUMAN/ HYPERTENSION, blood/  
\*HYPERTENSION, metabolism/  
\*PROSTAGLANDINS A, pharmacodynamics/  
\*RENIN, blood/ SODIUM, urine/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
2182. Kranias G, Kranias E, Dobbie GJ, et al: Human platelet  
kinases in diabetic retinopathy. FEBS Lett 92(2):357-  
Aug 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
blood/ AGING/ \*BLOOD PLATELETS,  
enzymology/ DIABETES MELLITUS, blood/  
\*DIABETIC RETINOPATHY, enzymology/  
FEMALE/ HUMAN/ MALE/  
PHOSPHORYLATION/ \*PROTEIN KINASE
2183. Krans HM: Anorexia nervosa: verstoorte endocriene regulatie.  
Ned Tijdschr Geneesk 122(40):1531-3, 7 Oct 78  
ADOLESCENCE/ ADRENAL CORTEX  
HORMONES, metabolism/ \*ANOREXIA NERVOSA,  
metabolism/ FEMALE/ \*HORMONES, metabolism/  
HUMAN/ PITUITARY HORMONES, metabolism/  
\*PITUITARY HORMONES, metabolism/  
SOMATOTROPIN, metabolism/ THYROID  
HORMONES, metabolism/ VASOPRESSIN, metabolism
2184. Kranz D: Das Verhalten der Adenylatzyklase-Aktivität  
der Stimulation des zyklischen 3',5'-Adenosinmonophosphats  
in der Blutgefäßwand während des Alterns und bei  
Aktuel Gerontol 8(8):449-54, Aug 78 (Eng. Abstr.)  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
analysis/ \*ADENYL CYCLASE, analysis/ \*ADENYL  
CYCLASE, analysis/ \*ADENYL CYCLASE, analysis/  
ANIMAL/ BLOOD PRESSURE/ \*BLOOD  
PRESSURE, enzymology/ ENGLISH ABSTRACT/  
ENZYME INDUCTION/ MALE/ RATS/ \*STRESS,  
enzymology
2185. Kraska T, Zochowski RJ, Korewicki J, et al: Pierwsze  
doświadczenia kliniczne z zastosowaniem dużych dawek  
sterydów nadnerczowych w leczeniu świeżego zawału  
Kardiolog Pol 21(4):293-9, 1978 (Eng. Abstr.)  
ACUTE DISEASE/ \*ADRENAL CORTEX  
HORMONES, therapeutic use/ AGED/ ENGLISH  
ABSTRACT/ HUMAN/ MIDDLE AGE/  
\*MYOCARDIAL INFARCTION, drug therapy
2186. Krasova TG, Bashura GS, Murav'ev IA: Issledovanie  
solubilizatsii gidrokortizona i prednizolona v vodnykh  
rastvorakh glitsirama. Farmatsiia 27(5):32-5, Sep-Oct 78  
DOSE-RESPONSE RELATIONSHIP, DRUGS/  
\*GLYCERYLPHOSPHATE, pharmacodynamics/  
\*HYDROCORTISONE, pharmacodynamics/  
\*PREDNISOLONE, pharmacodynamics/  
SOLUBILITY/ SOLUTIONS/ \*SURFACE-ACTIVE  
AGENTS
2187. Kratzsch G, Raptis S, Pal SB, et al: Kortikosteroid-



## AUTHOR SECTION

- antirheumatische Kombinationspräparate bei der Behandlung rheumatischer Erkrankungen. Wirkung und Verträglichkeit eines Dexamethason-haltigen Präparates in einem festen Therapieplan über 10 Tage. Fortschr Med 96(39):2001-4, 19 Oct 78 (Ger)
- ADULT/ \*DEXAMETHASONE, therapeutic use/ DRUG COMBINATIONS/ DRUG EVALUATION/ FEMALE/ HUMAN/ LIDOCAINE, therapeutic use/ MALE/ MIDDLE AGE/ PHENYLBUTAZONE, therapeutic use/ \*RHEUMATISM, drug therapy/ SALICYLAMIDES, therapeutic use/ THIAMINE, therapeutic use/ VITAMIN B 12, therapeutic use
38. Krause EG, Ziegelhöffer A, Fedelsova M, et al: Myocardial cyclic nucleotide levels following coronary artery ligation. Adv Cardiol 25:119-29, 1978
- \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ ARTERIES, surgery/ \*CORONARY DISEASE, metabolism/ CORONARY VESSELS, surgery/ DOGS/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HEMODYNAMICS, drug effects/ LIGATION/ \*MYOCARDIUM, metabolism/ PROPRANOLOL, pharmacodynamics
39. Krause JE, Karavolas HJ: The effect of progesterone analogues, naturally occurring steroids, and contraceptive progestins on hypothalamic and anterior pituitary delta-4-steroid (progesterone) 5alpha-reductase. Steroids 31(6):823-39, Jun 78
- ANIMAL/ CORTICOSTERONE, pharmacodynamics/ FEMALE/ HYPOTHALAMUS, drug effects/ \*HYPOTHALAMUS, enzymology/ IN VITRO/ KINETICS/ METHYLATION/ PITUITARY GLAND, ANTERIOR, drug effects/ \*PITUITARY GLAND, ANTERIOR, enzymology/ \*PROGESTATIONAL HORMONES, SYNTHETIC, pharmacodynamics/ \*PROGESTERONE REDUCTASE, metabolism/ \*PROGESTERONE, analogs & derivatives/ PROGESTERONE, pharmacodynamics/ RATS/ \*STERIODS, pharmacodynamics/ TESTOSTERONE, analogs & derivatives/ TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*3-HYDROXYSTEROID DEHYDROGENASES, metabolism
40. Krauthammer C, Klerman GL: Secondary mania: manic syndromes associated with antecedent physical illness or drugs. Arch Gen Psychiatry 35(11):1333-9, Nov 78
- ADRENAL CORTEX HORMONES, adverse effects/ ADULT/ BROMIDES, adverse effects/ EPILEPSY, TEMPORAL LOBE, psychology/ HEMODIALYSIS, psychology/ HUMAN/ ISONIAZID, adverse effects/ LEVODOPA, adverse effects/ MIDDLE AGE/ NEOPLASMS, psychology/ POSTOPERATIVE COMPLICATIONS, psychology/ PROCARBAZINE, adverse effects/ PSYCHOMOTOR AGITATION, etiology/ PSYCHOSES, MANIC-DEPRESSIVE, chemically induced/ \*PSYCHOSES, MANIC-DEPRESSIVE, etiology/ \*PSYCHOSES, ORGANIC, etiology/ \*PSYCHOSES, TOXIC, etiology/ PSYCHOTROPIC DRUGS, adverse effects
41. Krieger DT: Serotonin regulation of ACTH secretion. Ann NY Acad Sci 297:527-35, 28 Oct 77
- ANIMAL/ BRAIN CHEMISTRY/ CATS/ \*CORTICOTROPIN, secretion/ CUSHING'S SYNDROME, drug therapy/ CYPROHEPTADINE, therapeutic use/ GUINEA PIGS/ HUMAN/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, physiology/ PITUITARY-ADRENAL SYSTEM, physiology/ RATS/ SEROTONIN, analysis/ \*SEROTONIN, physiology/ STRESS, physiopathology
42. Krieger DT: Regulation of circadian periodicity of plasma ACTH levels. Ann NY Acad Sci 297:561-7, 28 Oct 77
- ADRENAL CORTEX HORMONES, blood/ ANIMAL/ BRAIN, physiology/ \*CIRCADIAN RHYTHM/ \*CORTICOTROPIN, blood/ CUSHING'S SYNDROME, blood/ HUMAN
43. Krisch B, Leonhardt H: The functional and structural border of the neurohemal region of the median eminence. Cell Tissue Res 192(2):327-39, 5 Sep 78
- ANIMAL/ EXTRACELLULAR SPACE, analysis/ FEMALE/ \*HYPOTHALAMO-HYPOPHYSAL SYSTEM, cytology/ INTERCELLULAR JUNCTIONS, physiology/ LH-FSH RELEASING HORMONE, analysis/ MALE/ MEDIAN EMINENCE, analysis/ \*MEDIAN EMINENCE, cytology/ MEDIAN EMINENCE, physiology/ NEUROHEMAL ORGAN, analysis/ \*NEUROHEMAL ORGAN, cytology/ NEUROHEMAL ORGAN, physiology/ \*NEUROSECRETORY SYSTEMS, cytology/ RATS/ SOMATOTROPIN RELEASE INHIBITING HORMONE, analysis/ VASOPRESSINS, analysis
2194. Kristal MB, Axelrod S, Noonan M: Learning in escape/avoidance tasks in female rats does not vary with reproductive condition. Physiol Behav 21(2):251-6, Aug 78
- ANIMAL/ ASSOCIATION LEARNING, physiology/ \*AVOIDANCE LEARNING, physiology/ ELECTROSHOCK/ \*ESCAPE REACTION, physiology/ \*ESTRUS/ FEMALE/ PREGNANCY/ \*PREGNANCY, ANIMAL/ RATS/ RETENTION (PSYCHOLOGY), physiology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2195. Kristensen BO: [Risks in sudden withdrawal of beta-blocking drugs--beta-blockade withdrawal syndrome] Ugeskr Laeger 140(39):2357-60, 25 Sep 78 (Eng. Abstr.) (Dan)
- \*ADRENERGIC BETA RECEPTOR BLOCKADERS/ \*DRUG WITHDRAWAL SYMPTOMS/ DRUG WITHDRAWAL SYMPTOMS, therapy/ ENGLISH ABSTRACT/ HUMAN/ RISK/ SYNDROME/ TRIIODOTHYRONINE, blood
2196. Krivosic-Horber R, Debout J, Legrand M: Techniques anesthésiques et problèmes per-opératoires posés par la chirurgie hypophysaire. Anesth Analg (Paris) 35(2):295-9, Mar-Apr 78 (Fre)
- \*ADENOMA, surgery/ ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ \*ANESTHESIA, methods/ CHILD/ CHILD, PRESCHOOL/ \*CRANIOPHARYNGIOMA, surgery/ HUMAN/ MIDDLE AGE/ \*PATIENT CARE PLANNING/ \*PITUITARY NEOPLASMS, surgery/ POSTOPERATIVE CARE/ PREANESTHETIC MEDICATION
2197. Krokowski E, Fricke M: Die Entstehung der Osteoporose. Eine neue Konzeption. Med Welt 29(38):1483-90, 22 Sep 78 (Ger)
- BONE AND BONES, blood supply/ BONE MARROW, blood supply/ HUMAN/ \*OSTEOPOROSIS, etiology/ REGIONAL BLOOD FLOW/ VASCULAR DISEASES, complications/ VENOUS PRESSURE
2198. Krupa-Wojciechowska B, Leonowicz K, Wyrzykowski B, et al: Plasma volume in men with low-, normal- and high-renin essential hypertension. Cor Vasa 20(3):196-201, 1978
- ADOLESCENCE/ ADULT/ AGE FACTORS/ BLOOD PRESSURE/ HEART RATE/ HUMAN/ \*HYPERTENSION, blood/ MALE/ MIDDLE AGE/ NORMAL VALUES/ \*PLASMA VOLUME/ \*RENIN, blood
2199. Krupp PP, Frink R: Effects of vitamin A deficiency on ultimobranchial cysts in the thyroid gland: an electron microscopic study. Cell Tissue Res 190(1):181-5, 26 Jun 78
- ANIMAL/ COMPARATIVE STUDY/ \*CYSTS, pathology/ CYTOPLASMIC GRANULES, ultrastructure/ DESMOSOMES, ultrastructure/ DIET/ EPITHELIUM, ultrastructure/ KERATIN/ MALE/ RATS/ \*THYROID DISEASES, pathology/ \*ULTIMOBANCHIAL BODY/ ULTIMOBANCHIAL BODY, ultrastructure/ \*VITAMIN A DEFICIENCY, pathology
2200. Krzych U, Strausser HR, Bressler JP, et al: Quantitative differences in immune responses during the various stages of the estrous cycle in female BALB/c mice. J Immunol 121(4):1603-5, Oct 78
- ANIMAL/ \*ANTIBODY FORMATION/ ANTIBODY PRODUCING CELLS, immunology/ B-LYMPHOCYTES, immunology/ DIESTRUS/ \*ESTRUS/ FEMALE/ MALE/ METESTRUS/ MICE/ MICE, INBRED BALB C/ MITOGENS, pharmacodynamics/ PROESTRUS/ T-LYMPHOCYTES, immunology
2201. Książek A: Ocena aktywności układu adrenergicznego i serotoninoergicznego w przewlekłej niewydolności nerek u ludzi i u szczurów z doświadczalną moczną. Pol Tyg Lek 33(26):1045-6, 26 Jun 78 (Pol)

# AUTHOR SECTION

- ANIMAL/ DOPAMINE BETA-HYDROXYLASE, metabolism/ \*EPINEPHRINE, metabolism/ FEMALE/ HUMAN/ \*KIDNEY FAILURE, CHRONIC, metabolism/ MALE/ MONOAMINE OXIDASE, metabolism/ \*NOREPINEPHRINE, metabolism/ RATS/ RECEPTORS, ADRENERGIC, ALPHA, metabolism/ RECEPTORS, ADRENERGIC, BETA, metabolism/ \*SEROTONIN, metabolism/ TRYPTOPHAN, metabolism/ \*UREMIA, metabolism
2202. Kubiček K, Hojovec J: Vliv různého množství 3% a 5% roztoku jodonalu a na účinnost dezinfekce ve výkrmnách prasat. *Vet Med (Praha)* 23(9):513-20, Sep 78 (Eng. Abstr.) (Cze)
- ANIMAL/ BREEDING/ CHLORAMINES, pharmacodynamics/ COMPARATIVE STUDY/ \*DISINFECTANTS, pharmacodynamics/ \*DISINFECTION/ ENGLISH ABSTRACT/ \*HOUSING, ANIMAL/ \*IODINE, pharmacodynamics/ SOLUTIONS/ \*STERILIZATION/ SWINE
2203. Kubista E, Kucera H, Kupka S: Therapie und Prognose von Genitalsarkomen der Frau. *Zentralbl Gynaekol* 100(15):971-7, 1978 (Eng. Abstr.) (Ger)
- ADULT/ AGED/ AUSTRIA/ CERVIX NEOPLASMS, therapy/ ENGLISH ABSTRACT/ FEMALE/ GENITAL NEOPLASMS, FEMALE, occurrence/ \*GENITAL NEOPLASMS, FEMALE, therapy/ HUMAN/ MIDDLE AGE/ OVARIAN NEOPLASMS, therapy/ PROGNOSIS/ RETROSPECTIVE STUDIES/ SARCOMA, occurrence/ \*SARCOMA, therapy/ VAGINAL NEOPLASMS, therapy
2204. Kubisz P, Pařízek M, Suranová J: Retrakce reptilázového koagula. (Vliv cyklického dibutyryl-adenozinmonofosfátu a prostaglandinu E1). *Bratisl Lek Listy* 70(2):173-80, Aug 78 (Eng. Abstr.) (Cze)
- \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ \*BLOOD COAGULATION, drug effects/ CLOT RETRACTION/ ENGLISH ABSTRACT/ \*PEPTIDE HYDROLASES, antagonists & inhibitors/ PLATELET AGGREGATION, drug effects/ \*PROSTAGLANDINS E, pharmacodynamics/ \*REPTILASE, antagonists & inhibitors
2205. Kubo T: Cardiovascular reactivity in renal and spontaneously hypertensive rats. *Arch Int Pharmacodyn Ther* 234(1):49-57, Jul 78
- ADRENALECTOMY/ ANIMAL/ \*HEMODYNAMICS, drug effects/ HINDLIMB, physiopathology/ HYDROXYDOPAMINE, pharmacodynamics/ \*HYPERTENSION, physiopathology/ \*HYPERTENSION, RENAL, physiopathology/ MALE/ NOREPINEPHRINE, pharmacodynamics/ RATS/ SYMPATHETIC NERVOUS SYSTEM, drug effects/ VASOPRESSINS, pharmacodynamics
2206. Kubota M, Hirayama T, Nagase O, et al: Synthesis of the untriacontapeptide corresponding to the entire amino acid sequence of human beta-endorphin. *Chem Pharm Bull (Tokyo)* 26(7):2139-46, Jul 78
- AMINO ACID SEQUENCE/ ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ \*ENDORPHINS, chemical synthesis/ ENDORPHINS, pharmacodynamics/ HUMAN/ MICE/ \*PEPTIDES, chemical synthesis/ PEPTIDES, pharmacodynamics
2207. Kucharska K, Sancewicz-Pach K: Leczenie leukeraniem zespołu nerczycowego u dzieci. *Pediatr Pol* 53(8):973-8, Aug 78 (Eng. Abstr.) (Pol)
- ADOLESCENCE/ CASE REPORT/ CHILD/ \*CHLORAMBUCIL, therapeutic use/ COMPARATIVE STUDY/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ \*NEPHROTIC SYNDROME, drug therapy/ PREDNISONE, therapeutic use
2208. Kudrin AN, Davydova ON: Narushenie vsasyvaniia pitatel'nykh veshchestv iz zheludochno-kishechnogo trakta v krov' pod vlianiem lekarstvennykh sredstv. *Farmatsiia* 27(4):79-83, Jul-Aug 78 (55 ref.) (Rus)
- ANTACIDS, adverse effects/ ANTIBIOTICS, adverse effects/ ANTINEOPLASTIC AGENTS, adverse effects/ CATHARTICS, adverse effects/ CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ DIURETICS, adverse effects/ HUMAN/ HYPOGLYCEMIC AGENTS, adverse effects/
- \*INTESTINAL ABSORPTION, drug effects/ \*NUTRITION, drug effects/ PARASYMPATHOLYTICS, adverse effects/ PARASYMPATHOMIMETICS, adverse effects/ REVIEW/ SPRUE, chemically induced/ SULFANILAMIDES, adverse effects/ TIME FACTORS/ VITAMINS, metabolism
2209. Kugler P, Wrobel KH: Studies on the optimisation and standardisation of the light microscopical succinate dehydrogenase histochemistry. *Histochemistry* 57(1):47-15 Aug 78
- \*ADRENAL GLANDS, enzymology/ ANIMAL CATTLE/ ELECTRON TRANSPORT/ \*FALLOPIAN TUBES, enzymology/ FEMALE GUINEA PIGS/ HUMAN/ MALE/ RATS/ \*SUCCINATE DEHYDROGENASE, analysis/ \*TESTIS, enzymology
2210. Kuhl H, Sachs A, Rosniatowski C, et al: Time-dependent decrease of pituitary response to LH-RH after chronic treatment of intact female rats with ethinyloestradiol norethindrone. *Acta Endocrinol (Copenh)* 89(2):240-50, 78
- ANIMAL/ DOSE-RESPONSE RELATIONSHIP/ DRUG/ ESTRUS/ ETHINYL ESTRADIOL, administration & dosage/ \*ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HYPOTHALAMIC ENZYMOLGY/ INJECTIONS, INTRAVENOUS/ blood/ \*LH, secretion/ \*LH-FSH RELEASING HORMONE, diagnostic use/ NORETHINDRONE, administration & dosage/ \*NORETHINDRONE, pharmacodynamics/ OXYTOCINASE, metabolism/ PITUITARY GLAND, ANTERIOR, enzymology/ \*PITUITARY GLAND, ANTERIOR, secretion/ RATS/ TIME FACTORS
2211. Kuhnert-Brandstätter M, Bösch L: Zur Polymorphie von Arzneistoffen: Medrogeston, Phensuximid und Protion. *Arch Pharm (Weinheim)* 311(9):757-61, Sep 78 (Eng. A)
- CHEMISTRY/ ENGLISH ABSTRACT/ \*ISONICOTINIC ACIDS/ \*MEDROGESTONE/ \*PHENSUXIMIDE/ \*PREGNADIENES/ \*PROTHIONAMIDE/ THERMODYNAMICS
2212. Kulaga VV, Antipov VN, Talovskaia ZhS, et al: Fonofor nekotorykh kozhnykh zabolevaniakh. *Vestn Dermatol Venerol* (7):80-5, Jul 78
- ADOLESCENCE/ ADULT/ FEMALE/ HUM. HYDROCORTISONE, TOPICAL, therapeutic use/ \*IONTOPHORESIS, methods/ MALE/ MIDDLE AGE/ NAPHTHALENES, therapeutic use/ OINTMENTS/ SALICYLATES, therapeutic use/ \*SKIN DISEASES, therapy/ \*ULTRASONIC THERAPY
2213. Kulavskii VA: Beremennost' i rody pri gipofizarnom nasakharnom diabete. *Vopr Okhr Materin Det* 23(10):7 Oct 78
- ADULT/ CASE REPORT/ \*DIABETES INSIPIDUS/ \*DWARFISM, PITUITARY/ FEMALE/ HUMAN/ INFANT, NEWBORN/ \*LABOR COMPLICATIONS/ \*PREGNANCY COMPLICATIONS/ PREGNANCY
2214. Kuleshov NP, Bochkov NP, Alekhin VI, et al: Tsitogeneticheskoe obsledovanie 6000 novorozhdennykh detei. *Genetika* 14(2):340-7, Feb 78 (Eng. Abstr.)
- AUTOSOME ABNORMALITIES/ \*CHROMOSOME ABERRATIONS/ ENGLISH ABSTRACT/ FEMALE/ GENETICS, POPULATION/ HUMAN/ INFANT, NEWBORN/ MALE/ MOSAICISM/ MOSCOW/ \*MUTATION/ POPULATION SURVEILLANCE/ SEX CHROMOSOME ABNORMALITIES/ TRANSLOCATION (GENETICS)/ TRISOMY
2215. Kulikova LF: Vlianie revmatizma na gonadotropnuiu funktsiiu u devochek-podrostkov. *Akush Ginekol (Moskva)* (8):30-3, Aug 78 (Eng. Abstr.)
- ADOLESCENCE/ AGE FACTORS/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ \*GONADOTROPINS, PITUITARY, physiopathology/ HUMAN/ MENSTRUATION/ \*PITUITARY GLAND, physiopathology/ PUBERTY/ \*RHEUMATISM, physiopathology
2216. Kuller LH, May SJ, Perper JA: The relationship between alcohol, liver disease, and testicular pathology. *Am J Epidemiol* 108(3):192-9, Sep 78



# AUTHOR SECTION

- ADULT/ \*ALCOHOL DRINKING/  
COMPARATIVE STUDY/ HUMAN/ \*LIVER  
CIRRHOSIS, ALCOHOLIC, occurrence/ MALE/  
MIDDLE AGE/ SPERMATOGENESIS/  
\*TESTICULAR DISEASES/ TESTICULAR  
DISEASES, pathology/ TESTOSTERONE, blood
7. Kumagai A, Nishikawa T: [Cushing's disease]  
Nippon Rinsho Suppl:1536-7, May 78 (Jpn)  
CORTICOTROPIN, secretion/ \*CUSHING'S  
SYNDROME/ HUMAN
8. Kumahara Y, Onishi T: [Hypopituitarism] Nippon Rinsho  
Suppl:1544-5, May 78 (Jpn)  
FEMALE/ HUMAN/ \*HYPOPITUITARISM/  
MALE
9. Kumar MA: The basis of beta adrenergic bronchodilation.  
J Pharmacol Exp Ther 206(3):528-34, Sep 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ANIMAL/ \*CALCIUM, metabolism/  
DOGS/ ENERGY METABOLISM/ IN VITRO/  
\*ISOPROTERENOL, pharmacodynamics/ \*MUSCLE  
CONTRACTION/ MUSCLE CONTRACTION, drug  
effects/ \*MUSCLE, SMOOTH, drug effects/ MUSCLE,  
SMOOTH, physiology/ OXYGEN CONSUMPTION/  
POTASSIUM, metabolism/ TRACHEA, drug effects
10. Kumarasamy T, Jordaan HV: HCG [letter] Obstet Gynecol  
52(3):384, Sep 78  
FEMALE/ \*GONADOTROPINS, CHORIONIC,  
analysis/ HUMAN/ PREGNANCY/ \*PREGNANCY,  
ECTOPIC, diagnosis/ RADIOIMMUNOASSAY,  
methods
11. Kumarasamy KR, Rajasekarasetty MR: Chromosomal  
rearranging in Acrididae. Cytobios 19(73):21-6, 1977  
ANIMAL/ CHROMOSOMES, ultrastructure/  
EVOLUTION/ FEMALE/ GRASSHOPPERS,  
genetics/ \*GRASSHOPPERS, ultrastructure/  
KARYOTYPING/ MALE/ SEX DETERMINATION
12. Kumi-Diaka J, Dennis SM: The Sertoli cell index as a measure  
of testicular degeneration in the bull. Vet Rec 103(6):112-4,  
5 Aug 78  
ANIMAL/ \*CATTLE DISEASES, pathology/  
CATTLE/ COMPARATIVE STUDY/ MALE/  
\*SERTOLI CELLS, pathology/ TESTICULAR  
DISEASES, pathology/ \*TESTICULAR DISEASES,  
veterinary
13. Kung HF, Ackerhalt R, Blau M: Uptake of Tc-99m  
monophosphate complexes in bone and myocardial necrosis  
in animals. J Nucl Med 19(9):1027-31, Sep 78  
ANIMAL/ \*BONE AND BONES, metabolism/  
CARBAMYL PHOSPHATE, metabolism/ DISEASE  
MODELS, ANIMAL/ \*MYOCARDIAL DISEASES,  
metabolism/ \*ORGANOPHOSPHORUS  
COMPOUNDS, metabolism/ PHOSPHONACETIC  
ACID, metabolism/ RABBITS/ RATS/  
\*TECHNETIUM, metabolism
14. Kuo CH, Ichida S, Hata F, et al: Effects of synaptic plasma  
membranes on release of acetylcholine from synaptic vesicles.  
Jpn J Pharmacol 28(3):339-43, Jun 78  
\*ACETYLCHOLINE, secretion/ ADENOSINE  
TRIPHOSPHATE, pharmacodynamics/ ANIMAL/  
BRAIN, cytology/ CALCIUM, metabolism/  
CALCIUM, pharmacodynamics/ CYTOPLASM,  
physiology/ IN VITRO/ MAGNESIUM,  
pharmacodynamics/ POTASSIUM, pharmacodynamics/  
PROTEIN BINDING/ RATS/ SYNAPTIC  
MEMBRANES, metabolism/ \*SYNAPTIC  
MEMBRANES, physiology/ \*SYNAPTIC VESICLES,  
secretion
15. Kuo JF, Brackett NL, Stubbs JW, et al: Involvements of cyclic  
nucleotide systems in enlarged mice lungs produced by  
butylated hydroxytoluene. Biochem Pharmacol  
27(12):1671-5, 1978  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ANIMAL/ \*BUTYLATED  
HYDROXYTOLUENE, pharmacodynamics/  
\*CRESOLS, pharmacodynamics/ GUANOSINE  
CYCLIC-3',5'-MONOPHOSPHATE, metabolism/  
HYPERTROPHY, chemically induced/  
HYPERTROPHY, metabolism/ \*LUNG, drug effects/  
LUNG, metabolism/ LUNG, pathology/ MALE/  
MICE/ MICE, INBRED C57BL/ \*NUCLEOTIDES,  
CYCLIC, metabolism/ PROTEIN KINASE,  
metabolism/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ 3',5'-CYCLIC AMP  
PHOSPHODIESTERASE, metabolism/ 3',5'-CYCLIC  
GMP PHOSPHODIESTERASE, metabolism
2226. Kurachi K: [Polycystic ovary syndrome] Nippon Rinsho  
Suppl:1594-5, May 78 (Jpn)  
FEMALE/ HUMAN/ \*STEIN-LEVENTHAL  
SYNDROME
2227. Kurbanov TG, Aliev MG: Somatotropnaia funktsiia  
adenogipofiza pri giperplazii vilochkovoï zhelezy u detei.  
Vopr Okhr Materin Det 23(10):56-8, Oct 78 (Rus)  
CHILD, PRESCHOOL/ FEMALE/ HUMAN/  
INFANT/ MALE/ PITUITARY FUNCTION  
TESTS/ \*PITUITARY GLAND, ANTERIOR,  
physiopathology/ \*SOMATOTROPIN, blood/  
\*THYMUS HYPERPLASIA, diagnosis/ THYMUS  
HYPERPLASIA, physiopathology
2228. Kurdybailo FV, Shlimovich PB: Patogeneiz vnepechenochnykh  
narushenii pri khronicheskom gepatite i tsirroze pecheni i  
puti ikh korrektsii. Ter Arkh 50(10):121-5, 1978 (26 ref.) (Rus)  
BLOOD COAGULATION DISORDERS, etiology/  
CHRONIC DISEASE/ COLONY-FORMING UNITS  
ASSAY/ DIABETES MELLITUS, etiology/  
ENDOCRINE DISEASES, etiology/ FEMALE/  
HEMATOLOGIC DISEASES, etiology/  
HEMATOPOIETIC SYSTEM, physiopathology/  
\*HEPATITIS, complications/ HUMAN/ KIDNEY  
DISEASES, etiology/ \*LIVER CIRRHOSIS,  
complications/ MALE/ REVIEW
2229. Kuriyama T, Sugita T, Watanabe S, et al: [Metabolism of  
vasoactive substances and pulmonary hypertension (author's  
transl)] Nippon Kyobu Shikkan Gakkai Zasshi 16(6):418-24,  
Jun 78 (Eng. Abstr.) (Jpn)  
ANIMAL/ ENGLISH ABSTRACT/  
HYPERTENSION, PULMONARY, chemically  
induced/ \*HYPERTENSION, PULMONARY,  
metabolism/ MALE/ PROSTAGLANDINS,  
metabolism/ PYRROLIZIDINE ALKALOIDS/  
RATS/ RECEPTORS, ADRENERGIC, ALPHA,  
metabolism/ SENEIO/ SEROTONIN, metabolism/  
\*VASOCONSTRICTOR AGENTS, metabolism
2230. Kurokawa K, Kreusser WJ: Renal cell metabolism in phosphate  
depletion: adenine nucleotide metabolism and  
gluconeogenesis. Curr Probl Clin Biochem 8:336-42, 23-26  
Oct 77  
\*ADENINE NUCLEOTIDES, metabolism/  
ADENYLATE KINASE, metabolism/ ANIMAL/  
CALCIUM, metabolism/ \*GLUCONEOGENESIS,  
drug effects/ IN VITRO/ KIDNEY CORTEX, drug  
effects/ \*KIDNEY CORTEX, metabolism/ KIDNEY  
TUBULES, drug effects/ \*KIDNEY TUBULES,  
metabolism/ MAGNESIUM, metabolism/  
MAGNESIUM, pharmacodynamics/ MALE/  
PHOSPHATES, metabolism/ \*PHOSPHATES,  
pharmacodynamics/ RATS
2231. Kurtz DT, Chan KM, Feigelson P: Glucocorticoid induction  
of hepatic alpha2u-globulin synthesis and messenger RNA  
level in castrated male rats in vivo. J Biol Chem  
253(21):7886-90, 10 Nov 78  
\*ALPHA MACROGLOBULINS, biosynthesis/  
ANIMAL/ \*CASTRATION/ \*DEXAMETHASONE,  
pharmacodynamics/ \*HYDROCORTISONE,  
pharmacodynamics/ KINETICS/ LIVER, drug effects/  
\*LIVER, metabolism/ MALE/ \*PROGESTERONE,  
pharmacodynamics/ RATS/ \*RNA, MESSENGER,  
metabolism/ \*STANOLONE, pharmacodynamics/  
TRANSCRIPTION, GENETIC, drug effects/  
TRANSLATION, GENETIC, drug effects/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
2232. Kusch M, Farman N, Edelman IS: Binding of aldosterone to  
cytoplasmic and nuclear receptors of the urinary bladder  
epithelium of Bufo marinus. Am J Physiol 235(3):C82-9, Sep  
78  
\*ALDOSTERONE, metabolism/ ANIMAL/  
BINDING, COMPETITIVE/ \*BLADDER,  
metabolism/ BUFO MARINUS/ CELL NUCLEUS,  
metabolism/ CORTICOSTERONE, metabolism/  
CYTOPLASM, metabolism/ DEXAMETHASONE,  
metabolism/ DOSE-RESPONSE RELATIONSHIP,  
DRUG/ EPITHELIUM, metabolism/ ESTRADIOL,  
metabolism/ FEMALE/ HYDROCORTISONE,  
metabolism/ PROGESTERONE, metabolism/  
\*RECEPTORS, HORMONE, metabolism/  
SULFHYDRYL COMPOUNDS, pharmacodynamics/



# AUTHOR SECTION

- TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2233. Kushwah A, Amma MK, Sareen KN: Effect of testosterone propionate on the changes of hyaluronidase & acid phosphatase activities in rat. *Indian J Exp Biol* 16(6):675-6, Jun 78  
 \*ACID PHOSPHATASE, metabolism/ ANIMAL/  
 \*HYALURONIDASE, metabolism/ MALE/ RATS/  
 STIMULATION, CHEMICAL/ \*TESTOSTERONE, pharmacodynamics
2234. Küss R, Khoury S, Richard F, et al: Cancer de la prostate résistant aux estrogènes avec métastases osseuses: chimiothérapie palliative par le 5 fluoro-uracile et le cyclophosphamide. *Nouv Presse Med* 7(28):2478-9, 26 Aug-2 Sep 78 (Fre)  
 \*BONE NEOPLASMS, drug therapy/  
 \*CYCLOPHOSPHAMIDE, therapeutic use/ DRUG RESISTANCE/ DRUG THERAPY, COMBINATION/ \*ESTROGENS, therapeutic use/  
 \*FLUOROURACIL, therapeutic use/ HUMAN/ MALE/ NEOPLASM METASTASIS/ PALLIATIVE TREATMENT/ \*PROSTATIC NEOPLASMS, drug therapy
2235. Kute TE, Heidemann P, Wittliff JL: Molecular heterogeneity of cytosolic forms of estrogen receptors from human breast tumors. *Cancer Res* 38(11 Pt 2):4307-13, Nov 78  
 \*BREAST NEOPLASMS, metabolism/ BREAST NEOPLASMS, therapy/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CYTOSOL, metabolism/ FEMALE/ HUMAN/ \*NEOPLASMS, HORMONE-DEPENDENT, metabolism/ NEOPLASMS, HORMONE-DEPENDENT, therapy/ OSMOLAR CONCENTRATION/ PROTEASE INHIBITORS/ RECEPTORS, ESTROGEN, isolation & purification/ \*RECEPTORS, ESTROGEN, metabolism/ REMISSION/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2236. Kutsch Lojenga JC: Verslaafd gedrag. *Farmacologische aspecten van drugs*. *Ned Tijdschr Geneesk* 122(40):1509-11, 7 Oct 78 (Dut)  
 ADOLESCENCE/ \*AMPHETAMINES, pharmacodynamics/ BRAIN CHEMISTRY/ CANNABIS/ \*DRUG DEPENDENCE/ ENDORPHINS, metabolism/ \*HALLUCINOGENS, pharmacodynamics/ HUMAN/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ \*MORPHINE, pharmacodynamics/ RECEPTORS, NARCOTIC, drug effects
2237. Kutsenko AI, Shpil'kin VM, Rossel's AN, et al: Razdel'nyi pochechnyi krovotok i aktivnost' renin-al'dosteronovoi sistemy u bol'nykh s renovaskuliarnoi gipertoniei i gipertonicheskoj bolezni'u. *Vestn Akad Med Nauk SSSR* (10):82-9, 1978 (Eng. Abstr.) (Rus)  
 ADOLESCENCE/ ADULT/ \*ALDOSTERONE, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTENSION, blood/ \*HYPERTENSION, physiopathology/ \*KIDNEY, blood supply/ MALE/ MIDDLE AGE/ \*RENIN, blood
2238. Kuttann F, Mauvais-Jarvis P: L'hirsutisme. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):693-701, Apr 78 (Eng. Abstr.) (Fre)  
 \*ANDROGENS, blood/ ANDROGENS, metabolism/ ANDROSTENEDIONE, blood/ ENGLISH ABSTRACT/ FEMALE/ \*HIRSUTISM, blood/ HUMAN/ SKIN, metabolism/ TESTOSTERONE, blood
2239. Kutter D, Kioes C: Jod-induzierte Hyperthyreose. *Dtsch Med Wochenschr* 103(43):1716, 27 Oct 78 (Ger)  
 FEMALE/ HUMAN/ \*HYPERTHYROIDISM, chemically induced/ \*IODINE, adverse effects
2240. Kuwano R, Takahashi Y: A simple method for the preparation of the immunoglobulins to hydroxyindole O-methyltransferase. *J Neurochem* 31(4):809-14, Oct 78  
 \*ACETYLSEROTONIN METHYLTRANSFERASE, immunology/ ANIMAL/ ANTIBODY FORMATION/ CATTLE/ GEL DIFFUSION TESTS/ IMMUNOELECTROPHORESIS/ IMMUNOGLOBULINS, isolation & purification/ METHODS/ \*METHYLTRANSFERASES, immunology/ PINEAL BODY, immunology/ RABBITS, immunology
2241. Kuwano R, Yoshida Y, Takahashi Y: Purification of bovine pineal hydroxyindole O-methyltransferase by immunoadsorption chromatography. *J Neurochem* 31(4):815-24, Oct 78  
 \*ACETYLSEROTONIN METHYLTRANSFERASE, isolation & purification/ ANIMAL/ CATTLE/ HYDROGEN-ION CONCENTRATION/ IMMUNOSORBENT TECHNIQUES/ \*METHYLTRANSFERASES, isolation & purification/ \*PINEAL BODY, enzymology
2242. Kuz'minskaja UA, Ivanitskij VA: Funktsional'noe sostojanie simpatno-adrenalovoi sistemy v usloviakh vozdeistviya khlororganicheskikh pestsitsidov. *Vrach Delo* (6):127-78  
 \*ADRENAL GLANDS, drug effects/ ADRENAL GLANDS, metabolism/ ANIMAL/ BENZENE HEXACHLORIDE, pharmacodynamics/ CATECHOLAMINES, urine/ \*INSECTICIDE ORGANOCHEMICALS, pharmacodynamics/ M/ RATS/ \*SYMPATHETIC NERVOUS SYSTEM effects/ SYMPATHETIC NERVOUS SYSTEM metabolism/ TOXAPHENE, pharmacodynamics
2243. Kvetňanský R, Kopin IJ, Saavedra JM: Changes in epinephrine in individual hypothalamic nuclei after immobilization. *Brain Res* 155(2):387-90, 27 Oct 78  
 ANIMAL/ \*EPINEPHRINE, metabolism/ \*HYPOTHALAMUS, enzymology/ HYPOTHALAMUS, ANTERIOR, enzymology/ HYPOTHALAMUS, MEDIAL, enzymology/ MEDIAN EMINENCE, enzymology/ METHYLTRANSFERASES, metabolism/ RATS/ RESTRAINT, PHYSICAL/ \*STRESS, PSYCHOLOGICAL, enzymology
2244. Kwok SC, Chamley WA, Bryant-Greenwood GD: High molecular weight forms of relaxin in pregnant sow. *Biochem Biophys Res Commun* 82(3):997-1005, 14 Oct 78  
 ANIMAL/ FEMALE/ MOLECULAR WEIGHT/ \*OVARY/ PREGNANCY/ PROTEIN CONFORMATION/ PROTEIN PRECURSOR isolation & purification/ \*RELAXIN, isolation & purification/ SWINE/ TRYPSIN
2245. Kwon HB, Chung SO, Deung YK, et al: Electron microscopic studies of mouse oocytes and two-cell embryos exposed to progesterone in vitro. *Yonsei Med J* 18(1):19-28, 1978  
 ANIMAL/ \*EMBRYO, cytology/ EMBRYO, effects/ FEMALE/ IN VITRO/ MICE/ OOCYTES, drug effects/ \*OOCYTES, ultrastructure/ \*OVARY, ultrastructure/ \*PROGESTERONE, pharmacodynamics
2246. Kyank H, Göretzlehner G, Rudolf K: Neure Erkenntnis der hormonellen Regulation des menstruellen Zyklus. *Z Aerztl Fortbild (Jena)* 72(15):710-9, 1 Aug 78  
 CORPUS LUTEUM, physiology/ ESTRADIOL, physiology/ FEEDBACK/ FEMALE/ GONADOTROPINS, physiology/ HUMAN/ \*HYPOTHALAMIC HORMONES, physiology/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, physiology/ \*MENSTRUATION/ NEUROHYPHYSAL, physiology/ \*PITUITARY HORMONE RELEASE, physiology/ PROGESTERONE, physiology/ PROLACTIN, physiology/ STEROIDS, physiology
2247. Kyle RA, Greipp PR: Primary systemic amyloidosis: comparison of melphalan and prednisone versus placebo. *Blood* 52(4):818-27, Oct 78  
 ALKALINE PHOSPHATASE, blood/ \*AMYLOIDOSIS, drug therapy/ AMYLOIDOSIS, mortality/ BLOOD COAGULATION/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ CREATININE, blood/ DOUBLE-BLIND METHOD/ DRUG THERAPY, COMBINATION/ HUMAN/ IMMUNOELECTROPHORESIS/ \*MELPHALAN, therapeutic use/ PLACEBOS/ \*PREDNISONE, therapeutic use/ PROTEINURIA, diagnosis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

L

2248. (La Barre J), Reuse J: Notice sur la vie et l'oeuvre du professeur J. La Barre, membre titulaire et ancien président. *Bull Mem Acad R Med Belg* 133(4):241-9, 22 Apr 78

BELGIUM/ CURRENT BIOG-OBIT/



## AUTHOR SECTION

- ENDOCRINOLOGY, history/ HISTORICAL  
ARTICLE/ HISTORY OF MEDICINE, 20TH CENT.
249. **Lábady F:** Treatment of testicular hypofunction with gonadotrophic hormones. *Int Urol Nephrol* 10(2):125-30, 1978  
COMPARATIVE STUDY/ DRUG THERAPY, COMBINATION/ FEMALE/ \*GONADOTROPINS, therapeutic use/ GONADOTROPINS, CHORIONIC, administration & dosage/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ MALE/ MENOTROPINS, administration & dosage/ MENOTROPINS, therapeutic use/ PREGNANCY/ \*STERILITY, MALE, drug therapy/ \*TESTICULAR DISEASES, drug therapy/ TESTOSTERONE, administration & dosage/ TESTOSTERONE, therapeutic use
250. **Labhart A, Rothlin M:** Beta-Rezeptorenblocker bei Hyperthyreose. *Internist (Berlin)* 19(9):538-41, Sep 78 (Ger)  
ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ \*ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ HUMAN/ \*HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, physiopathology/ IODINE, therapeutic use/ THYROID GLAND, drug effects
251. **Lahkovskii BM, Danova LA, Gershanovich ML, et al:** Vozmozhnosti preduprezhdeniia kardiotoksicheskikh oslozhenii pri khimioterapii karminomitsinom. *Antibiotiki* 23(9):851-4, Sep 78 (Eng. Abstr.) (Rus)  
ADULT/ AGED/ \*ANTIBIOTICS, ANTINEOPLASTIC, adverse effects/ CARMINOMYCIN, administration & dosage/ \*CARMINOMYCIN, adverse effects/ CLINICAL RESEARCH/ DRUG EVALUATION/ DRUG INTERACTIONS/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ \*HEART, drug effects/ HUMAN/ METHYLTHIOURACIL, administration & dosage/ METHYLTHIOURACIL, therapeutic use/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEOPLASMS, drug therapy
252. **Lahohm EB:** Jododerma vegetans. *Ned Tijdschr Geneesk* 122(35):1291-3, 2 Sep 78 (Eng. Abstr.) (Dut)  
ANTITUSSIVE AGENTS, adverse effects/ CASE REPORT/ \*DERMATITIS MEDICAMENTOSA, etiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERTHYROIDISM, drug therapy/ MIDDLE AGE/ \*POTASSIUM IODIDE, adverse effects/ POTASSIUM IODIDE, therapeutic use
253. **Lahrie F, De Lean A, Barden N, et al:** New aspects of the mechanism of action of hypothalamic regulatory hormones. *Curr Top Mol Endocrinol* 3:147-69, 1976 (61 ref.)  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BINDING SITES/ ESTRADIOL, pharmacodynamics/ FEMALE/ \*HYPOTHALAMUS, physiology/ LH-FSH RELEASING HORMONE, pharmacodynamics/ LH-FSH RELEASING HORMONE, physiology/ PITUITARY GLAND, ANTERIOR, drug effects/ \*PITUITARY GLAND, ANTERIOR, metabolism/ \*PITUITARY HORMONE RELEASING HORMONES, physiology/ PROLACTIN, secretion/ PROTAGLANDINS E, pharmacodynamics/ RECEPTORS, HORMONE, metabolism/ REVIEW/ SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics/ SOMATOTROPIN RELEASE INHIBITING HORMONE, physiology/ THYROID GLAND, physiology/ THYROID HORMONES, pharmacodynamics/ THYROTROPIN RELEASING HORMONE, metabolism/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ THYROTROPIN RELEASING HORMONE, physiology
254. **Lachiver F, Cheniti T, Bradshaw D, et al:** Field studies in Southern Tunisia on water turnover and thyroid activity in two species of Meriones. pp. 81-4.  
In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
BODY WATER, physiology/ BODY WEIGHT/ COMPARATIVE STUDY/ HUMAN/ IODINE, blood/ MONOGRAPH/ PROTEIN-BOUND IODINE TEST/ \*RODENTS, physiology/ SPECIES SPECIFICITY/ \*THYROID GLAND, physiology/ TUNISIA
2255. **Laciak J, Gryczyński M, Durko T:** Włóknaki kostniejący nosa i zatok przynosowych. *Otolaryngol Pol* 32(3):347-50, 1978 (Pol)  
ADULT/ CASE REPORT/ EXOPHTHALMOS, etiology/ FEMALE/ \*FIBROMA, complications/ HUMAN/ MIDDLE AGE/ \*NOSE NEOPLASMS, complications/ \*PARANASAL SINUS NEOPLASMS, complications
2256. **Laekeman GM, Herman AG:** Prostaglandins restore the hyoscine-induced inhibition of the guinea-pig ileum. *Prostaglandins* 15(5):829-37, May 78  
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ DRUG INTERACTIONS/ ELECTRIC STIMULATION/ FEMALE/ GUINEA PIGS/ HISTAMINE, pharmacodynamics/ ILEUM, drug effects/ IN VITRO/ MALE/ \*MUSCLE CONTRACTION, drug effects/ \*MUSCLE, SMOOTH, drug effects/ \*PROTAGLANDINS, pharmacodynamics/ \*SCOPOLAMINE, pharmacodynamics
2257. **LaFontan M, Agid R:** Probable involvement of corticotrophin in ether-induced lipid mobilization in the rabbit: effect of ether stress and corticosterone treatment in vivo. *J Endocrinol* 78(2):285-6, Aug 78  
ANIMAL/ BETAMETHASONE, pharmacodynamics/ CORTICOTROPIN, blood/ \*CORTICOTROPIN, metabolism/ DEXAMETHASONE, pharmacodynamics/ FATTY ACIDS, NONESTERIFIED, blood/ GLYCERIN, blood/ \*LIPID MOBILIZATION/ LIPID MOBILIZATION, drug effects/ RABBITS/ STRESS, physiopathology
2258. **Lagenstein I, Sternowsky HJ, Koepp P, et al:** Myoklonisch-astatische Anfälle (Lennox-Syndrom) im Verlauf der juvenilen neuronalen Ceroidlipofuscinose (M. Batten-Spielmeyer-Vogt). *Klin Paediatr* 190(5):507-11, Sep 78 (Eng. Abstr.) (Ger)  
ADOLESCENCE/ CASE REPORT/ CORTICOTROPIN, therapeutic use/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ \*EPILEPSY, MYOCLONUS, complications/ EPILEPSY, MYOCLONUS, diagnosis/ EPILEPSY, MYOCLONUS, drug therapy/ FEMALE/ \*GANGLIOSIDOSIS, complications/ GANGLIOSIDOSIS, diagnosis/ HUMAN/ MALE
2259. **Laha RK, Dujovny M, Barrionuevo PJ, et al:** Protective effects of methyl prednisolone and dimethyl sulfoxide in experimental middle cerebral artery embolectomy. *J Neurosurg* 49(4):508-16, Oct 78  
ANIMAL/ \*CEREBRAL ARTERY DISEASES, surgery/ \*CEREBRAL EMBOLISM AND THROMBOSIS, surgery/ CEREBRAL INFARCTION, prevention & control/ DIMETHYL SULFOXIDE, administration & dosage/ \*DIMETHYL SULFOXIDE, therapeutic use/ DOGS/ METHYLPREDNISOLONE, administration & dosage/ \*METHYLPREDNISOLONE, therapeutic use/ POSTOPERATIVE COMPLICATIONS, prevention & control
2260. **Lähteenmäki P:** Influence of oral contraceptives on immediate postabortal pituitary-ovarian function. *Acta Obstet Gynecol Scand Suppl* 76:1-43, 1978  
\*ABORTION, INDUCED/ ADOLESCENCE/ ADULT/ \*CONTRACEPTIVES, ORAL/ CONTRACEPTIVES, ORAL, adverse effects/ \*CONTRACEPTIVES, ORAL, SYNTHETIC/ CONTRACEPTIVES, ORAL, SYNTHETIC, adverse effects/ ESTRADIOL, blood/ ETHINYL ESTRADIOL, adverse effects/ ETHINYL ESTRADIOL, blood/ \*ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ FSH, blood/ GONADOTROPINS, CHORIONIC, blood/ HUMAN/ LH, blood/ MENSTRUATION/ NORGESTREL, adverse effects/ NORGESTREL, blood/ \*NORGESTREL, pharmacodynamics/ \*OVARY, drug effects/ OVARY, secretion/ OVULATION/ \*PITUITARY GLAND, ANTERIOR, drug effects/ PITUITARY GLAND, ANTERIOR, secretion/ PREGNANCY/ PROGESTERONE, blood/ RADIOIMMUNOASSAY
2261. **Lähteenmäki P:** The disappearance of HCG and return of pituitary function after abortion. *Clin Endocrinol (Oxf)* 9(2):101-12, Aug 78  
\*ABORTION, blood/ ABORTION, physiopathology/ ESTRADIOL, blood/ FEMALE/ FSH, blood/

# AUTHOR SECTION

- \*GONADOTROPINS, CHORIONIC, blood/  
HALF-LIFE/ HUMAN/ LH, blood/ \*PITUITARY  
GLAND, physiopathology/ PROGESTERONE, blood
2262. Lai CS, Piette LH: Spin-trapping studies of hydroxyl radical production involved in lipid peroxidation. Arch Biochem Biophys 190(1):27-38, Sep 78  
ANIMAL/ CATALASE, metabolism/ ELECTRON SPIN RESONANCE/ EDTA, pharmacodynamics/ FREE RADICALS/ IRON, pharmacodynamics/ KINETICS/ \*LIPIDS, metabolism/ MALE/ MALONDIALDEHYDE, pharmacodynamics/ \*MICROSOMES, LIVER, metabolism/ NADH, NADPH OXIDOREDUCTASES, metabolism/ \*PEROXIDES, metabolism/ RATS/ THIOUREA, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ XANTHINE OXIDASE, metabolism
2263. Laidlaw G, Jackson AG, Pressior R, et al: Gonadal stromal tumor in black male. Urology 12(3):356-8, Sep 78  
ADULT/ BIOPSY/ CASE REPORT/ HUMAN/ MALE/ \*TESTICULAR NEOPLASMS, pathology
2264. Lakhanpal V, Schocket SS, Hameroff SB: Angioid streaks in pituitary tumor. South Med J 71(10):1298-302, Oct 78  
\*ADENOMA, complications/ ADENOMA, diagnosis/ ADENOMA, pathology/ \*ANGIOID STREAKS, etiology/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FLUORESCIN ANGIOGRAPHY/ HUMAN/ MALE/ MIDDLE AGE/ \*PITUITARY NEOPLASMS, complications/ PITUITARY NEOPLASMS, diagnosis/ PITUITARY NEOPLASMS, pathology/ PSEUDOXANTHOMA ELASTICUM, diagnosis
2265. Lakin ML, Giedt WR, Winters WD: The effect of pineal indolamines on the response to ketamine in the pinealectomized chick. Proc West Pharmacol Soc 21:41-5, 1978  
ANIMAL/ CATATONIA, chemically induced/ CATATONIA, physiopathology/ CHICKENS/ EQUILIBRIUM, drug effects/ \*KETAMINE, pharmacodynamics/ MALE/ MELATONIN, physiology/ \*PINEAL BODY, physiology/ SEROTONIN, analogs & derivatives/ SEROTONIN, physiology/ \*TRYPTAMINES, physiology
2266. Lakshmanan J: Nerve growth factor induced phosphatidylinositol turnover effect of 6-hydroxydopamine treatment. FEBS Lett 92(2):159-62, 15 Aug 78  
ANIMAL/ ANIMALS, NEWBORN/ \*GANGLIA, AUTONOMIC, drug effects/ \*GANGLIA, AUTONOMIC, metabolism/ \*HYDROXYDOPAMINE, pharmacodynamics/ \*NERVE GROWTH FACTOR, pharmacodynamics/ \*PHOSPHATIDYLINOSITOLS, metabolism/ \*PINEAL BODY, drug effects/ PINEAL BODY, metabolism/ RATS/ RECEPTORS, DRUG, drug effects
2267. Lakshmanan J: Nerve growth factor induced turnover of phosphatidylinositol in rat superior cervical ganglia. Biochem Biophys Res Commun 82(3):767-75, 14 Jun 78  
ANIMAL/ DACTINOMYCIN, pharmacodynamics/ DINITROPHENOLS, pharmacodynamics/ \*GANGLIA, AUTONOMIC, drug effects/ \*GANGLIA, AUTONOMIC, metabolism/ GLUCAGON, pharmacodynamics/ INOSITOL, metabolism/ INSULIN, pharmacodynamics/ NERVE GROWTH FACTOR, immunology/ \*NERVE GROWTH FACTOR, pharmacodynamics/ PHOSPHATES, metabolism/ \*PHOSPHATIDYLINOSITOLS, metabolism/ PHOSPHOLIPIDS, metabolism/ RATS/ SOMATOTROPIN, pharmacodynamics
2268. Lakshmanan J: Is there a second messenger for nerve growth factor-induced phosphatidylinositol turnover in rat superior cervical ganglia? Brain Res 157(1):173-7, 17 Nov 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ \*GANGLIA, SPINAL, drug effects/ \*GANGLIA, SPINAL, metabolism/ \*NERVE GROWTH FACTOR, pharmacodynamics/ \*PHOSPHATIDYLINOSITOLS, metabolism/ RATS
2269. Lamberti G: Die Trübungsmessung des Fruchtwassers, eine Möglichkeit zur antepartalen Beurteilung der fetalen Reife. Z Geburtshilfe Perinatol 182(4):269-77, Aug 78 (Eng. Abstr.)
- \*AMNIOTIC FLUID, analysis/ ENGLISH ABSTRACT/ FEMALE/ FETUS, physiology/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ \*PHOTOMETRY/ PLACENTA DISORDERS, diagnosis/ PREGNANCY/ SKIN, physiology/ \*TURBIDIMETRY/ VERNIX CASEOSA, secretion
2270. Lamberts SW, Klijn JG, Birkenhäger JC: Prolactine. Ned Tijdschr Geneesk 122(36):1327-34, 9 Sep 78 (47)  
ADENOMA, blood/ ADULT/ AMENORRHEA, metabolism/ BREAST NEOPLASMS, metabolism/ DOPAMINE, metabolism/ ESTROGENS, metabolism/ FEMALE/ GABA, metabolism/ HUMAN/ MAL MENTAL DISORDERS, metabolism/ PITUITARY HORMONES, POSTERIOR, metabolism/ PITUITARY NEOPLASMS, blood/ PROLACTIN, RELEASE INHIBITING HORMONE, metabolism/ PROLACTIN, blood/ \*PROLACTIN, secretion/ RECEPTORS, HORMONE/ REVIEW/ STRESS blood/ THYROTROPIN RELEASING HORMONE, metabolism
2271. Lance V, Callard IP: In vivo responses of female snakes (N. fasciata) and female turtles (Chrysemys picta) to ovine gonadotropins (FSH and LH) as measured by plasma progesterone, testosterone, and estradiol levels. Gen Comp Endocrinol 35(3):295-301, Jul 78  
ANIMAL/ COMPARATIVE STUDY/ \*ESTRADIOL, blood/ FEMALE/ \*FSH, pharmacodynamics/ GRAAFIAN FOLLICLE, metabolism/ \*LH, pharmacodynamics/ MALE/ ORGAN WEIGHT/ OVARY, metabolism/ \*PROGESTERONE, blood/ \*SNAKES, metabolism/ \*TESTOSTERONE, blood/ \*TURTLES, metabolism/ UNITED STATES GOV'T SUPPORTED
2272. Lancelos KD: Effects of estradiol on early messenger RNA in male *Xenopus laevis* liver. Cell Differ 7(5):259-70, Oct 78  
ANIMAL/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, GEL/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ \*ESTRADIOL, pharmacodynamics/ LIVER, metabolism/ MALE/ \*RNA, MESSENGER, metabolism/ SEX FACTORS/ TIME FACTORS, TRANSLATION, GENETIC/ UNITED STATES GOV'T SUPPORTED/ \*XENOPUS, metabolism
2273. Land H, Hofer E, Sekeris CE: Differential behavior of dexamethasone induced mRNA activities in HTC cells response to cordycepin and to withdrawal of hormone. Biochem Biophys Res Commun 83(2):607-15, 28 Jul 78  
CELL LINE/ \*DEOXYADENOSINE, pharmacodynamics/ \*DEXAMETHASONE, pharmacodynamics/ KINETICS/ POLY A, metabolism/ \*RNA, MESSENGER, metabolism/ \*TRANSLATION, GENETIC, drug effects/ TYROSINE AMINOTRANSFERASE, biosynthesis
2274. Landau B, Kaufman H, Urea I: [Complications following treatment of ACTH-dependent Cushing's disease] Harefuah 95(2):77-8, 16 Jul 78 (Eng. Abstr.)  
ADOLESCENCE/ \*ADRENALECTOMY, adverse effects/ CASE REPORT/ CUSHING'S SYNDROME, surgery/ \*CUSHING'S SYNDROME, therapy/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*NELSON SYNDROME, etiology/ \*PITUITARY IRRADIATION, adverse effects/ \*PITUITARY NEOPLASMS, etiology
2275. Landau H, Spitz IM, Cividalli G, et al: Gonadotropin, thyrotrophin and prolactin reserve in beta thalassaemia. Clin Endocrinol (Oxf) 9(2):163-73, Aug 78  
ADOLESCENCE/ ADULT/ CHILD/ FEMALE/ FSH, blood/ \*GONADOTROPINS, CHORIONIC, blood/ GONADOTROPINS, CHORIONIC, secretion/ HUMAN/ \*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ LH, blood/ LH-FSH RELEASING HORMONE, diagnostic use/ MAL \*PROLACTIN, blood/ PUBERTY/ TESTOSTERONE, blood/ THALASSEMIA, blood/ \*THALASSEMIA, physiopathology/ \*THYROTROPIN, blood
2276. Landau IT, Logue CM, Feder HH: Comparison of the effect of estradiol-17beta and the synthetic estrogen, RU-28581, on lordosis behavior in adult female rats and guinea pigs. Horm Behav 10(2):143-55, Apr 78  
ANIMAL/ CASTRATION/ ESTRADIOL,



## AUTHOR SECTION

- administration & dosage/ \*ESTRADIOL, pharmacodynamics/ ESTROGENS, SYNTHETIC, administration & dosage/ \*ESTROGENS, SYNTHETIC, pharmacodynamics/ FEMALE/ GUINEA PIGS/ PROGESTERONE, administration & dosage/ PROGESTERONE, pharmacodynamics/ RATS/ \*SEX BEHAVIOR, ANIMAL, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Landesman SH, Gorbach SL:** Gram negative sepsis and shock. Orthop Clin North Am 9(3):611-25, Jul 78 (52 ref.)  
ANTIBIOTICS, therapeutic use/ FEMALE/ FLUID THERAPY/ HEART, physiopathology/ HEMODYNAMICS/ HUMAN/ LUNG, physiopathology/ PROGNOSIS/ REVIEW/ \*SHOCK, SEPTIC/ SHOCK, SEPTIC, diagnosis/ SHOCK, SEPTIC, etiology/ SHOCK, SEPTIC, physiopathology/ SHOCK, SEPTIC, therapy/ STEROIDS, therapeutic use/ VASOCONSTRICTOR AGENTS, therapeutic use/ VASODILATOR AGENTS, therapeutic use
- Landolt AM:** Praktische Bedeutung neuer Erkenntnisse über Struktur und Funktion von Hypophysenadenomen. Schweiz Med Wochenschr 108(40):1521-35, 7 Oct 78 (76 ref.) (Eng. Abstr.) (Ger)  
ACROMEGALY, etiology/ \*ADENOMA/ ADENOMA, classification/ ADENOMA, physiopathology/ CORTICOTROPIN, secretion/ CYTOPLASMIC GRANULES/ ENDOPLASMIC RETICULUM, physiology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ PITUITARY GLAND, surgery/ PITUITARY HORMONES, secretion/ \*PITUITARY NEOPLASMS/ PITUITARY NEOPLASMS, physiopathology/ PITUITARY NEOPLASMS, secretion/ PROLACTIN, secretion/ REVIEW/ SELLA TURCICA, radiography/ SOMATOTROPIN, secretion/ VISION DISORDERS, etiology
- Lange B, Littman P, Schnauffer L, et al:** Treatment of advanced Hodgkin's disease in pediatric patients. Cancer 42(3):1141-5, Sep 78  
ADOLESCENCE/ AMENORRHEA, etiology/ ANTINEOPLASTIC AGENTS, adverse effects/ \*ANTINEOPLASTIC AGENTS, therapeutic use/ BONE MARROW, drug effects/ BONE MARROW, radiation effects/ CHILD/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ \*HODGKIN'S DISEASE, therapy/ HUMAN/ MALE/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ RADIATION INJURIES, etiology/ RADIOTHERAPY, HIGH ENERGY/ RECURRENCE/ REMISSION/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VINCRISTINE, therapeutic use
- Langer G, Sachar EJ, Halpern FS:** Effect of dopamine and neuroleptics on plasma growth hormone and prolactin in normal men. Psychoneuroendocrinology 3(2):165-9, Apr 78  
ADULT/ DOPAMINE, administration & dosage/ \*DOPAMINE, pharmacodynamics/ HUMAN/ INFUSIONS, PARENTERAL/ MALE/ PERPHENAZINE, administration & dosage/ \*PERPHENAZINE, pharmacodynamics/ PROCHLORPERAZINE, administration & dosage/ \*PROCHLORPERAZINE, pharmacodynamics/ \*PROLACTIN, blood/ RECEPTORS, DOPAMINE, drug effects/ \*SOMATOTROPIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Langhammer H, Sintermann R, Hör G, et al:** Serial bone scintigraphy for assessing the effectiveness of treatment of osseous metastases from prostatic cancer. Nuklearmedizin 17(3):87-91, Jul 78  
\*BONE AND BONES, radionuclide imaging/ \*BONE NEOPLASMS, radionuclide imaging/ BONE NEOPLASMS, therapy/ ESTROGENS, therapeutic use/ FOLLOW-UP STUDIES/ HUMAN/ NEOPLASM METASTASIS/ PROSTATIC NEOPLASMS, surgery/ \*PROSTATIC NEOPLASMS, therapy/ TESTIS, surgery
- Lantz RC, Mauro A:** Alteration of sensitivity and time scale in invertebrate photoreceptors exposed to anoxia, dinitrophenol, and carbon dioxide. J Gen Physiol 72(2):219-31, Aug 78  
ANIMAL/ \*ANOXIA/ BARNACLES/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, metabolism/ \*CARBON DIOXIDE, pharmacodynamics/ \*DINITROPHENOLS, pharmacodynamics/ HORSESHOE CRABS/ LIGHT/ MEMBRANE POTENTIALS, drug effects/ PHOTORECEPTORS, metabolism/ \*PHOTORECEPTORS, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2283. **Laragh JH:** Renin as a predictor of hypertensive complications: discussion. Ann NY Acad Sci 304:165-77, 30 Mar 78  
ANIMAL/ CARDIOVASCULAR DISEASES, etiology/ HUMAN/ \*HYPERTENSION, blood/ HYPERTENSION, complications/ HYPERTENSION, urine/ PROGNOSIS/ \*RENIN, blood/ RISK/ SODIUM, urine/ VASOCONSTRICTION
2284. **Lareng L, Vaysse C, Cerene F, et al:** Notre expérience récente de l'anesthésie et de la réanimation dans la chirurgie du phéochromocytome (à propos de 6 observations). Anesth Analg (Paris) 35(2):241-50, Mar-Apr 78 (Fre)  
\*ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ ANESTHESIA, INHALATION/ ARRHYTHMIA, prevention & control/ CRITICAL CARE/ FEMALE/ HALOTHANE/ HEMODYNAMICS/ HUMAN/ HYPERTENSION, prevention & control/ MALE/ MIDDLE AGE/ \*NEUROLEPTANALGESIA/ PATIENT CARE PLANNING/ \*PHEOCHROMOCYTOMA, surgery/ POSTOPERATIVE CARE
2285. **Larsen B, Pepper B, Barnard JM, et al:** HLA/Bf haplotypes in a Newfoundland family. Tissue Antigens 12(1):39-43, Jul 78  
\*ALLELES/ FEMALE/ \*GOITER, EXOPHTHALMIC, familial & genetic/ GOITER, EXOPHTHALMIC, immunology/ HUMAN/ \*HL-A ANTIGENS/ \*HL-A ANTIGENS, analysis/ MALE/ NEWFOUNDLAND/ PEDIGREE
2286. **Larsen FL, Hinds TR, Vincenzi FF:** On the red blood cell Ca<sup>2+</sup>-pump: an estimate of stoichiometry. J Membr Biol 41(4):361-76, 18 Jul 78  
ADENOSINE TRIPHOSPHATE, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, analysis/ \*CALCIUM, metabolism/ ELECTRODES/ ERYTHROCYTE MEMBRANE, drug effects/ \*ERYTHROCYTE MEMBRANE, metabolism/ \*ERYTHROCYTES, metabolism/ HUMAN/ IN VITRO/ LANTHANUM, pharmacodynamics/ METHODS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2287. **Larsen LO:** Subtotal hepatectomy in intact or hypophysectomized river lampreys (*Lampetra fluviatilis* L.): effects on regeneration, blood glucose regulation, and vitellogenesis. Gen Comp Endocrinol 35(3):197-204, Jul 78  
ANIMAL/ \*BLOOD SUGAR, metabolism/ COMPARATIVE STUDY/ \*CYCLOSTOMES, physiology/ FEMALE/ \*HEPATECTOMY/ HYPOPHYSECTOMY/ INSULIN, pharmacodynamics/ \*LAMPREYS, physiology/ \*LIVER REGENERATION/ LIVER, metabolism/ MALE/ \*OVULATION/ SEASONS
2288. **Larson BA, Williams TL, Lewis UJ, et al:** Insulin secretion from pancreatic islets: effect of growth hormone and related proteins. Diabetologia 15(2):129-32, Aug 78  
ANIMAL/ DIABETES MELLITUS/ FEMALE/ HYPOPHYSECTOMY/ IN VITRO/ \*INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ \*ISLANDS OF LANGERHANS, secretion/ \*PITUITARY HORMONES, pharmacodynamics/ RATS/ \*SOMATOTROPIN, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ SUBTILISINS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2289. **Larson BL:** The dairy goat as a model in lactation studies. J Dairy Sci 61(7):1023-9, Jul 78 (37 ref.)  
ANIMAL/ CALCIUM, metabolism/ CATTLE, metabolism/ CATTLE, physiology/ COMPARATIVE STUDY/ FEMALE/ GOATS, metabolism/ \*GOATS, physiology/ HUMAN/ \*LACTATION/ MAMMAE, metabolism/ MILK, analysis/ MILK, HUMAN, analysis/ PREGNANCY/ REVIEW
2290. **Larsson A:** Screening för kongenital hypotyreo: när, var och hur? Lakartidningen 75(35):2941-3, 30 Aug 78 (Swe)  
HUMAN/ \*HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, occurrence/ HYPOTHYROIDISM, therapy/ INFANT/ INFANT, NEWBORN/ MASS SCREENING/ SWEDEN/

# AUTHOR SECTION

- THYROTROPIN, blood
2291. Larsson C: The renal prostaglandin system: localization and some biological effects. *Contrib Nephrol* 12:82-91, 1978 (46 ref.)  
ANIMAL/ ARACHIDONIC ACIDS, metabolism/ INDOMETHACIN, pharmacodynamics/ KIDNEY MEDULLA, metabolism/ KIDNEY, drug effects/ \*KIDNEY, metabolism/ KIDNEY, physiology/ \*PROSTAGLANDINS, metabolism/ RABBITS/ REVIEW/ SUBCELLULAR FRACTIONS, metabolism
2292. Larsson LI: ACTH-like immunoreactivity in the gastrin cell. Independent changes in gastrin and ACTH-like immunoreactivity during ontogeny. *Histochemistry* 56(3-4):245-51, 12 Jul 78  
ANIMAL/ CORTICOTROPIN, biosynthesis/ \*CORTICOTROPIN, immunology/ FEMALE/ \*GASTRIC MUCOSA, immunology/ GASTRIC MUCOSA, metabolism/ GASTRINS, biosynthesis/ \*GASTRINS, immunology/ IMMUNOENZYME TECHNIQS/ MALE/ \*ONTOGENY/ PROTEIN PRECURSORS, biosynthesis/ \*PYLORIC ANTRUM, cytology/ RATS
2293. Larsson-Cohn U: Riskbedömning vid preventivmedelsrådgivning. *Lakartidningen* 75(41):3670-2, 11 Oct 78 (Eng. Abstr.) (Swe)  
ADNEXITIS, etiology/ \*CONTRACEPTIVES, ORAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*INTRAUTERINE DEVICES, adverse effects/ INTRAUTERINE DEVICES, COPPER, adverse effects/ PREGNANCY/ RISK/ SALPINGITIS, etiology/ SMOKING, complications/ THROMBOEMBOLISM, chemically induced
2294. Las Heras J: La placenta desde el punto de vista pediátrico. *Bol Med Hosp Infant Mex* 35(6):1025-51, Nov-Dec 78 (Eng. Abstr.) (Spa)  
DISEASES IN TWINS, embryology/ ENGLISH ABSTRACT/ FEMALE/ FETAL DEATH/ FETAL DISEASES, etiology/ \*FETAL DISEASES, pathology/ FETAL MEMBRANES, pathology/ HUMAN/ INFANT, NEWBORN/ MATERNAL-FETAL EXCHANGE/ \*PLACENTA DISORDERS, pathology/ PREGNANCY/ UMBILICAL CORD, pathology
2295. Lasso U, Harms D, Wiedemann HR: Osteogenic sarcoma complicating osteogenesis imperfecta tarda. *Eur J Pediatr* 129(3):215-8, 12 Oct 78  
ADOLESCENCE/ AMPUTATION/ CASE REPORT/ \*FEMORAL NEOPLASMS, complications/ FEMORAL NEOPLASMS, drug therapy/ FEMORAL NEOPLASMS, surgery/ HUMAN/ MALE/ METHOTREXATE, therapeutic use/ \*OSTEOGENESIS IMPERFECTA, complications/ \*SARCOMA, OSTEOGENIC, complications/ SARCOMA, OSTEOGENIC, drug therapy/ SARCOMA, OSTEOGENIC, surgery
2296. Last P: Breast-feeding and mother's education [letter] *Lancet* 2(8095):896-7, 21 Oct 78  
ADULT/ \*BREAST FEEDING/ COMPARATIVE STUDY/ CONTRACEPTIVES, ORAL, HORMONAL, pharmacodynamics/ DELIVERY, methods/ EDUCATIONAL STATUS/ FEMALE/ HUMAN/ LACTATION, drug effects/ MATERNAL AGE/ PREGNANCY/ PROGESTERONE, pharmacodynamics
2297. Laurberg P: A sensitive radioimmunoassay for measurements of 3,3'-diiodothyronine in unextracted serum. *Scand J Clin Lab Invest* 38(6):537-42, Oct 78  
ANILINO NAPHTHALENESULFONATES, pharmacodynamics/ ANIMAL/ CROSS REACTIONS/ \*DIIODOTHYRONINES, blood/ FEMALE/ HUMAN/ IMMUNE SERUMS/ MALE/ PROTEIN BINDING, drug effects/ RABBITS/ \*RADIOIMMUNOASSAY, methods/ \*THYRONINES, blood/ TRIIODOTHYRONINE, blood
2298. Lauritzen C: Sekundäre Amenorrhoe nach hormonalen Kontrazeptiva. *Med Klin* 73(39):1343-50, 29 Sep 78 (52 ref.) (Ger)  
ADULT/ \*AMENORRHEA, chemically induced/ BODY TEMPERATURE/ CLOMIPHENE, therapeutic use/ CONTRACEPTIVES, ORAL, COMBINED/ CONTRACEPTIVES, ORAL, HORMONAL/ CONTRACEPTIVES, ORAL, SEQUENTIAL/ ENDOMETRIUM, physiology/ ESTROGENS, analysis/ FEMALE/ GONADOTROPINS, secretion/ HUMAN/ L analysis/ OVULATION, drug effects/ PREG TESTS/ PREGNANCY/ PROLACTIN RELEASE/ INHIBITING HORMONE, analysis/ PRO analysis/ REVIEW/ TIME/ 2-BROMOERGOCRYPTINE, therapeutic use
2299. Laut AD: Sostoianie immunologicheskoi reaktivnos porazhenii gipotalamusa. *Fiziol Zh* 24(5):705-9, Sep (Eng. Abstr.)  
ADULT/ BRAIN DISEASES, immunology/ ENGLISH ABSTRACT/ HUMAN/ \*HYPOTHALAMUS/ \*IMMUNITY/ SYND
2300. Lavalle C, Alcocer J, Gudiño J, et al: Factores séri inhibidores de la inmunidad celular en lupus erit sistémico. *Prensa Med Mex* 43(1-2):16-20, Jan-Feb Abstr.)  
ADULT/ ANTIBODY FORMATION/ B-LYMPHOCYTES, immunology/ CONCANAVALIN A, pharmacodynamics/ EN ABSTRACT/ FEMALE/ HUMAN/ \*IMM CELLULAR/ IMMUNITY, CELLULAR, d effects/ LUPUS ERYTHEMATOSUS, SYST drug therapy/ \*LUPUS ERYTHEMATOSUS SYSTEMIC, immunology/ MALE/ MITOSI effects/ PREDNISONE, therapeutic use/ T-LYMPHOCYTES, immunology
2301. Law PY, Loh HH: 3H-Leu5-enkephalin specific bi synaptic membrane-comparison with 3H-dihydro and 3H-naloxone. *Res Commun Chem Pathol Ph* 21(3):409-34, Sep 78  
ANIMAL/ BACITRACIN, pharmacodynamics/ COMPARATIVE STUDY/ \*DIHYDROMOI metabolism/ DRUG INTERACTIONS/ DRU STABILITY/ \*ENDORPHINS, metabolism/ \*ENKEPHALINS, metabolism/ IN VITRO/ KINETICS/ \*MORPHINE DERIVATIVES metabolism/ \*NALOXONE, metabolism/ PR BINDING/ RATS/ \*SYNAPTIC MEMBR metabolism/ TEMPERATURE
2302. Lawler SD, Walden PA: Chromosome studies in patient with chemotherapy for trophoblastic tumours. *pr*  
In: Evans HJ, Lloyd DC, ed. *Mutagen-induced chromosome damage in man*. Edinburgh, Univ Pr QH 462.A1 M992 1977.  
ADULT/ \*ANTINEOPLASTIC AGENTS, pharmacodynamics/ ANTINEOPLASTIC A therapeutic use/ BONE MARROW, ultrastru \*CHORIOCARCINOMA, drug therapy/ \*CHROMOSOME ABERRATIONS/ CHROMOSOMES, drug effects/ FEMALE/ HUMAN/ KARYOTYPING/ LYMPHOCY ultrastructure/ \*METHOTREXATE, pharmacodynamics/ METHOTREXATE, the use/ MONOGRAPH/ TIME FACTORS/ \*U NEOPLASMS, drug therapy
2303. Lawrence TS, Beers WH, Gilula NB: Transmission of stimulation by cell-to-cell communication. *Nature* 272(5653):501-6, 6 Apr 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOS metabolism/ \*CELL COMMUNICATION/ CULTURED/ DOSE-RESPONSE RELATI DRUG/ \*FSH, pharmacodynamics/ GRANU CELLS, metabolism/ \*INTERCELLULAR JUNCTIONS, metabolism/ MEMBRANE POTENTIALS, drug effects/ MYOCARDIA CONTRACTION/ MYOCARDIUM, metabo \*NOREPINEPHRINE, pharmacodynamics/ PLASMINOGEN ACTIVATORS, metabolism UNITED STATES GOV'T SUPPORTED,
2304. Lax ER, Ghraf R, Schriebers H: The hormonal reg hepatic microsomal 11beta-hydroxysteroid dehyd activity in the rat. *Acta Endocrinol (Copenh)* 89 Oct 78  
ANIMAL/ CASTRATION/ ESTRADIOL, pharmacodynamics/ FEMALE/ \*HYDROXYSTEROID DEHYDROGENAS metabolism/ HYPOPHYSECTOMY/ MALE \*MICROSOMES, LIVER, enzymology/ \*PIT GLAND, ANTERIOR, physiology/ \*PITU HORMONES, ANTERIOR, physiology/ RA



## AUTHOR SECTION

FACTORS/ \*SEX HORMONES, physiology/  
TESTOSTERONE, pharmacodynamics

**Lazăr C, Diaconescu R, Chifen M, et al:** The incidence of thyroiditis lesions in nodular goiter. *Endocrinologie* 16(3):231-4, Jul-Sep 78

\*GOITER, NODULAR, complications/ GOITER, NODULAR, pathology/ HUMAN/ THYROID GLAND, pathology/ \*THYROIDITIS, complications/ THYROIDITIS, pathology/ THYROIDITIS, LYMPHOMATOUS, complications/ THYROIDITIS, LYMPHOMATOUS, pathology

**Lazăr C, Chifan M, Strat V, et al:** Considerații asupra asocierii cancerului tiroidian cu hipertiroidia.

*Rev Med Chir Soc Med Nat Iasi* 82(2):241-4, Apr-Jun 78 (Eng. Abstr.) (Rum)

ADULT/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ GOITER, EXOPHTHALMIC, diagnosis/ GOITER, NODULAR, diagnosis/ HUMAN/ \*HYPERTHYROIDISM, etiology/ MALE/ MIDDLE AGE/ \*THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY

**Lazarev AN, Ostashevskaja MI:** O patogenezе i lechenii étioreidnogo uvelicheniia schitovidnoi zhelezy u detei prepurbertalnogo i pubertalnogo vozrasta. *Pediatriia* (9):43-7, Sep 78 (Eng. Abstr.) (Rus)

ADOLESCENCE/ AGE FACTORS/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ PUBERTY/ PYRUVATES, metabolism/ \*THYROID DISEASES, metabolism/ THYROID DISEASES, therapy/ TYROSINE AMINOTRANSFERASE, metabolism/ TYROSINE, metabolism

**Lazarus JH, Muston HL:** The effect of lithium on the iodide concentrating mechanism in mouse salivary gland.

*Acta Pharmacol Toxicol (Copenh)* 43(1):55-8, Jul 78  
ANIMAL/ BODY WEIGHT, drug effects/ \*IODIDES, metabolism/ \*LITHIUM, pharmacodynamics/ MALE/ MICE/ SUBMANDIBULAR GLAND, drug effects/ \*SUBMANDIBULAR GLAND, metabolism/ TIME FACTORS

**Lazier CB:** Ontogeny of the vitellogenic response to oestradiol and of the soluble nuclear oestrogen receptor in embryonic-chick liver. *Biochem J* 174(1):143-52, 15 Jul 78

ANIMAL/ CELL NUCLEUS, metabolism/ CHICK EMBRYO/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ \*ESTRADIOL, pharmacodynamics/ IN VITRO/ LEUCINE, metabolism/ \*LIPOPROTEINS, biosynthesis/ LIVER, drug effects/ LIVER, embryology/ \*LIVER, metabolism/ \*RECEPTORS, ESTROGEN, biosynthesis/ \*VITELLOGENIN, biosynthesis

**Le Gaillard F, Dautrevaux M:** The accessible cysteine residue of human transcortin. Evidence for oxidation of the sulphhydryl group. *FEBS Lett* 94(1):63-7, 1 Oct 78

BINDING SITES/ CYSTEINE/ HUMAN/ OXIDATION-REDUCTION/ SULFHYDRYL COMPOUNDS/ \*TRANSCORTIN

**Le Gal LaSalle G, Paxinos G, Ben-Ari Y:** Neurochemical mapping of GABAergic systems in the amygdaloid complex and bed nucleus of the stria terminalis. *Brain Res* 155(2):397-403, 27 Oct 78

\*AMYGDALOID BODY, enzymology/ ANIMAL/ \*BRAIN MAPPING/ DENERVATION/ GLUTAMATE DECARBOXYLASE, metabolism/ GLUTAMATES, metabolism/ \*GABA, metabolism/ NEURAL PATHWAYS, enzymology/ RATS/ \*THALAMUS, enzymology

**Lea TJ, Ashley CC:** Increase in free Ca<sup>2+</sup> in muscle after exposure to CO<sub>2</sub>. *Nature* 275(5677):236-8, 21 Sep 78

ANIMAL/ BARNACLES/ BIOLOGICAL TRANSPORT, drug effects/ \*CALCIUM, metabolism/ \*CARBON DIOXIDE, pharmacodynamics/ CELL COMPARTMENTATION/ EXTRACELLULAR SPACE, metabolism/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ MEMBRANE POTENTIALS, drug effects/ \*MUSCLES, metabolism

**Leatham J:** Endocrine responses to malnutrition in animals with special reference to metabolic hormones. pp. 313-20.

In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.

ADRENAL CORTEX HORMONES, physiology/  
ADRENAL CORTEX, physiopathology/ ADRENAL GLANDS, physiopathology/ ANIMAL/ CHILD/ \*HORMONES, physiology/ HUMAN/ HYDROCORTISONE, blood/ INFANT/ INSULIN, physiology/ MALE/ MONOGRAPH/ PANCREAS, physiopathology/ PITUITARY GLAND, physiopathology/ \*PROTEIN-CALORIE MALNUTRITION, physiopathology/ RATS/ SOMATOTROPIN, blood/ STARVATION/ THYROID GLAND, physiopathology/ THYROID HORMONES, physiology

2314. **Leatherland JF, Sonstegard RA:** Structure of normal testis and testicular tumors in cyprinids from Lake Ontario. *Cancer Res* 38(10):3164-73, Oct 78

ANIMAL/ CARP/ \*FISH DISEASES, pathology/ GOLDFISH/ LEYDIG CELLS, pathology/ LIPIDS, metabolism/ MALE/ MICROSCOPY, ELECTRON/ ONTARIO/ SERTOLI CELLS, pathology/ SPERMATOGENIA, pathology/ TESTICULAR NEOPLASMS, metabolism/ TESTICULAR NEOPLASMS, pathology/ \*TESTICULAR NEOPLASMS, veterinary/ \*TESTIS, cytology

2315. **Leatherland JF, Ronald K:** Structure of the Adenohypophysis in parturient female and neonate harp seals, *Pagophilus groenlandicus*. *Cell Tissue Res* 192(2):341-57, 5 Sep 78

ANIMAL/ \*ANIMALS, NEWBORN, anatomy & histology/ COMPARATIVE STUDY/ CORTICOTROPIN/ CYTOPLASMIC GRANULES, ultrastructure/ FEMALE/ GONADOTROPINS/ \*LACTATION/ MALE/ \*PINNIPEDIA, anatomy & histology/ \*PITUITARY GLAND, ANTERIOR, cytology/ PREGNANCY/ PROLACTIN/ \*SEALS, anatomy & histology/ SOMATOTROPIN/ THYROTROPIN

2316. **Leav I, Merk FB, Ofner P, et al:** Bipotentiality of response to sex hormones by the prostate of castrated or hypophysectomized dogs. Direct effects of estrogen. *Am J Pathol* 93(1):69-92, Oct 78

ANIMAL/ CASTRATION/ DOGS/ DNA, biosynthesis/ ESTRADIOL DEHYDROGENASES, metabolism/ \*ESTRADIOL, pharmacodynamics/ HYPOPHYSECTOMY/ MALE/ METAPLASIA/ ORGAN CULTURE/ \*PROSTATE, drug effects/ PROSTATE, metabolism/ PROSTATE, ultrastructure/ TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2317. **Lebedeva NA:** Rabotosposobnost' bol'nykh toksicheskim zobom posle lecheniia. *Klin Med (Mosk)* 56(8):58-61, Aug 78 (Eng. Abstr.) (Rus)

ADOLESCENCE/ ADULT/ \*DISABILITY EVALUATION/ ENGLISH ABSTRACT/ FEMALE/ \*GOITER, EXOPHTHALMIC, therapy/ HUMAN/ MALE/ MIDDLE AGE/ \*WORK CAPACITY EVALUATION

2318. **Lechner F, Ascherl R, Oeller G:** Möglichkeiten und Grenzen der elektrodynamischen Therapie bei Pseudarthrosen. *Med Klin* 73(36):1238-45, 8 Sep 78 (25 ref.) (Ger)

ADULT/ BONE AND BONES, physiology/ BONE NAILS/ CASE REPORT/ ELECTRIC CONDUCTIVITY/ ELECTRIC STIMULATION/ ELECTRODES, IMPLANTED/ ELECTROMAGNETIC FIELDS/ FEMALE/ FEMORAL FRACTURES, therapy/ FRACTURE FIXATION, INTERNAL/ HUMAN/ OSTEOMYELITIS, etiology/ \*PSEUDARTHROSIS, therapy/ REVIEW

2319. **Leclercq G, Heuson JC:** Biochemical assays for the selection of cytotoxic-linked estrogens with potential therapeutic activity. *Cancer Treat Rep* 62(8):1255-7, Aug 78

ANIMAL/ \*ANTINEOPLASTIC AGENTS, metabolism/ DRUG STABILITY/ \*ESTROGENS, SYNTHETIC, metabolism/ ESTROGENS, SYNTHETIC, therapeutic use/ FEMALE/ HUMAN/ IN VITRO/ NITROGEN MUSTARD COMPOUNDS, metabolism/ RATS/ \*RECEPTORS, ESTROGEN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.

2320. **Lederhale Pedersen O, Mikkelsen E, Andersson KE:** Effects of extracellular calcium on potassium and noradrenaline induced contractions in the aorta of spontaneously hypertensive rats—increased sensitivity to nifedipine.

*Acta Pharmacol Toxicol (Copenh)* 43(2):137-44, Aug 78  
ANIMAL/ AORTA, drug effects/ \*ARTERIES, drug



# AUTHOR SECTION

- effects/ \*CALCIUM, metabolism/  
EXTRACELLULAR SPACE, metabolism/  
\*HYPERTENSION, physiopathology/ MALE/  
\*MUSCLE CONTRACTION, drug effects/ MUSCLE  
TONUS, drug effects/ MUSCLE, SMOOTH, drug  
effects/ \*NIFEDIPINE, pharmacodynamics/  
\*NOREPINEPHRINE, pharmacodynamics/  
\*POTASSIUM, pharmacodynamics/ \*PYRIDINES,  
pharmacodynamics/ RATS/ TIME FACTORS
2321. Ledger PW, Franc S: Calcification of the collagenous axial  
skeleton of *Veretillum cynomorium* pall. (Cnidaria:  
Pennatulacea). *Cell Tissue Res* 192(2):249-66, 5 Sep 78  
ANIMAL/ \*CALCIFICATION, PHYSIOLOGIC/  
CALCIUM, analysis/ \*COELENTERATA, anatomy &  
histology/ COELENTERATA, analysis/ COLLAGEN,  
analysis/ CRYSTALLIZATION
2322. Lee G, Consiglio E, Habig W, et al: Structure: function studies  
of receptors for thyrotropin and tetanus toxin: lipid  
modulation of effector binding to the glycoprotein receptor  
component. *Biochem Biophys Res Commun* 83(1):313-20,  
14 Jul 78  
ANIMAL/ CATTLE/ CELL MEMBRANE,  
metabolism/ GLYCOPROTEINS, metabolism/  
KINETICS/ \*LIPOSOMES/ \*RECEPTORS, DRUG/  
RECEPTORS, DRUG, metabolism/ \*RECEPTORS,  
HORMONE/ RECEPTORS, HORMONE,  
metabolism/ STRUCTURE-ACTIVITY  
RELATIONSHIP/ \*TETANUS TOXIN, metabolism/  
THYROID GLAND, metabolism/ \*THYROTROPIN,  
metabolism
2323. Lee IP, Sherins RJ, Dixon RL: Evidence for induction of  
germinal aplasia in male rats by environmental exposure to  
boron. *Toxicol Appl Pharmacol* 45(2):577-90, Aug 78  
ANIMAL/ \*BORON, pharmacodynamics/ DIET/  
EPIDIDYMIS, drug effects/ FERTILITY, drug effects/  
FSH, blood/ LH, blood/ MALE/ PROSTATE,  
enzymology/ PROTEINS, metabolism/ RATS/  
\*TESTIS, drug effects/ TESTIS, growth &  
development/ TESTIS, physiology/  
TESTOSTERONE, blood
2324. Lee JY: A steroid regimen for idiopathic nephrotic syndrome.  
*Mod Med Asia* 14(9):21-2, 27, Sep 78  
AGE FACTORS/ CHILD/ CHILD, PRESCHOOL/  
FEMALE/ HUMAN/ INFANT/ MALE/  
\*NEPHROTIC SYNDROME, drug therapy/  
PREDNISOLONE, administration & dosage/  
\*PREDNISOLONE, therapeutic use/ PREDNISONE,  
administration & dosage/ \*PREDNISONE, therapeutic  
use
2325. Lee NH, Shapiro IM: Ca<sup>2+</sup> transport by chondrocyte  
mitochondria of the epiphyseal growth plate.  
*J Membr Biol* 41(4):349-60, 18 Jul 78 (43 ref.)  
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE,  
drug effects/ \*CALCIFICATION, PHYSIOLOGIC/  
\*CALCIUM, metabolism/ \*CARTILAGE, metabolism/  
CHICKENS/ KINETICS/ MAGNESIUM,  
pharmacodynamics/ \*MITOCHONDRIA, metabolism/  
ORGAN SPECIFICITY/ OXYGEN  
CONSUMPTION, drug effects/ REVIEW/  
SUCCINATES, pharmacodynamics/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
2326. Lee SH: Cytochemical study of estrogen receptor in human  
mammary cancer. *Am J Clin Pathol* 70(2):197-203, Aug 78  
\*BREAST NEOPLASMS, ultrastructure/  
CHEMISTRY/ CHROMATOGRAPHY, THIN  
LAYER/ ESTRADIOL/ ESTROGENS, metabolism/  
FLUORESCENCE/ FROZEN SECTIONS/  
HISTOCYTOCHEMISTRY/ HUMAN/ OXIMES/  
\*RECEPTORS, ESTROGEN/ SERUM ALBUMIN,  
BOVINE/ STAINS AND STAINING/  
THIOCYANATES
2327. Lee WN, Mpanias PD, Wimmer RJ, et al: Use of I-123 in early  
radioiodide uptake and its suppression in children and  
adolescents with hyperthyroidism. *J Nucl Med* 19(9):985-93,  
Sep 78  
ADOLESCENCE/ CHILD/ FEMALE/ HUMAN/  
HYPERTHYROIDISM, drug therapy/  
\*HYPERTHYROIDISM, metabolism/ IODINE  
RADIOISOTOPES, administration & dosage/ IODINE  
RADIOISOTOPES, diagnostic use/ \*IODINE  
RADIOISOTOPES, metabolism/ MALE/  
METHIMAZOLE, administration & dosage/  
PROPYLTHIOURACIL, administration & dosage/  
TRIIODOTHYRONINE, metabolism/ UNITED
- STATES GOV'T SUPPORTED, P.H.S.
2328. Leeuwijn RS, Veldsema-Currie RD, Wolters EC: The  
cholinesterase inhibitors and corticosteroids on r  
nerve-muscle preparations treated with hemicholinium  
*Eur J Pharmacol* 50(4):393-401, 15 Aug 78  
ACETYLCHOLINE, biosynthesis/ ANIMAL/  
CHOLINE, metabolism/ \*CHOLINESTERASE  
INHIBITORS, pharmacodynamics/ FEMALE/  
\*GLUCOCORTICOIDS, pharmacodynamics/  
\*HEMICHOLINIUM 3, pharmacodynamics/  
HEMICHOLINIUM 3, toxicity/ IN VITRO  
KINETICS/ LETHAL DOSE 50/ MUSCLE  
CONTRACTION, drug effects/  
\*NEUROMUSCULAR JUNCTION, drug effects/  
RATS/ RATS, INBRED STRAINS
2329. Lefebvre G, Martin N, Gay R: Periodic cyclic AM  
by synchronously grown cells of *Nocardia restrictans*  
*Arthrobacter globiformis*. *FEBS Lett* 93(1):55-7,  
1978  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ARTHROBACTER, cytology/  
\*ARTHROBACTER, metabolism/ BIOLOGICAL  
TRANSPORT/ \*CELL CYCLE/ DNA  
REPLICATION/ NOCARDIA, cytology/  
\*NOCARDIA, metabolism/ PERIODICITY
2330. Legait H, Hartemann P, Cunin B: Mise en évidence  
d'une involution de la glande pinéale et de l'hypophyse  
soutenues par le tétrachlorure de carbone.  
*C R Soc Biol (Paris)* 172(2):289-92, 1978 (Eng.)  
ADRENAL CORTEX HORMONES, blood/  
ANIMAL/ \*CARBON TETRACHLORIDE  
POISONING/ CELL NUCLEUS, drug effects/  
ENGLISH ABSTRACT/ MALE/ MICE/ OVARIES/  
WEIGHT, drug effects/ \*PINEAL BODY,  
effects/ PINEAL BODY, pathology/ \*PITUITARY  
GLAND, drug effects/ PITUITARY GLAND,  
pathology/ SUPRAOPTIC NUCLEUS, drug effects
2331. Léger L, Mouren-Mathieu AM, Descarries L: Identifi-  
cation par radioautographie de neurones monoaminergiques  
par micro-instillation locale de sérotonine ou de  
noradrénaline tritiée chez le Chat.  
*C R Acad Sci [D] (Paris)* 286(21):1523-6, 29 May 78  
Abstr.)  
ANIMAL/ \*BRAIN STEM, physiology/ CA  
ENGLISH ABSTRACT/  
HISTOCYTOCHEMISTRY/ \*NEURONS,  
physiology/ \*NOREPINEPHRINE, metabolism/  
\*RAPHE NUCLEI, physiology/ \*SEROTONIN,  
metabolism
2332. Legros JJ, Remacle B, Franchimont P, et al: Efficacité  
faible de dexaméthasone pour le traitement des  
hyperandrogénies d'origine surrénalienne. *Rev M  
33(19):665-71, 1 Oct 78*  
\*ADRENAL GLAND HYPERFUNCTION/  
therapy/ ADULT/ \*DEXAMETHASONE,  
administration & dosage/ FEMALE/ FOLLICULAR  
STUDIES/ HIRSUTISM, drug therapy/ HUMAN
2333. Lehman JR, McArthur DA, Hendricks SE: Pharma-  
cological induction of ovulation in old and neonatally and  
rats. *Exp Gerontol* 13(3-4):107-14, 1978  
\*AGING/ ANIMAL/ ANIMALS, NEWBORN/  
BRAIN, drug effects/ FEMALE/ \*IPRONIZIDE,  
pharmacodynamics/ \*LEVODOPA,  
pharmacodynamics/ \*OVULATION INDUCING  
METHODS/ OVULATION, drug effects/  
PROGESTERONE, pharmacodynamics/ RA  
RECEPTORS, STEROID, drug effects/  
\*TESTOSTERONE, pharmacodynamics/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
2334. Lehmann PF, White LO: Rapid germination of *Aspergillus*  
*fumigatus* conidia in mouse kidneys and a kidney  
suspension. *Sabouraudia* 16(3):203-9, Sep 78  
ANIMAL/ ASPERGILLOSIS, immunology/  
ASPERGILLOSIS, microbiology/ \*ASPERGILLUS  
FUMIGATUS, growth & development/ COR  
pharmacodynamics/ KIDNEY DISEASES,  
immunology/ KIDNEY DISEASES, microbiology/  
KIDNEY, immunology/ KIDNEY, microbiology/  
LIVER, microbiology/ MICE/ TISSUE EXPLANTS
2335. Lehninger AL, Reynafarje B, Vercesi A, et al: Trans-  
membrane accumulation of calcium in mitochondria.  
*Ann NY Acad Sci* 307:160-76, 28 Apr 78 (59 refs.)  
ANIMAL/ BINDING SITES/ BIOLOGICAL



## AUTHOR SECTION

- TRANSPORT, ACTIVE/ CALCIUM PHOSPHATES, metabolism/ \*CALCIUM, metabolism/ CARRIER PROTEINS, metabolism/ CITRATES, metabolism/ ELECTRON TRANSPORT/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ MEMBRANES, metabolism/ METALS, RARE EARTH, metabolism/ \*MITOCHONDRIA, metabolism/ NAD, metabolism/ ORGANOPHOSPHORUS COMPOUNDS, metabolism/ OXIDATION-REDUCTION/ OXYGEN CONSUMPTION/ REVIEW/ THERMODYNAMICS
- Leiba S, Kaufman H, Winkelsberg G, et al: Pregnancy in a case of Nelson's syndrome. *Acta Obstet Gynecol Scand* 57(4):373-5, 1978  
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ CASE REPORT/ FEMALE/ HUMAN/ \*NELSON SYNDROME/ NELSON SYNDROME, drug therapy/ NELSON SYNDROME, metabolism/ \*PITUITARY NEOPLASMS/ PITUITARY NEOPLASMS, drug therapy/ \*PREGNANCY COMPLICATIONS/ PREGNANCY COMPLICATIONS, drug therapy/ PREGNANCY COMPLICATIONS, metabolism/ PREGNANCY
- Leibman KC, Ortiz E: Microsomal metabolism of cyclohexene. Hydroxylation in the allylic position. *Drug Metab Dispos* 6(4):375-8, Jul-Aug 78  
ANIMAL/ CHROMATOGRAPHY, GAS/ \*CYCLOHEXANES, metabolism/ HYDROXYLATION/ IN VITRO/ MALE/ METYRAPONE, pharmacodynamics/ MICROSOMES, LIVER, enzymology/ \*MICROSOMES, LIVER, metabolism/ PHENOBARBITAL, pharmacodynamics/ RABBITS/ RATS/ SPECTRUM ANALYSIS, MASS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Leibowitz SF, Rossakis C: Pharmacological characterization of perifornical hypothalamic beta-adrenergic receptors mediating feeding inhibition in the rat. *Neuropharmacology* 17(9):691-702, Sep 78  
ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ DRINKING BEHAVIOR, drug effects/ DRUG INTERACTIONS/ EPINEPHRINE, pharmacodynamics/ \*FEEDING BEHAVIOR, drug effects/ FEEDING BEHAVIOR, physiology/ \*HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, physiology/ MALE/ RATS/ \*RECEPTORS, ADRENERGIC, drug effects/ \*RECEPTORS, ADRENERGIC, BETA, drug effects/ RECEPTORS, ADRENERGIC, BETA, physiology/ SYMPATHOMIMETICS, pharmacodynamics/ TRANQUILIZING AGENTS, MAJOR, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Leibowitz SF, Arcomano A, Hammer NJ: Tranylcypromine: stimulation of eating through alpha-adrenergic neuronal system in the paraventricular nucleus. *Life Sci* 23(7):749-58, 21 Aug 78  
ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG INTERACTIONS/ \*FEEDING BEHAVIOR, drug effects/ \*HYPOTHALAMUS, drug effects/ INJECTIONS/ MALE/ NOREPINEPHRINE, biosynthesis/ NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, pharmacodynamics/ \*PARAVENTRICULAR NUCLEUS, drug effects/ PARAVENTRICULAR NUCLEUS, metabolism/ RATS/ \*RECEPTORS, ADRENERGIC, drug effects/ \*RECEPTORS, ADRENERGIC, ALPHA, drug effects/ TRANYLCYPROMINE, administration & dosage/ \*TRANYLCYPROMINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Leichtman DA, Schmickel RD, Gelehrter TD, et al: Familial Turner syndrome. *Ann Intern Med* 89(4):473-6, Oct 78  
ADOLESCENCE/ ADULT/ BLOOD GROUPS/ CASE REPORT/ CHILD/ ERYTHROCYTES, immunology/ FEMALE/ HUMAN/ TRANSLOCATION (GENETICS)/ \*TURNER'S SYNDROME, familial & genetic/ UNITED STATES GOV'T SUPPORTED, P.H.S./ X CHROMOSOME
- Leite AC, dos Santos RR, Paiva HJ, et al: Baixa reserva tireoideana. Conceituação atual e análise de 19 casos. *AMB* 24(6):215-8, Jun 78 (Eng. Abstr.) (Por)  
ADOLESCENCE/ ADULT/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYPOTHYROIDISM, diagnosis/ IODINE RADIOISOTOPES, diagnostic use/ MALE/ MIDDLE AGE/ \*THYROID FUNCTION TESTS/ THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood
2342. Lekhtman MN: K voprosu o disgormonal'nykh opukholiakh (obzor literatury). *Zdravookhr Kirg* (5):51-8, Sep-Oct 78 (Rus)  
ANIMAL/ BREAST NEOPLASMS, etiology/ CARCINOGENS/ CERVIX HYPERTROPHY, complications/ ENDOCRINE GLANDS, drug effects/ ESTROGENS, blood/ ESTROGENS, secretion/ FEMALE/ HORMONES, ECTOPIC, secretion/ HUMAN/ HYPOTHALAMUS, secretion/ \*NEOPLASMS, HORMONE-DEPENDENT, etiology/ NEOPLASMS, HORMONE-DEPENDENT, secretion/ \*NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, etiology/ NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, secretion/ NEUROSECRETION/ OVARIAN CYSTS, complications/ OVARIAN CYSTS, secretion/ OVARIAN NEOPLASMS, etiology/ PRECANCEROUS CONDITIONS, secretion/ PREGNANCY/ UTERINE NEOPLASMS, etiology
2343. Lemonnier M, Derappe C, Bourrillon R: Sialic acid-containing glycoconjugates in human lactation urine. *Biomedicine [Express]* 29(4):146-50, Jun 78  
FEMALE/ FUCOSE, urine/ \*GLYCOPEPTIDES, urine/ HEXOSES, urine/ HUMAN/ \*LACTATION/ \*OLIGOSACCHARIDES, urine/ PREGNANCY/ \*SIALIC ACIDS, urine
2344. Lentz FE Jr, Pool GL, Milner JS: Effects of ovariectomy and hormone replacement on DRL behavior in the rat. *Physiol Behav* 20(4):477-80, Apr 78  
ANIMAL/ CASTRATION/ CONDITIONING, OPERANT, drug effects/ \*CONDITIONING, OPERANT, physiology/ ESTRADIOL, pharmacodynamics/ \*ESTROGENS, physiology/ FEEDING BEHAVIOR, drug effects/ \*FEEDING BEHAVIOR, physiology/ FEMALE/ PROGESTERONE, pharmacodynamics/ \*PROGESTERONE, physiology/ RATS/ SEX FACTORS
2345. Lenz W: Genetische Beratung bei Defektmissbildungen der Gliedmassen. *Z Orthop* 116(4):558-60, Aug 78 (Ger)  
AUTOSOME ABNORMALITIES/ \*BONE AND BONES, abnormalities/ FOOT, abnormalities/ GENETIC COUNSELING/ HAND, abnormalities/ HUMAN/ HUMERUS, abnormalities/ RADIUS, abnormalities/ SYNDACTYLIA, familial & genetic/ SYNOSTOSIS, familial & genetic/ ULNA, abnormalities
2346. Leonetti G, Mayer G, Morganti A, et al: Blood pressure decrease and responsiveness to renin-releasing stimuli under increasing doses of propranolol in patients with essential hypertension. *Clin Sci Mol Med* 48 Suppl 2:77s-79s, Jun 75  
\*BLOOD PRESSURE, drug effects/ CLINICAL RESEARCH/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ HYPERTENSION, blood/ \*HYPERTENSION, physiopathology/ POSTURE/ \*PROPRANOLOL, pharmacodynamics/ RENIN, blood
2347. Leonhardt H, Grigoleit HG, Reinhardt I: Erythrocyte deformability in a red cell ageing model. *Ric Clin Lab* 8(1-2):65-71, Jan-Jun 78  
COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ \*ERYTHROCYTE AGING/ \*ERYTHROCYTES, drug effects/ HUMAN/ \*PENTOXIFYLLINE, pharmacodynamics/ PREDNISOLONE, pharmacodynamics/ \*THEOBROMINE, analogs & derivatives/ \*THEOPHYLLINE, pharmacodynamics
2348. Lerat MF: Déclenchement de l'accouchement. Rappels physiologiques. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):702-11, Apr 78 (Eng. Abstr.) (Fre)  
ADRENAL CORTEX HORMONES, physiology/ ENGLISH ABSTRACT/ FEMALE/ FETUS, physiology/ HEMODYNAMICS/ HUMAN/ INFANT, NEWBORN/ \*LABOR ONSET/ \*LABOR/ LABOR, INDUCED/ OXYTOCIN, physiology/ PITUITARY HORMONES, POSTERIOR, physiology/ PREGNANCY/ PROSTAGLANDINS, physiology/ SET (PSYCHOLOGY)/ UTERUS, physiology
2349. Lescure H, Dufy B, Leonardelli J, et al: Organum vasculosum



# AUTHOR SECTION

- laminae terminalis and reflex ovulation in the rabbit.  
Brain Res 154(1):209-13, 6 Oct 78  
ANIMAL/ FEMALE/ \*HYPOTHALAMUS,  
physiology/ LH-FSH RELEASING HORMONE,  
metabolism/ NERVE FIBERS, physiology/  
\*OVULATION/ RABBITS/ \*REFLEX, physiology
2350. Leshin M, Griffin JE, Wilson JD: Hereditary male  
pseudohermaphroditism associated with an unstable form of  
5 alpha-reductase. J Clin Invest 62(3):685-91, Sep 78  
CELLS, CULTURED/ CYCLOHEXIMIDE,  
pharmacodynamics/ FIBROBLASTS, enzymology/  
HUMAN/ HYDROGEN-ION CONCENTRATION/  
KINETICS/ MALE/ MUTATION/ NADP,  
pharmacodynamics/ \*OXIDOREDUCTASES,  
metabolism/ PENIS, enzymology/  
\*PSEUDOHERMAPHRODITISM, enzymology/  
PSEUDOHERMAPHRODITISM, familial & genetic/  
TESTOSTERONE 5-ALPHA-REDUCTASE,  
antagonists & inhibitors/ TESTOSTERONE  
5-ALPHA-REDUCTASE, genetics/  
\*TESTOSTERONE 5-ALPHA-REDUCTASE,  
metabolism/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
2351. Leslie RD, Isaacs AJ, Gomez J, et al:  
Hypothalamo-pituitary-thyroid function in anorexia nervosa:  
influence of weight gain. Br Med J 2(6136):526-8, 19 Aug  
78  
ADOLESCENCE/ ADULT/ ANOREXIA  
NERVOSA, blood/ \*ANOREXIA NERVOSA,  
physiopathology/ BODY WEIGHT/ FEMALE/  
HUMAN/ HYPOTHALAMO-HYPOPHYSEAL  
SYSTEM, physiopathology/ \*THYROID GLAND,  
physiopathology/ THYROTROPIN, blood/  
THYROXINE, blood/ TRIIODOTHYRONINE,  
blood/ TRIIODOTHYRONINE, REVERSE, blood
2352. Lestrovaja NN, Dänhardt S, Hörhold C: Steroidumwandelnde  
Enzyme aus Mikroorganismen. V. Reinigung einer  
4-En-3-oxosteroid: (Akzeptor)-1-en-oxidoreductase aus  
Nocardia opaca und Charakterisierung der prosthetischen  
Gruppe. Z Allg Mikrobiol 18(3):189-96, 1978 (Ger)  
APOENZYMES, metabolism/  
CHROMATOGRAPHY, DEAE-CELLULOSE/  
CHROMATOGRAPHY, GEL/ ENZYME  
ACTIVATION/ FAD, metabolism/  
KETOSTEROIDS/ \*NOCARDIA, enzymology/  
\*OXIDOREDUCTASES, isolation & purification/  
OXIDOREDUCTASES, metabolism
2353. Levilliers J, Pairault J, Lecot F, et al: Adenosine  
3':5'-monophosphate and guanosine 3':5'-monophosphate:  
levels and cyclase activities in liver and adipose tissue from  
diabetic mice (db/db). Eur J Biochem 88(2):323-30, 1 Aug  
78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ \*ADENYL CYCLASE, metabolism/  
ADIPOSE TISSUE, drug effects/ \*ADIPOSE TISSUE,  
metabolism/ ANIMAL/ CELL MEMBRANE,  
enzymology/ \*DIABETES MELLITUS, metabolism/  
DISEASE MODELS, ANIMAL/ \*GUANOSINE  
CYCLIC-3',5'-MONOPHOSPHATE, metabolism/  
\*GUANYL CYCLASE, metabolism/  
HETEROZYGOTE/ HOMOZYGOTE/  
ISOPROTERENOL, pharmacodynamics/ \*LIVER,  
metabolism/ MALE/ MICE
2354. Levine GA, Hershman JM, Van Herle AJ, et al: Thyroglobulin  
and calcitonin in patients with nontoxic goiter. JAMA  
240(21):2282-3, 17 Nov 78  
\*CALCITONIN, blood/ \*CARCINOMA, diagnosis/  
DIAGNOSIS, DIFFERENTIAL/ GOITER, blood/  
\*GOITER, diagnosis/ GOITER, NODULAR, blood/  
GOITER, NODULAR, diagnosis/ HUMAN/  
\*THYROGLOBULIN, blood/ \*THYROID  
NEOPLASMS, diagnosis/ UNITED STATES GOV'T  
SUPPORTED
2355. Levine JD, Gordon NC, Fields HL: The mechanism of placebo  
analgesia. Lancet 2(8091):654-7, 23 Sep 78  
ADOLESCENCE/ ADULT/ \*ANALGESIA/  
\*ANESTHESIA, DENTAL/ CLINICAL  
RESEARCH/ COMPARATIVE STUDY/ DRUG  
EVALUATION/ DRUG THERAPY,  
COMBINATION/ ENDORPHINS, physiology/  
FEMALE/ HUMAN/ MALE/ MOLAR, surgery/  
MORPHINE, therapeutic use/ NALOXONE,  
therapeutic use/ \*PAIN, POSTOPERATIVE,  
prevention & control/ \*PLACEBOS, therapeutic use/  
RESEARCH DESIGN/ TIME FACTORS/ \*T  
EXTRACTION/ TOOTH, IMPACTED, surge  
UNITED STATES GOV'T SUPPORTED, P.H.S.
2356. Levine LS, Zachmann M, New MI, et al: Genetic map  
the 21-hydroxylase-deficiency gene within the HLA  
group. N Engl J Med 299(17):911-5, 26 Oct 78  
\*ADRENAL GLAND HYPERFUNCTION,  
& genetic/ \*CHROMOSOME MAPPING/ FEM  
HUMAN/ \*HYDROXYLASES, deficiency/ \*  
ANTIGENS/ LACTOYL GLUTATHIONE L  
\*LINKAGE (GENETICS)/ MALE/ PEDIGR  
RECOMBINATION, GENETIC/ UNITED S  
GOV'T SUPPORTED, P.H.S.
2357. Levitan IB: Adenylate cyclase in isolated Helix and  
neuronal cell bodies: stimulation by serotonin and  
peptide-containing extract. Brain Res 154(2):404-8,  
78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPH  
metabolism/ \*ADENYL CYCLASE, metaboli  
ANIMAL/ APLYSIA/ CELL MEMBRANE,  
enzymology/ \*GANGLIA, enzymology/ HEL  
(SNAILS)/ \*NERVE TISSUE PROTEINS,  
pharmacodynamics/ \*NEURONS, enzymology/  
\*SEROTONIN, pharmacodynamics
2358. Levitt P, Moore RY: Developmental organization of  
serotonin neuron groups in the rat. Anat Embryol  
154(3):241-51, 27 Sep 78  
ANIMAL/ AXONS/ \*BRAIN STEM, embry  
CELL MOVEMENT/ DENDRITES/ RAPHE  
NUCLEI, analysis/ \*RAPHE NUCLEI, embry  
RAPHE NUCLEI, growth & development/ R  
\*SEROTONIN, analysis/ TIME FACTORS/ U  
STATES GOV'T SUPPORTED, P.H.S.
2359. Levitz M, Jansen V, Dancis J: The transfer and met  
of corticosteroids in the perfused human placenta.  
Am J Obstet Gynecol 132(4):363-6, 15 Oct 78  
ANTIPYRINE, metabolism/ \*BETAMETHAS  
metabolism/ \*DEXAMETHASONE, metaboli  
FEMALE/ HUMAN/ \*HYDROCORTISONE,  
metabolism/ IN VITRO/ \*PLACENTA, met  
\*PREDNISOLONE, metabolism/ PREGNAN  
UNITED STATES GOV'T SUPPORTED, P.
2360. Levkovskii NM: Terapija khronicheskoi krasnoi volchi  
(otdalennye rezul'taty). Vestn Dermatol Venerol (10  
Oct 78  
ADRENAL CORTEX HORMONES, therapeu  
CHRONIC DISEASE/ CLINICAL RESEAR  
COMPARATIVE STUDY/ DRUG EVALUA  
DRUG THERAPY, COMBINATION/ HUMA  
\*LUPUS ERYTHEMATOSUS, DISCOID, dr  
therapy/ \*LUPUS ERYTHEMATOSUS, SYST  
drug therapy/ QUINOLINES, therapeutic use/  
RECURRENCE/ REMISSION
2361. Levy JV: Contractile responses to prostacyclin (PGI<sub>2</sub>)  
isolated human saphenous and rat venous tissue.  
Prostaglandins 16(1):93-7, Jul 78  
ANIMAL/ HUMAN/ IN VITRO/ \*MUSCLE  
CONTRACTION, drug effects/ MUSCLE, SM  
drug effects/ ORGAN SPECIFICITY/ PORT  
VEIN, drug effects/ \*PROSTAGLANDINS X  
pharmacodynamics/ \*PROSTAGLANDINS,  
pharmacodynamics/ RATS/ SAPHENOUS VEI  
effects/ SPECIES SPECIFICITY/ UNITED S  
GOV'T SUPPORTED, P.H.S./ \*VEINS, drug  
VENAE CAVAE, drug effects
2362. Levy L, Anandan JA: Further studies of the action o  
antithyroid drugs on Mycobacterium leprae.  
Proc Soc Exp Biol Med 158(4):582-5, Sep 78  
ANIMAL/ ANTIBIOTICS/ CELL DIVISION  
effects/ FEMALE/ \*LEPROSTATIC AGENT  
\*LEPROSY, drug therapy/ LEPROSY, microb  
METHIMAZOLE, administration & dosage/  
METHIMAZOLE, pharmacodynamics/ MICE/  
INBRED BALB C/ MYCOBACTERIUM LE  
drug effects/ MYCOBACTERIUM, drug effec  
PROPYLTHIOURACIL, pharmacodynamics/  
SPECIES SPECIFICITY/ THIAMBUTOSINE  
pharmacodynamics/ THIAZOLES, pharmacody  
THIONES, pharmacodynamics/ \*THYROID  
ANTAGONISTS, pharmacodynamics/ UNITE  
STATES GOV'T SUPPORTED, P.H.S.
2363. Lewandowski A: Układ współczulno-nadnerczowy w c  
oparzeniowej. Wiad Lek 31(12):841-4, 15 Jun 78 (1



## AUTHOR SECTION

- Abstr.) (Pol)  
 \*ADRENAL MEDULLA, innervation/ BURNS, metabolism/ \*BURNS, physiopathology/ CATECHOLAMINES, secretion/ ENGLISH ABSTRACT/ HUMAN/ \*SYMPATHETIC NERVOUS SYSTEM, physiopathology
- Lewis GP, Piper PJ: Interactions of anti-inflammatory steroids with PG system in adipose tissue. *Biochem Pharmacol* 27(10):1409-12, 15 May 78 (24 ref.)  
 ADIPOSE TISSUE, drug effects/ \*ADIPOSE TISSUE, metabolism/ ANIMAL/ \*ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ ARACHIDONIC ACIDS, metabolism/ \*GLUCOCORTICOIDS, pharmacodynamics/ GLUCOCORTICOIDS, SYNTHETIC, pharmacodynamics/ HUMAN/ IN VITRO/ \*PROSTAGLANDINS, metabolism/ RABBITS/ REVIEW
- Lewis GP, Mangham BA: Changes in blood flow and mediator content of rabbit skin grafts. *Br J Pharmacol* 64(1):123-8, Sep 78  
 ANIMAL/ HISTAMINE, metabolism/ INDOMETHACIN, pharmacodynamics/ PROSTAGLANDINS, pharmacodynamics/ PYRILAMINE, pharmacodynamics/ RABBITS/ REGIONAL BLOOD FLOW/ SKIN, blood supply/ \*SKIN, transplantation/ TIME FACTORS/ TRANSPLANTATION, AUTOLOGOUS
- Lewis JC, Moertel CG: Platelet 5-hydroxytryptamine storage in the carcinoid syndrome. *Am J Clin Pathol* 70(4):628-31, Oct 78  
 AUTORADIOGRAPHY/ BLOOD PLATELETS, analysis/ \*BLOOD PLATELETS, metabolism/ \*CARCINOID HEART DISEASE, metabolism/ CELL MEMBRANE, metabolism/ CYTOPLASM, metabolism/ HUMAN/ \*MALIGNANT CARCINOID SYNDROME, metabolism/ MICROSCOPY, ELECTRON/ SEROTONIN, analysis/ \*SEROTONIN, metabolism
- Lewis RV, Stein S, Gerber LD, et al: High molecular weight opioid-containing proteins in striatum. *Proc Natl Acad Sci USA* 75(8):4021-3, Aug 78  
 ANIMAL/ CATTLE/ \*CORPUS STRIATUM, metabolism/ \*ENDORPHINS, metabolism/ GUINEA PIGS/ MOLECULAR WEIGHT/ RATS/ TRYPSIN
- Lewis SE, Turchin HA, Wojtowicz TE: Fertility studies of complementing genotypes at the albino locus of the mouse. *J Reprod Fertil* 53(2):197-202, Jul 78  
 \*ALBINISM, familial & genetic/ ALBINISM, pathology/ ALBINISM, physiopathology/ ALLELES/ ANIMAL/ CELL SURVIVAL/ FEMALE/ FERTILITY/ GENOTYPE/ MALE/ MICE/ \*REPRODUCTION/ SPERMATOGENESIS/ SPERMATOZOA, pathology/ TESTIS, pathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Lewison EF: Prophylactic versus therapeutic castration in the total treatment of breast cancer. *Int J Radiat Oncol Biol Phys* 4(5-6):477-80, May-Jun 78  
 ADULT/ BREAST NEOPLASMS, metabolism/ \*BREAST NEOPLASMS, therapy/ \*CASTRATION/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ ESTROGEN ANTAGONISTS, therapeutic use/ FEMALE/ HUMAN/ MENOPAUSE/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEOPLASMS, HORMONE-DEPENDENT, metabolism/ \*NEOPLASMS, HORMONE-DEPENDENT, therapy/ OVARY, radiation effects/ RECEPTORS, ESTROGEN/ TIME FACTORS
- Leydhecker W, Krieglstein GK, Uhlich E: Experimentelle Untersuchungen zur Wirkungsweise alkoholischer Getränke auf den Augeninnendruck. *Klin Monatsbl Augenheilkd* 173(1):75-9, Jul 78 (Eng. Abstr.) (Ger)  
 ALCOHOL DRINKING/ \*ALCOHOL, ETHYL, pharmacodynamics/ AQUEOUS HUMOR, secretion/ BODY WEIGHT/ ENGLISH ABSTRACT/ HUMAN/ \*INTRAOCULAR PRESSURE, drug effects/ TONOMETRY/ VASOPRESSINS, pharmacodynamics
- L'Hermite M, MacLeod RM, Robyn C: Effects of two substituted benzamides, tiapride and sultopride, on gonadotrophins and prolactin. *Acta Endocrinol (Copenh)* 89(1):29-37, Sep 78  
 ADOLESCENCE/ ADULT/ ANIMAL/ BENZAMIDES, administration & dosage/
- \*BENZAMIDES, pharmacodynamics/ FEMALE/ \*FSH, secretion/ HUMAN/ \*LH, secretion/ MALE/ MENSTRUATION/ NEOPLASMS, EXPERIMENTAL, secretion/ PITUITARY GLAND, ANTERIOR, drug effects/ \*PITUITARY GLAND, ANTERIOR, secretion/ PITUITARY NEOPLASMS, secretion/ \*PROLACTIN, secretion/ RATS/ SEX FACTORS/ \*SULPIRIDE, analogs & derivatives/ SULPIRIDE, administration & dosage/ SULPIRIDE, pharmacodynamics
2372. Li CH, Yamashiro D, Chung D, et al: Isolation, structure, synthesis and morphine-like activity of beta-endorphin from human pituitary glands. *Ann NY Acad Sci* 297:158-66, 28 Oct 77  
 AMINO ACID SEQUENCE/ ANALGESICS/ ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENDORPHINS, isolation & purification/ \*ENDORPHINS, pharmacodynamics/ HUMAN/ MICE/ NALOXONE, pharmacodynamics/ PITUITARY GLAND, analysis/ PITUITARY GLAND, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2373. Li CH, Chung D, Yamashiro D, et al: Isolation, characterization, and synthesis of a corticotropin-inhibiting peptide from human pituitary glands. *Proc Natl Acad Sci USA* 75(9):4306-9, Sep 78  
 AMINO ACIDS, analysis/ BIOLOGICAL ASSAY/ CORTICOSTERONE, biosynthesis/ \*CORTICOTROPIN, antagonists & inhibitors/ HUMAN/ MELANOCYTES, drug effects/ PEPTIDE FRAGMENTS, isolation & purification/ PEPTIDES, chemical synthesis/ \*PEPTIDES, isolation & purification/ PEPTIDES, pharmacodynamics/ \*PITUITARY GLAND, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2374. Lian JB, Friedman PA: The vitamin K-dependent synthesis of gamma-carboxyglutamic acid by bone microsomes. *J Biol Chem* 253(19):6623-6, 10 Oct 78  
 \*BONE AND BONES, metabolism/ CHICK EMBRYO/ \*GLUTAMATES, biosynthesis/ MICROSOMES, drug effects/ \*MICROSOMES, metabolism/ MICROSOMES, ultrastructure/ OLIGOPEPTIDES, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*VITAMIN K, pharmacodynamics/ WARFARIN, pharmacodynamics/ \*1-CARBOXYGLUTAMIC ACID, biosynthesis
2375. Lian JB, Hauschka PV, Gallop PM: Properties and biosynthesis of a vitamin K-dependent calcium binding protein in bone. *Fed Proc* 37(12):2615-20, Oct 78  
 ANIMAL/ \*BONE AND BONES, metabolism/ BONE DEVELOPMENT/ CALCIFICATION, PHYSIOLOGIC/ CALCINOSIS, metabolism/ \*CALCIUM, metabolism/ CARBOXY-LYASES, metabolism/ \*CARRIER PROTEINS, metabolism/ CHICKENS/ MICROSOMES, enzymology/ TISSUE CULTURE/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*VITAMIN K, metabolism/ 1-CARBOXYGLUTAMIC ACID, metabolism
2376. Liang T, Mezzetti G, Chen C, et al: Selective polyamine-binding proteins. Spermine binding by an androgen-sensitive phosphoprotein. *Biochim Biophys Acta* 542(3):430-41, 6 Sep 78  
 \*ANDROGENS, pharmacodynamics/ ANIMAL/ CARRIER PROTEINS, isolation & purification/ CARRIER PROTEINS, metabolism/ CASTRATION/ CYTOSOL, metabolism/ HYDROGEN-ION CONCENTRATION/ MALE/ OSMOLAR CONCENTRATION/ PHOSPHOPROTEINS, isolation & purification/ \*PHOSPHOPROTEINS, metabolism/ \*PROSTATE, metabolism/ PROTEIN KINASE, metabolism/ RATS/ \*SPERMINE, metabolism
2377. Libbus BL, Schuetz AW: Analysis of the progression of meiosis in dispersed rat testicular cells by flow cytofluorometry. *Cell Tissue Kinet* 11(4):377-91, Jul 78  
 ANIMAL/ CYTOLOGICAL TECHNIQS/ ESTRADIOL, analogs & derivatives/ ESTRADIOL, pharmacodynamics/ FLUOROMETRY/ GONADOTROPINS, PITUITARY, physiology/ HYPOPHYSECTOMY/ MALE/ \*MEIOSIS/ RATS/ SPERMATIDS, cytology/ SPERMATOCYTES, cytology/ SPERMATOGENESIS, drug effects/ \*TESTIS, cytology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

# AUTHOR SECTION

2378. Liherti JP: Production of somatomedin activity in vitro in the presence of growth hormone and cycloheximide. *J Endocrinol* 78(2):289-90, Aug 78  
ANIMAL/ \*CYCLOHEXIMIDE, pharmacodynamics/  
IN VITRO/ LIVER, cytology/ LIVER, drug effects/  
\*LIVER, metabolism/ RATS/ \*SOMATOMEDIN,  
biosynthesis/ \*SOMATOTROPIN, pharmacodynamics/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
2379. Lichardus B: Mechanizmy rýchlej renálnej regulácie objemu extracelulárnej tekutiny. *Lek Pr* 15(1):1-154, 1978 (Eng. Abstr.) (Slo)  
ANIMAL/ DOGS/ ENGLISH ABSTRACT/  
\*EXTRACELLULAR SPACE, physiology/  
HORMONES, physiology/ HUMAN/ \*KIDNEY,  
physiology/ RATS/ SODIUM, physiology
2380. Licht P, Farmer SW, Papkoff H: Biological activity of hybrid combinations of ovine and sea turtle LH subunits. *Gen Comp Endocrinol* 35(3):289-94, Jul 78  
ANIMAL/ BIOLOGICAL ASSAY/  
COMPARATIVE STUDY/ FEMALE/ FSH,  
metabolism/ GONADOTROPINS, CHORIONIC,  
metabolism/ \*LH, pharmacodynamics/  
MACROMOLECULAR SYSTEMS/ OVARY,  
metabolism/ OVULATION, drug effects/ PROTEIN  
HYBRIDIZATION/ RADIOLIGAND ASSAY/  
RATS/ \*SHEEP/ SPECIES SPECIFICITY/ TESTIS,  
metabolism/ TESTOSTERONE, metabolism/  
\*TURTLES/ UNITED STATES GOV'T  
SUPPORTED
2381. Lichtensteiger W, Richards JG, Kopp HG: Changes in the distribution of non-neuronal elements in rat median eminence and in anterior pituitary hormone secretion after activation of tuberoinfundibular dopamine neurones by brain stimulation or nicotine. *Brain Res* 157(1):73-88, 17 Nov 78  
ANIMAL/ \*DOPAMINE, physiology/ ELECTRIC  
STIMULATION/ FEMALE/  
\*HYPOTHALAMO-HYPOPHYSAL SYSTEM,  
cytology/ \*HYPOTHALAMUS, physiology/  
HYPOTHALAMUS, MEDIAL, cytology/  
HYPOTHALAMUS, MEDIAL, drug effects/ LH,  
blood/ \*MEDIAN EMINENCE, cytology/  
NEUROHEMAL ORGAN, cytology/ NEURONS,  
drug effects/ NEURONS, physiology/  
NEUROSECRETION, drug effects/ \*NICOTINE,  
pharmacodynamics/ \*PITUITARY HORMONES,  
ANTERIOR, secretion/ PROLACTIN, blood/ RATS/  
SOMATOTROPIN, blood/ TUBER CINEREUM, drug  
effects/ \*TUBER CINEREUM, physiology
2382. Liddle GW: Cushing's syndrome. *Ann NY Acad Sci* 297:594-602, 28 Oct 77  
ADENOMA, complications/ CORTICOTROPIN  
RELEASING HORMONE, physiology/ \*CUSHING'S  
SYNDROME/ CUSHING'S SYNDROME, diagnosis/  
CUSHING'S SYNDROME, etiology/ CUSHING'S  
SYNDROME, therapy/ DEXAMETHASONE,  
diagnostic use/ HUMAN/ METYRAPONE, diagnostic  
use/ PITUITARY NEOPLASMS, complications/  
PITUITARY-ADRENAL FUNCTION TESTS/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
2383. Liebermeister H: Häufigkeit des Schilddrüsen-karzinoms. *Lebensversicherungsmedizin* 30(6):138-41, Nov 78 (Ger)  
ADULT/ FEMALE/ GERMANY, WEST/ HUMAN/  
MALE/ MIDDLE AGE/ \*THYROID NEOPLASMS,  
occurrence
2384. Lichman PA: Rod disk calcium movement and transduction: a poorly illuminated story. *Ann NY Acad Sci* 307:642-4, 28 Apr 78  
ANIMAL/ \*CALCIUM, metabolism/  
HYDROGEN-ION CONCENTRATION/ IN  
VITRO/ NUCLEOTIDES, CYCLIC, physiology/  
PHOTOCHEMISTRY/ \*RODS AND CONES,  
metabolism/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
2385. Lifschytz E: Uncoupling of gonial and spermatocyte stages by means of conditional lethal mutations in *Drosophila melanogaster*. *Dev Biol* 66(2):571-8, Oct 78  
ANIMAL/ CELL DIFFERENTIATION/ CELL  
DIVISION/ DROSOPHILA MELANOGASTER,  
anatomy & histology/ \*DROSOPHILA  
MELANOGASTER, genetics/ \*GERM CELLS,  
cytology/ MALE/ \*MUTATION/  
\*SPERMATOCYTES, cytology/  
SPERMATOGENESIS/ \*SPERMATOZOA,  
cytology/ TESTIS, cytology/ X CHROMOSOME
2386. Lightbody IM, Ingram CG, Legge JS, et al: Ipratropium bromide, salbutamol and prednisolone in bronchial and chronic bronchitis. *Br J Dis Chest* 72(3):181-6  
ADOLESCENCE/ ADULT/ AGED/  
\*ALBUTEROL, therapeutic use/ \*ASTHMA,  
therapy/ ASTHMA, physiopathology/ \*ATRO  
DERIVATIVES, therapeutic use/ \*BRONCH  
drug therapy/ BRONCHITIS, physiopathology/  
CHRONIC DISEASE/ COMPARATIVE ST  
DRUG THERAPY, COMBINATION/ FORC  
EXPIRATORY VOLUME/ HUMAN/ MAX  
MIDEXPIRATORY FLOW RATE/ MIDDLE  
\*N-ISOPROPYLATROPINE, therapeutic use/  
\*PREDNISOLONE, therapeutic use
2387. Lijnen PJ, Amery AK: Cryoactivation of renin in human [proceedings] *Arch Int Physiol Biochim* 86(2):437-78  
ANGIOTENSIN I, blood/ ANGIOTENSIN II  
ENZYME ACTIVATION/ FREEZING/ HU  
\*RENIN, blood
2388. Lijnen PJ, Amery AK, Fagard RH, et al: Radioimmunoassay of angiotensin II in unextracted plasma. *Clin Chim Acta* 88(2):403-12, 1 Sep 78  
ADULT/ \*ANGIOTENSIN II, blood/  
ANGIOTENSINASE, antagonists & inhibitors/  
HUMAN/ ISOFLUOROPHATE/ MALE/ MET  
NORMAL VALUES/ PHENANTHROLINE  
RADIOIMMUNOASSAY/ RENIN, blood/  
TEMPERATURE/ TIME FACTORS
2389. Lillie RD, Donaldson PT, Pizzolato P, et al: Fe II uptake by enterochromaffin. Biochemical and histochemical studies of the ferrous ion uptake reaction in relation to enterochromaffin cells and mast cells. *Acta Histochem (Jena)* 61(2):248-56, 1978  
ANIMAL/ AZO COMPOUNDS/ BIOLOGIC  
TRANSPORT/ CATS/ \*CHROMAFFIN SY  
metabolism/ DOGS/ \*ENTEROCHROMAFF  
CELLS, metabolism/ FERRIC COMPOUND  
metabolism/ FERRICYANIDES, metabolism/  
\*FERROUS COMPOUNDS, metabolism/ GU  
PIGS/ HISTOCYTOCHEMISTRY/ HUMAN  
\*IRON, metabolism/ \*MAST CELLS, metabo  
MICE/ RATS
2390. Lim VS, Katz AI, Lindheimer MD: Acid-base regulation during pregnancy. *Am J Physiol* 231(6):1764-70, Dec 76  
\*ACID-BASE EQUILIBRIUM/ BICARBON  
blood/ CARBON DIOXIDE, blood/  
\*EXTRACELLULAR SPACE, physiology/  
FEMALE/ HUMAN/ HYDROGEN-ION  
CONCENTRATION/ \*PARATHYROID  
HORMONE, physiology/ PHOSPHATES, blo  
PREGNANCY TRIMESTER, THIRD/  
\*PREGNANCY/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
2391. Limburg H, Müller K, Brachetti AK: Actihaemyl bei gleichzeitiger Zytostatika-Therapie. *Fortschr Med* 96(36):1828, 28 Sep 78  
\*ACTIHAEMYL, therapeutic use/ \*ANTIBI  
ANTINEOPLASTIC, adverse effects/ ANTIBI  
ANTINEOPLASTIC, therapeutic use/ BREA  
NEOPLASMS, drug therapy/ DRUG  
EVALUATION/ FEMALE/ HUMAN/  
LEUKOPENIA, chemically induced/  
\*LEUKOPENIA, drug therapy/ OVARIAN  
NEOPLASMS, drug therapy/ \*TISSUE EXT  
therapeutic use
2392. Lin HS, Wing TY: The influence of activation, removal and denervation of the pineal on the fine structure of the cell and seminal vesicle epithelium in golden hamsters. *Cell Tissue Res* 191(3):367-78, 16 Aug 78  
ANIMAL/ CYTOPLASMIC GRANULES,  
ultrastructure/ EPITHELIUM, ultrastructure/  
HAMSTERS/ \*LEYDIG CELLS, ultrastructu  
MALE/ MESOCRICETUS/ \*PINEAL BODY  
physiology/ SEASONS/ \*SEMINAL VESIC  
ultrastructure/ \*TESTIS, ultrastructure
2393. Lin HT, Teng SC: 125I-triiodothyronine plasma binding test in assessment of thyroid function. *Chin Med J* 4(4):286-90, Jul 78  
FEMALE/ HUMAN/ HYPERTHYROIDISM,  
IODINE RADIOISOTOPES, diagnostic use/  
PREGNANCY/ \*PROTEIN-BOUND IODIN  
TEST/ \*TRIIODOTHYRONINE, blood



## AUTHOR SECTION

- Lin JT, Milutinovic S, Fahrenholz F:** Preparation and characterization of biologically active iodo- and [3H]secretin. *Anal Biochem* 88(2):587-97, 1 Aug 78  
ADENYL CYCLASE, metabolism/ CELL MEMBRANE, metabolism/ IODINE RADIOISOTOPES/ \*IODOPROTEINS, chemical synthesis/ IODOPROTEINS, pharmacodynamics/ ISOTOPE LABELING/ PANCREAS, metabolism/ \*SECRETIN/ SECRETIN, pharmacodynamics/ TRITIUM
- Lindhall O, Lindwall L:** Physical properties of fluorosis bone. Critical comments. *Acta Orthop Scand* 49(4):382-3, Aug 78  
BONE AND BONES, metabolism/ \*BONE AND BONES, physiopathology/ FLUORINE, metabolism/ \*FLUORINE, poisoning/ HARDNESS/ HUMAN/ STRESS, MECHANICAL
- Lindvall O, Stenevi U:** Dopamine and noradrenaline neurons projecting to the septal area in the rat. *Cell Tissue Res* 190(3):383-407, 10 Jul 78  
ANIMAL/ AXONS/ \*BRAIN, anatomy & histology/ DOPAMINE, metabolism/ FEMALE/ HISTOCYTOCHEMISTRY/ HYPOTHALAMUS, anatomy & histology/ LOCUS COERULEUS, anatomy & histology/ MEDULLA OBLONGATA, anatomy & histology/ MESENCEPHALON, anatomy & histology/ MODELS, NEUROLOGICAL/ \*NEURAL PATHWAYS, anatomy & histology/ \*NEURONS, cytology/ NEURONS, metabolism/ NOREPINEPHRINE, metabolism/ RATS/ \*SEPTUM PELLUCIDUM, anatomy & histology
- Lindvall O, Björklund A:** Anatomy of the dopaminergic neuron systems in the rat brain. *Adv Biochem Psychopharmacol* 19:1-23, 1978 (102 ref.)  
ANIMAL/ BRAIN CHEMISTRY/ \*BRAIN, anatomy & histology/ CEREBRAL CORTEX, anatomy & histology/ CEREBRAL VENTRICLES/ CORPUS STRIATUM, anatomy & histology/ DOPAMINE, analysis/ \*DOPAMINE, physiology/ HISTOCYTOCHEMISTRY/ HYPOTHALAMUS, anatomy & histology/ MESENCEPHALON, anatomy & histology/ \*NEURONS, analysis/ OLFACTORY BULB, anatomy & histology/ PITUITARY GLAND, anatomy & histology/ \*RATS, anatomy & histology/ RETINA, anatomy & histology/ REVIEW
- Ling N, Minick S, Guillemin R:** Amino-terminal extension analogs of methionine-enkephalin. *Biochem Biophys Res Commun* 83(2):565-70, 28 Jul 78  
AMINO ACIDS, analysis/ ANIMAL/ BIOLOGICAL ASSAY/ \*ENDORPHINS/ ENDORPHINS, chemical synthesis/ ENDORPHINS, pharmacodynamics/ \*ENKEPHALINS/ ENKEPHALINS, chemical synthesis/ ENKEPHALINS, pharmacodynamics/ GUINEA PIGS/ ILEUM, drug effects/ LIPOTROPIN/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Linman JW, Bagby GC Jr:** The preleukemic syndrome (hemopoietic dysplasia). *Cancer* 42(2 Suppl):854-64, Aug 78 (43 ref.)  
ADRENAL CORTEX HORMONES, therapeutic use/ AGED/ ANTINEOPLASTIC AGENTS, therapeutic use/ BLOOD TRANSFUSION/ \*BONE MARROW, pathology/ CHILD/ CHROMOSOME ABERRATIONS/ COLONY-FORMING UNITS ASSAY/ ERYTHROCYTES, physiology/ ERYTHROCYTES, transplantation/ FEMALE/ HUMAN/ IRON, metabolism/ MALE/ MIDDLE AGE/ MURAMIDASE, metabolism/ \*PRELEUKEMIA, diagnosis/ PRELEUKEMIA, physiopathology/ PRELEUKEMIA, therapy/ PYRIDOXINE, therapeutic use/ REVIEW/ SPLENECTOMY/ SYNDROME
- Linnoila M, Lamberg BA, Seppala T, et al:** Combined effect of pimozide and thyroliberin (TRH) on serum prolactin and thyroid stimulating hormone (TSH) in man. *Acta Pharmacol Toxicol (Copenh)* 43(1):72-4, Jul 78  
DOUBLE-BLIND METHOD/ DRUG INTERACTIONS/ HUMAN/ MALE/ \*PIMOZIDE, pharmacodynamics/ \*PROLACTIN, blood/ \*THYROTROPIN RELEASING HORMONE, pharmacodynamics/ \*THYROTROPIN, blood
- Lins PE, Efendic S, Löw H:** Somatostatin decreases urinary calcium excretion [letter]. *Lancet* 2(8091):687, 23 Sep 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ \*CALCIUM, urine/ CREATININE, urine/ DEPRESSION, CHEMICAL/ DIURNAL RHYTHM/ FEMALE/ HORMONES, SYNTHETIC, pharmacodynamics/ HUMAN/ MALE/ \*SOMATOTROPIN RELEASE INHIBITING HORMONE, pharmacodynamics
2402. **Linuma H, Kato K:** The effects of extracellular potassium and several drugs on the premature action potential and postextrasystolic potentiation. *Eur J Cardiol* 7(5-6):465-77, Jul 78  
ACTION POTENTIALS, drug effects/ ANIMAL/ \*CAFFEINE, pharmacodynamics/ CALCIUM, metabolism/ DOGS/ \*EXTRACELLULAR SPACE, drug effects/ \*EXTRASYSTOLE, physiopathology/ HEART CONDUCTION SYSTEM, drug effects/ HEART CONDUCTION SYSTEM, physiopathology/ \*IPROVERATRIL, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ \*MYOCARDIAL CONTRACTION, drug effects/ MYOCARDIUM, metabolism/ \*POTASSIUM, pharmacodynamics
2403. **Liozner LD:** Biologicheskie aspekty problemy vosstanovleniya patologicheskii izmenennykh organov. *Usp Sovrem Biol* 86(1):84-98, Jul-Aug 78 (49 ref.) (Rus)  
ANIMAL/ CARBON TETRACHLORIDE POISONING, physiopathology/ COMPARATIVE STUDY/ FROGS/ HEPATECTOMY/ HEPATITIS, TOXIC, physiopathology/ HUMAN/ LIVER CIRRHOSIS, physiopathology/ LIVER REGENERATION/ MUSCLES, physiopathology/ PANCREAS, physiopathology/ RATS/ \*REGENERATION/ REVIEW/ SKIN, physiopathology/ SURGERY, OPERATIVE/ TESTIS, physiopathology/ \*WOUND HEALING
2404. **Lipp HP:** Aggression and flight behaviour of the marmoset monkey *Callithrix jacchus*: an ethogram for brain stimulation studies. *Brain Behav Evol* 15(4):241-59, 1978  
\*AGGRESSION, physiology/ AGONISTIC BEHAVIOR, physiology/ ANIMAL/ ELECTRIC STIMULATION/ \*ESCAPE REACTION, physiology/ FEMALE/ \*HYPOTHALAMUS, physiology/ MALE/ MARMOSETS/ MONKEYS/ VOCALIZATION, ANIMAL, physiology
2405. **Lipp HP, Hunsperger RW:** Threat, attack and flight elicited by electrical stimulation of the ventromedial hypothalamus of the marmoset monkey *Callithrix jacchus*. *Brain Behav Evol* 15(4):260-93, 1978  
\*AGGRESSION, physiology/ AGONISTIC BEHAVIOR, physiology/ ANIMAL/ BRAIN MAPPING/ ELECTRIC STIMULATION/ \*ESCAPE REACTION, physiology/ FEMALE/ \*HYPOTHALAMUS, physiology/ \*HYPOTHALAMUS, MEDIAL, physiology/ MALE/ MARMOSETS/ MONKEYS/ SEX BEHAVIOR, ANIMAL, physiology/ VOCALIZATION, ANIMAL, physiology
2406. **Lippman ME, Heuson JC, Muggia FM:** Problems in the development of cytotoxic moieties linked to hormones. *Cancer Treat Rep* 62(8):1267-8, Aug 78  
ANIMAL/ \*ANTINEOPLASTIC AGENTS, chemical synthesis/ ANTINEOPLASTIC AGENTS, metabolism/ ANTINEOPLASTIC AGENTS, therapeutic use/ BREAST NEOPLASMS, drug therapy/ CELL LINE/ CHEMISTRY, PHARMACEUTICAL/ DRUG SCREENING/ HUMAN/ NEOPLASMS, EXPERIMENTAL, drug therapy/ RECEPTORS, STEROID, metabolism/ \*STEROIDS, chemical synthesis/ STEROIDS, metabolism/ STEROIDS, therapeutic use
2407. **Lippman ME, Allegra JC:** Current concepts in cancer. Receptors in breast cancer. *N Engl J Med* 299(17):930-3, 26 Oct 78  
ANTINEOPLASTIC AGENTS, therapeutic use/ \*BREAST NEOPLASMS, analysis/ BREAST NEOPLASMS, diagnosis/ BREAST NEOPLASMS, drug therapy/ BREAST NEOPLASMS, therapy/ CASTRATION/ FALSE POSITIVE REACTIONS/ FEMALE/ HUMAN/ \*RECEPTORS, ESTROGEN, analysis/ RECEPTORS, PROGESTERONE, analysis/ RECEPTORS, STEROID, analysis
2408. **Lippman ME, Yarbrow GK, Leventhal BG:** Clinical implications of glucocorticoid receptors in human leukemia. *Cancer Res* 38(11 Pt 2):4251-6, Nov 78  
ADOLESCENCE/ ANTINEOPLASTIC AGENTS, therapeutic use/ CHILD/ CYTOSOL, metabolism/



# AUTHOR SECTION

- FEMALE/ HUMAN/ IN VITRO/ LEUKEMIA, LYMPHOBLASTIC, blood/ LEUKEMIA, LYMPHOBLASTIC, drug therapy/ \*LEUKEMIA, LYMPHOBLASTIC, metabolism/ LEUKOCYTE COUNT/ LYMPHOCYTES, metabolism/ MALE/ \*NEOPLASMS, HORMONE-DEPENDENT, metabolism/ PROGNOSIS/ \*RECEPTORS, GLUCOCORTICOID/ \*RECEPTORS, STEROID/ REMISSION/ T-LYMPHOCYTES, metabolism/ TIME FACTORS
2409. Lipska H, Gruchalski J, Kuligowska M: Przypadek torbieli rzekomej nadnercza u noworodka leczonego operacyjnie. *Pediatr Pol* 53(8):1005-7, Aug 78 (Rus)  
\*ADRENAL GLAND DISEASES/ ADRENAL GLAND DISEASES, radiography/ ADRENAL GLAND DISEASES, surgery/ CASE REPORT/ \*CYSTS/ CYSTS, radiography/ CYSTS, surgery/ HUMAN/ INFANT, NEWBORN/ MALE
2410. Lipton JM, Trzcinka GP: Persistence of febrile response to pyrogens after PO/AH lesions in squirrel monkeys. *Am J Physiol* 231(6):1638-48, Dec 76  
ANIMAL/ \*BODY TEMPERATURE REGULATION/ BRAIN, pathology/ DOPAMINE, physiology/ ENDOTOXINS, pharmacodynamics/ EPINEPHRINE, physiology/ FEVER, physiopathology/ \*HYPOTHALAMUS, physiology/ \*HYPOTHALAMUS, ANTERIOR, physiology/ MALE/ MEDULLA OBLONGATA, physiology/ MONKEYS/ NOREPINEPHRINE, physiology/ OXYGEN CONSUMPTION/ \*PREOPTIC AREA, physiology/ SALMONELLA TYPHI/ SQUIRREL MONKEYS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2411. Lister G: Intraosseous wiring of the digital skeleton. *J Hand Surg* 3(5):427-35, Sep 78  
ADOLESCENCE/ ADULT/ AGED/ \*ARTHRODESIS, methods/ \*BONE AND BONES, surgery/ CHILD/ CHILD, PRESCHOOL/ \*FINGER INJURIES, surgery/ \*FINGERS, surgery/ \*FRACTURE FIXATION, INTERNAL, methods/ \*FRACTURES, surgery/ HUMAN/ MIDDLE AGE
2412. Liston SL: Hypercalcemia and head and neck cancer. Bony metastases from tongue cancer. *Arch Otolaryngol* 104(10):597-600, Oct 78  
\*BONE NEOPLASMS, complications/ CASE REPORT/ FEMALE/ HUMAN/ HYPERCALCEMIA, diagnosis/ \*HYPERCALCEMIA, etiology/ HYPERCALCEMIA, therapy/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ \*TONGUE NEOPLASMS, complications
2413. Liszczak T, Richardson EP Jr, Phillips JP, et al: Morphological, biochemical, ultrastructural, tissue culture and clinical observations of typical and aggressive craniopharyngiomas. *Acta Neuropathol (Berl)* 43(3):191-203, 15 Sep 78  
ADOLESCENCE/ ADULT/ BIOPSY/ CELL NUCLEOLUS, ultrastructure/ CHILD/ CHOLESTEROL, analysis/ CRANIOPHARYNGIOMA, pathology/ \*CRANIOPHARYNGIOMA, ultrastructure/ DESMOSOMES, ultrastructure/ FEMALE/ HISTOCYTOCHEMISTRY/ HUMAN/ MALE/ MICROSCOPY, ELECTRON/ MICROVILLI, ultrastructure/ MIDDLE AGE/ MITOSIS/ PITUITARY NEOPLASMS, pathology/ \*PITUITARY NEOPLASMS, ultrastructure/ SURFACE PROPERTIES/ TISSUE CULTURE/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2414. Little JR: Modification of acute focal ischemia by treatment with mannitol and high-dose dexamethasone. *J Neurosurg* 49(4):517-24, Oct 78  
ANIMAL/ BRAIN, pathology/ CAPILLARY PERMEABILITY, drug effects/ CATS/ \*CEREBRAL ISCHEMIA, drug therapy/ CEREBRAL ISCHEMIA, pathology/ \*DEXAMETHASONE, administration & dosage/ DRUG THERAPY, COMBINATION/ MANNITOL, administration & dosage/ \*MANNITOL, therapeutic use
2415. Littleton J: Alcohol and neurotransmitters. *Clin Endocrinol Metab* 7(2):369-84, Jul 78  
ACETYLCHOLINE, metabolism/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ALCOHOL, ETHYL, diagnostic use/ \*ALCOHOL, ETHYL, pharmacodynamics/ ALCOHOL, ETOXICITY/ AMINO ACIDS, metabolism/ ANIMAL/ \*BRAIN, metabolism/ CELL MEMBRANE, effects/ CELL MEMBRANE, metabolism/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HUMAN/ \*NEUROHUMORS, metabolism/ PEPTIDES, metabolism/ PROSTAGLANDINS, metabolism
2416. Liu DS, Ekstrom R, Spicer JW, et al: Age-related changes in protein, RNA and DNA content and protein synthesis in rat testes. *Exp Gerontol* 13(3-4):197-205, 1978  
\*AGING/ ANIMAL/ \*DNA, biosynthesis/ MITOCHONDRIA, metabolism/ MITOCHONDRIA, biosynthesis/ \*PROTEINS, biosynthesis/ RATS, biosynthesis/ \*TESTIS, metabolism/ TESTIS, ultrastructure/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2417. Liul'ko AV, Masalygina LS, Biakov SV, et al: Klinicheskoe znachenie telets Barra pri novoobrazovaniakh pozdnykh i ranikh stadii razvitiya. *Urol Nefrol (Mosk)* 5(5):60-3, Sep-Oct 78  
ADULT/ AGED/ FEMALE/ HUMAN/ \*NEOPLASMS, familial & genetic/ MALE/ MIDDLE AGE/ PROGNOSIS/ \*SEX CHROMATIN, CHROMATIN, analysis
2418. Livergant IuE, Iakimova TP, Duma VA, et al: Pokazatel' kletchnogo immuniteta posle radioiodterapii tireoidnykh zhelez. *Med Radiol (Mosk)* 23(10):29-34, Oct 78 (Eng. A)  
CHRONIC DISEASE/ ENGLISH ABSTRACTS/ HUMAN/ HYPERSENSITIVITY, DELAYED/ IMMUNOLOGY/ HYPERTHYROIDISM, immunology/ \*HYPERTHYROIDISM, radiotherapy/ \*IMMUNITY, radiation effects/ \*IODINE RADIOISOTOPES, therapeutic use/ LYMPH TRANSFORMATION, radiation effects/ REMISSION
2419. Lvidas DP, Piperings GD, Sfountouris J, et al: Lacunar infarction of the thyroid gland. Influence of povidone-iodine on tests of thyroid function. *J Int Med Res* 6(5):406-8, 1978  
ADMINISTRATION, TOPICAL/ ADULT/ FEMALE/ HUMAN/ IODINE, metabolism/ \*POLYVINYLPIRROLIDONE, analogs & derivatives/ \*POVIDONE-IODINE, pharmacodynamics/ PROSPECTIVE STUDY/ THYROID FUNCTION TESTS/ \*THYROID GLAND, drug effects/ THYROID GLAND, metabolism/ THYROXINE, metabolism
2420. Livingston A: Effects of hormone-releasing stimuli on the perivascular space in the neural lobe of the rat. *Cell Tissue Res* 191(3):501-6, 16 Aug 78  
ANIMAL/ \*CALCIUM, pharmacodynamics/ COMPARATIVE STUDY/ \*EXTRACELLULAR SPACE, ultrastructure/ \*HEMORRHAGE, physiopathology/ MALE/ PITUITARY GLAND, posterior, physiology/ \*PITUITARY GLAND, posterior, ultrastructure/ RATS/ \*VAGUS NERVE, physiology
2421. Ljunggren JG, Tryselius M, Kallner G, et al: Radioimmunoassay of triiodothyronine and thyroxine in capillary blood. *Scand J Clin Lab Invest* 38(6):593-5, Oct 78  
CAPILLARIES/ COMPARATIVE STUDY/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ \*RADIOIMMUNOASSAY, methods/ \*THYROID FUNCTION TESTS, methods/ \*THYROXINE, methods/ TRIIODOTHYRONINE, blood/ VEINS
2422. Ljunghall S, Lithell H, Vessby B, et al: Glucose and lipid metabolism in primary hyperparathyroidism. Effect of parathyroidectomy. *Acta Endocrinol (Copenh)* 89(1):1-8, Nov 78  
ADENOMA, metabolism/ ADENOMA, surgery/ ADULT/ AGED/ BLOOD SUGAR, analysis/ FASTING/ FEMALE/ GLUCOSE TOLERANCE TEST/ \*GLUCOSE, metabolism/ HUMAN/ HYPERCALCEMIA/ \*HYPERPARATHYROIDISM, metabolism/ HYPERPARATHYROIDISM, surgery/ INSULIN, blood/ LIPOPROTEIN LIPASE, metabolism/ \*LIPOPROTEINS, blood/ LIPOPROTEINS, blood/ LIPOPROTEINS, LDL, blood/ LIPOPROTEINS, VLDL, blood/ MALE/ MIDDLE AGE/ \*PARATHYROID GLANDS, surgery/ PARATHYROID NEOPLASMS, metabolism/ PARATHYROID NEOPLASMS, surgery



# AUTHOR SECTION

Lloyd RD, McFarland SS, Atherton DR, et al: Early retention of 237 Pu + 239 Pu in mature beagles. Health Phys 35(2):211-5, Aug 78

ANIMAL/ BONE AND BONES, analysis/  
COMPARATIVE STUDY/ DOGS/ FEMALE/  
INJECTIONS, INTRAVENOUS/ LIVER, analysis/  
\*PLUTONIUM, administration & dosage/ TIME  
FACTORS/ TISSUE DISTRIBUTION/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.

Locatto ME, Fernández MC, Puche RC: Metabolismo del citrato en ratas tratadas con Solanum glaucophyllum. Medicina (B Aires) 38(3):250-4, May-Jun 78 (Eng. Abstr.) (Spa)

ANIMAL/ CALCIUM, blood/  
CHOLECALCIFEROLS, toxicity/ CITRATES,  
blood/ \*CITRATES, metabolism/ CITRATES, urine/  
COMPARATIVE STUDY/ ENGLISH ABSTRACT/  
GLYCOSIDES, toxicity/ IN VITRO/ KIDNEY,  
metabolism/ MALE/ PHOSPHORUS, blood/  
\*PLANTS/ RATS

Locke W: Control of anterior pituitary function.

Arch Intern Med 138(10):1541-5, Oct 78

CORTICOTROPIN, secretion/ FEEDBACK/ FSH,  
secretion/ GONADOTROPINS, PITUITARY,  
secretion/ HUMAN/ HYPERPITUITARISM,  
physiopathology/ HYPOPITUITARISM,  
physiopathology/ HYPOTHALAMIC HORMONES,  
physiology/ LH, secretion/ \*PITUITARY GLAND,  
ANTERIOR, physiology/ PROLACTIN, secretion/  
SOMATOTROPIN RELEASING HORMONE,  
physiology/ SOMATOTROPIN, secretion/  
THYROTROPIN RELEASING HORMONE,  
physiology/ THYROTROPIN RELEASING  
HORMONE, secretion

Loeffel ED: Psoriasis in adolescence.

Major Probl Clin Pediatr 19:143-62, 1978

ADOLESCENCE/ ADULT/ AGE FACTORS/  
ANTI-INFLAMMATORY AGENTS, TOPICAL,  
therapeutic use/ FEMALE/ HUMAN/ MALE/  
PHYSICIAN-PATIENT RELATIONS/  
PROGNOSIS/ \*PSORIASIS/ PSORIASIS, diagnosis/  
PSORIASIS, familial & genetic/ PSORIASIS,  
occurrence/ PSORIASIS, therapy/ SEX FACTORS/  
SOCIAL ADJUSTMENT/ SOCIOECONOMIC  
FACTORS/ TRIAMCINOLONE, therapeutic use

Loffredo A, Sammartino A, De Luca M, et al: Prolapsus de l'iris par perforation spontanée de la cornée et fracture costale pathologique après thérapie à la cortisone pour arthrite rhumatoïde. J Fr Ophtalmol 1(6-7):427-38, Jun-Jul 78 (Eng. Abstr.) (Fre)

\*ARTHRITIS, RHEUMATOID, drug therapy/ CASE  
REPORT/ \*CORNEAL ULCER, chemically induced/  
CORTISONE, administration & dosage/  
\*CORTISONE, adverse effects/ CORTISONE,  
therapeutic use/ ENGLISH ABSTRACT/ \*EYE  
DISEASES, chemically induced/ FEMALE/  
\*FRACTURES, SPONTANEOUS, chemically  
induced/ HUMAN/ \*IRIS/ MIDDLE AGE/  
PROLAPSE/ \*RIBS/ TIME FACTORS

Lofts B: Reptilian reproductive cycles and environmental regulators. pp. 37-43.

In: Assenmacher I, Farner DS, ed. Environmental endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.

ANIMAL/ ENVIRONMENT/ FEMALE/  
HORMONES, physiology/ MALE/ MONOGRAPH/  
\*PERIODICITY/ \*REPRODUCTION/ \*REPTILES,  
physiology/ SEASONS/ SPERMATOZOA,  
physiology/ TEMPERATURE/ TESTIS, physiology

Logan AG, Tenyi I, Quesada T, et al: Blockade of renin release by lanthanum. Clin Sci Mol Med 48 Suppl 2:31s-32s, Jun 75

ANIMAL/ DEPRESSION, CHEMICAL/  
GLUCAGON, antagonists & inhibitors/ IN VITRO/  
ISOPROTERENOL, antagonists & inhibitors/  
KIDNEY, blood supply/ \*LANTHANUM,  
pharmacodynamics/ NOREPINEPHRINE, antagonists  
& inhibitors/ PERFUSION/ RATS/ \*RENIN,  
secretion/ \*VASOCONSTRICTION, drug effects

Loh HH, Li CH: Biologic activities of beta-endorphin and its related peptides. Ann NY Acad Sci 297:115-30, 28 Oct 77

ANALGESICS/ ANIMAL/ BEHAVIOR, ANIMAL,  
drug effects/ BRAIN, drug effects/ DRUG  
TOLERANCE/ \*ENDORPHINS, pharmacodynamics/  
GUINEA PIGS/ MICE/ MORPHINE,

pharmacodynamics/ NEUROHUMORS, metabolism/  
RATS/ SOMATOTROPIN, metabolism/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.

2431. Lohff MR, Bauman MD: Variation of trace binding in digoxin radioimmunoassay by use of 125I-labeled 3-O-succinyl-digoxigenin: relation of thyroxine concentration to binding [letter] Clin Chem 24(10):1854, Oct 78

\*DIGOXIGENIN, analogs & derivatives/ \*DIGOXIN,  
analogs & derivatives/ \*DIGOXIN, blood/ HUMAN/  
IODINE RADIOISOTOPES/  
RADIOIMMUNOASSAY/ THYROGLOBULIN,  
metabolism/ THYROXINE, blood/  
TRIIODOTHYRONINE, metabolism

2432. Lohmann SM, Ueda T, Greengard P: Ontogeny of synaptic phosphoproteins in brain. Proc Natl Acad Sci USA 75(8):4037-41, Aug 78

ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ANIMAL/ \*BRAIN, embryology/  
BRAIN, metabolism/ BRAIN, ultrastructure/  
GESTATIONAL AGE/ GUINEA PIGS/ \*NERVE  
TISSUE PROTEINS, metabolism/  
\*PHOSPHOPROTEINS, metabolism/  
PHOSPHORYLATION/ \*PROTEIN KINASE,  
metabolism/ RATS/ SYNAPSES, ultrastructure/  
UNITED STATES GOV'T SUPPORTED, P.H.S.

2433. Lolis D, Kaskarelis D: Human placental lactogen levels in amniotic fluid in normal and toxemic pregnancies.

Acta Obstet Gynecol Scand 57(4):367-9, 1978

ADULT/ \*AMNIOTIC FLUID, analysis/ FEMALE/  
FETAL DISTRESS, diagnosis/ HUMAN/  
\*PLACENTAL LACTOGEN/ PLACENTAL  
LACTOGEN, analysis/ \*PREGNANCY TOXEMIAS,  
physiopathology/ PREGNANCY/  
RADIOIMMUNOASSAY

2434. Lolis D, Tzingounis V, Kaskarelis D: Maternal serum and amniotic fluid levels of human placental lactogen in gestational diabetes. Eur J Clin Invest 8(4):259-60, Aug 78

\*AMNIOTIC FLUID, analysis/ FEMALE/ HUMAN/  
\*PLACENTAL LACTOGEN, analysis/  
PLACENTAL LACTOGEN, blood/ \*PREGNANCY  
IN DIABETES, metabolism/ PREGNANCY  
TRIMESTER, THIRD/ PREGNANCY

2435. Lomarev MP: Rol' frontal'noi kory v organizatsii émošional'no-povedencheskikh reaktsii, vyzyvaemykh stimulatsiei gipotalamusa i natural'nymi razdražiteliami. Zh Vyssh Nerv Deiat 28(4):792-7, Jul-Aug 78 (Eng. Abstr.) (Rus)

\*ANGER, physiology/ ANIMAL/ BRAIN  
MAPPING/ CATS/ ELECTRIC STIMULATION/  
ENGLISH ABSTRACT/ \*HYPOTHALAMUS,  
physiology/ \*MOTOR CORTEX, physiology/ \*RAGE,  
physiology/ \*SOMATOSENSORY CORTEX,  
physiology

2436. Lomessy A, Bouletreau P: Indications opératoires urgentes des phéochromocytomes. Anesth Analg (Paris) 35(2):227-32, Mar-Apr 78 (Fre)

ADRENAL GLAND NEOPLASMS, complications/  
\*ADRENAL GLAND NEOPLASMS, surgery/  
ADULT/ ARRHYTHMIA, etiology/ CASE  
REPORT/ \*EMERGENCIES/ HUMAN/ KIDNEY  
FAILURE, ACUTE, etiology/ MALE/ MIDDLE  
AGE/ PHEOCHROMOCYTOMA, complications/  
\*PHEOCHROMOCYTOMA, surgery

2437. Long SE: Chiasma counts and non-disjunction frequencies in a normal ram and in rams carrying the Massey I (t1) Robertsonian translocation. J Reprod Fertil 53(2):353-6, Jul 78

ANIMAL/ GENOTYPE/ KARYOTYPING/ MALE/  
MEIOSIS/ SEX CHROMOSOMES/ \*SHEEP,  
genetics/ \*TESTIS, cytology/ TRANSLOCATION  
(GENETICS)

2438. Longcope C, Pratt JH: Relationship between urine and plasma estrogen ratios. Cancer Res 38(11 Pt 2):4025-8, Nov 78

BREAST NEOPLASMS, blood/ BREAST  
NEOPLASMS, urine/ COMPARATIVE STUDY/  
ESTRADIOL, blood/ ESTRIOL, blood/  
\*ESTROGENS, metabolism/ ESTROGENS, urine/  
ESTRONE, blood/ FEMALE/ HUMAN/  
MENOPAUSE/ MENSTRUATION, FOLLICULAR  
PHASE/ MENSTRUATION, LUTEAL PHASE/  
METABOLIC CLEARANCE RATE/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.

# AUTHOR SECTION

2439. Léo H, Boulenger JP: Les dépressions chimiquement induites. *Rev Prat* 28(39):2989-94, 11 Sep 78 (Eng. Abstr.) (Fre)  
ADRENAL CORTEX HORMONES, adverse effects/  
ANTIHYPERTENSIVE AGENTS, adverse effects/  
\*DEPRESSION, chemically induced/ ENGLISH  
ABSTRACT/ ESTROGENS, adverse effects/  
HUMAN/ PARASYMPATHOMIMETICS, adverse  
effects/ PSYCHOTROPIC DRUGS, adverse effects
2440. Loo JC, Jordan N: A specific radio-immunological assay for  
prednisolone in plasma.  
*Res Commun Chem Pathol Pharmacol* 21(3):523-30, Sep 78  
ANTIBODIES, analysis/ ANTIBODY SPECIFICITY/  
HUMAN/ \*PREDNISOLONE, blood/  
PREDNISOLONE, immunology/ RABBITS,  
immunology/ RADIOIMMUNOASSAY, methods/  
TIME FACTORS
2441. Lopatin BS: Znachenie ochagovoi infektsii pri ostrom i  
khronicheskom gnoinykh srednikh otitakh. (Rus)  
*Vestn Otorinolaringol* (5):81-5, Sep-Oct 78  
ACUTE DISEASE/ ADRENAL GLANDS,  
physiopathology/ CELL MEMBRANE  
PERMEABILITY/ CHRONIC DISEASE/ EAR,  
MIDDLE, physiopathology/ FEMALE/ FOCAL  
INFECTION, immunology/ \*FOCAL INFECTION,  
physiopathology/ HUMAN/ IMMUNITY,  
NATURAL/ MALE/ \*OTITIS MEDIA,  
physiopathology/ OTITIS MEDIA, SUPPURATIVE,  
immunology/ \*OTITIS MEDIA, SUPPURATIVE,  
physiopathology/ THYROID GLAND,  
physiopathology
2442. Lopes OU, Palmer JF: Mechanism of hypothalamic control  
of cardiac component of sinus nerve reflex.  
*Q J Exp Physiol* 63(3):231-54, Jul 78  
ACTION POTENTIALS/ ANIMAL/ \*CAROTID  
SINUS, innervation/ CATS/ ELECTRIC  
STIMULATION/ FEMALE/ HEART RATE/  
\*HEART, physiology/ \*HYPOTHALAMUS,  
physiology/ MALE/ REFLEX/ RESPIRATION
2443. Lopez R, Karakousis CP, Didolkar MS, et al: Estramustine  
phosphate in the treatment of advanced malignant melanoma.  
*Cancer Treat Rep* 62(9):1329-32, Sep 78  
ADULT/ AGED/ DRUG EVALUATION/  
\*ESTRAMUSTINPHOSPHATE, therapeutic use/  
FEMALE/ HUMAN/ MALE/ \*MELANOMA, drug  
therapy/ MIDDLE AGE/ \*NITROGEN MUSTARD  
COMPOUNDS, therapeutic use/ REMISSION/ TIME  
FACTORS
2444. López Guerrero AJ, González Ruiz F, Mayán Santos JM, et  
al: El feocromocitoma y sus incidencias  
anestésico-quirúrgicas. *Rev Esp Anestesiología Reanim*  
25(3):247-58, May 78 (Eng. Abstr.) (Spa)  
ADOLESCENCE/ \*ADRENAL GLAND  
NEOPLASMS, surgery/ ADULT/ AGED/  
\*ANESTHESIA, GENERAL, adverse effects/ CASE  
REPORT/ ENGLISH ABSTRACT/ FEMALE/  
HUMAN/ MALE/ \*PHEOCHROMOCYTOMA,  
surgery/ POSTOPERATIVE COMPLICATIONS,  
etiology
2445. Lorens SA: Some behavioral effects of serotonin depletion  
depend on method: a comparison of  
5,7-dihydroxytryptamine, p-chlorophenylalanine,  
p-chloroamphetamine, and electrolytic raphe lesions.  
*Ann NY Acad Sci* 305:532-55, 12 Jun 78 (169 ref.)  
P-CHLOROAMPHETAMINE, pharmacodynamics/  
P-CHLOROPHENYLALANINE, pharmacodynamics/  
ANIMAL/ AVOIDANCE LEARNING, drug effects/  
AVOIDANCE LEARNING, physiology/  
BEHAVIOR, ANIMAL, drug effects/ \*BEHAVIOR,  
ANIMAL, physiology/ \*BRAIN STEM, physiology/  
COMPARATIVE STUDY/ ELECTROLYSIS/  
METHODS/ MOTOR ACTIVITY, drug effects/  
MOTOR ACTIVITY, physiology/ PAIN,  
physiopathology/ RAPHE NUCLEI, anatomy &  
histology/ \*RAPHE NUCLEI, physiology/ RATS/  
REVIEW/ \*SEROTONIN ANTAGONISTS,  
pharmacodynamics/ SEROTONIN, metabolism/  
\*SEROTONIN, physiology/ UNITED STATES  
GOV'T SUPPORTED, P.H.S./  
5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics
2446. Losito A, Williams DG, Cooke G, et al: The effects on  
polymorphonuclear leucocyte function of prednisolone and  
azathioprine in vivo and prednisolone, azathioprine and  
6-mercaptopurine in vitro. *Clin Exp Immunol* 32(3):423-8,  
Jun 78
- ADOLESCENCE/ ADULT/ \*AZATHIOPRINE,  
pharmacodynamics/ CANDIDA ALBICANS,  
immunology/ CHEMOTAXIS, LEUKOCYTE,  
effects/ HUMAN/ KIDNEY, transplantation/  
\*MERCAPTOPYRINE, pharmacodynamics/  
MIDDLE AGE/ NEUTROPHILS, drug effect/  
\*NEUTROPHILS, immunology/ PHAGOCYTO-  
drug effects/ \*PREDNISOLONE, pharmacody-  
STAPHYLOCOCCUS AUREUS, immunology,  
TRANSPLANTATION, HOMOLOGOUS
2447. Lotem J, Sachs L: Genetic dissociation of different c  
effects of interferon on myeloid leukemic cells.  
*Int J Cancer* 22(2):214-20, 15 Aug 78  
CELL DIFFERENTIATION, drug effects/ C  
DIVISION, drug effects/ CLONE CELLS, dr  
effects/ DEXAMETHASONE, pharmacodyn  
ENZYME INDUCTION, drug effects/ \*GENE  
effects/ \*INTERFERON, pharmacodynamics/  
\*LEUKEMIA, EXPERIMENTAL, drug ther  
LEUKEMIA, EXPERIMENTAL, enzymology  
LEUKEMIA, EXPERIMENTAL, familial &  
\*LEUKEMIA, MYELOCYTIC, drug therapy,  
MURAMIDASE, biosynthesis/ MUTATION
2448. Lourdes C, Joseph-Bravo P, Leblanc P, et al: Specific  
of LHRH and TRH degrading enzymes in various  
of normal and castrated male rats.  
*Biochem Biophys Res Commun* 83(3):921-6, 14 Au  
ANIMAL/ \*CASTRATION/ CEREBRAL CO  
enzymology/ COMPARATIVE STUDY/ DR  
STABILITY/ HYPOTHALAMUS, enzymology  
KINETICS/ \*LH-FSH RELEASING HORM  
MALE/ MEDIAN EMINENCE, enzymology  
ORGAN SPECIFICITY/ \*PEPTIDE  
HYDROLASES, metabolism/ PITUITARY G  
enzymology/ RATS/ \*THYROTROPIN RELE  
HORMONE
2449. Louis CF, Fudyma G, Nash-Adler P, et al: Effects  
monovalent cation ionophores on calcium uptake b  
skeletal muscle sarcoplasmic reticulum vesicles.  
*FEBS Lett* 93(1):61-4, 1 Sep 78  
ANIMAL/ BIOLOGICAL TRANSPORT, A  
drug effects/ \*CALCIUM, metabolism/ CAR  
CYANIDE M-CHLOROPHENYL HYDRAZ  
pharmacodynamics/ CELL-FREE SYSTEM/  
GRAMICIDINS, pharmacodynamics/  
\*IONOPHORES, pharmacodynamics/ KINET  
NIGERICIN, pharmacodynamics/ RABBITS/  
SARCOPLASMIC RETICULUM, drug effect  
\*SARCOPLASMIC RETICULUM, metabolism  
UNITED STATES GOV'T SUPPORTED, P  
VALINOMYCIN, pharmacodynamics
2450. Louis TM, Lawrence IE Jr, Becker RF, et al: Prost  
F2alpha prostaglandin E2, progesterone,  
20alpha-dihydroprogesterone and ovarian 20alpha  
hydroxysteroid dehydrogenase activity in preparat  
pelvic neurectomized rats. *Proc Soc Exp Biol Med*  
158(4):631-6, Sep 78  
ANIMAL/ \*DIHYDROPROGESTERONE,  
FEMALE/ LABOR COMPLICATIONS, eti  
\*LABOR/ \*OVARY, enzymology/ \*PELVIS  
innervation/ PREGNANCY/ \*PROGESTER  
analog & derivatives/ \*PROGESTERONE,  
\*PROSTAGLANDINS E, blood/  
\*PROSTAGLANDINS F, blood/ RATS/ TI  
FACTORS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ \*20-HYDROXYSTE  
DEHYDROGENASES, metabolism
2451. Louis WJ, Doyle AE, Anavekar SN: Plasma noradr  
concentration and blood pressure in essential hyp  
phaeochromocytoma and depression. *Clin Sci Mo  
Suppl* 2:239s-242s, Jun 75  
ADRENAL GLAND NEOPLASMS, blood/  
\*ADRENAL GLAND NEOPLASMS,  
physiopathology/ \*BLOOD PRESSURE/ CL  
RESEARCH/ COMPARATIVE STUDY/  
\*DEPRESSION, blood/ EPINEPHRINE, bl  
HUMAN/ HYPERTENSION, blood/  
\*HYPERTENSION, physiopathology/  
\*NOREPINEPHRINE, blood/  
\*PHEOCHROMOCYTOMA, blood/  
\*PHEOCHROMOCYTOMA, physiopathology
2452. Lovenberg W, Kuhn DM: Role of hydroxylase cofa  
serotonin biosynthesis. *Psychopharmacol Bull* 14(4):  
78



## AUTHOR SECTION

- ADENOSINE TRIPHOSPHATE, metabolism/  
\*BRAIN, metabolism/ CALCIUM, metabolism/  
\*COENZYMES, metabolism/ IN VITRO/  
MAGNESIUM, metabolism/ \*SEROTONIN,  
biosynthesis/ \*TRYPTOPHAN HYDROXYLASE,  
metabolism
53. Lövgren T, Pettersson K, Lundberg B, et al: Effect of Cu<sup>2+</sup> ions on the binding of estrogen to the human myometrial estrogen binding protein. *Contraception* 18(2):181-90, Aug 78  
CATIONS, DIVALENT/ CENTRIFUGATION,  
DENSITY GRADIENT/ \*COPPER,  
pharmacodynamics/ ESTRADIOL,  
pharmacodynamics/ FEMALE/ HUMAN/  
\*MYOMETRIUM, drug effects/ PROTEIN BINDING,  
drug effects/ \*RECEPTORS, ESTROGEN, drug  
effects/ \*UTERUS, drug effects
54. Lövgren T, Heikius B, Lundberg B, et al: Simultaneous solubilization of steroid hormones I: estrogens and C21 steroids. *J Pharm Sci* 67(10):1419-22, Oct 78  
CHEMISTRY, PHARMACEUTICAL/  
ESTRADIOL/ \*ESTROGENS/ ETHINYL  
ESTRADIOL/ HYDROCORTISONE/ MICELLES/  
PROGESTERONE, analogs & derivatives/  
SOLUBILITY/ \*STEROIDS/ SURFACE-ACTIVE  
AGENTS
55. Lowenthal A, Noppe M, Gheuens J, et al: alpha-Albumin (glial fibrillary acidic protein) in normal and pathological human brain and cerebrospinal fluid. *J Neurol* 219(2):87-91, 25 Oct 78  
\*ALBUMINS, analysis/ \*BRAIN CHEMISTRY/  
BRAIN EDEMA, metabolism/ CORPUS  
CALLOSUM, analysis/ HUMAN/ MULTIPLE  
SCLEROSIS, metabolism/ \*NERVE TISSUE  
PROTEINS, analysis/ NERVE TISSUE PROTEINS,  
cerebrospinal fluid/ NIEMANN-PICK DISEASE,  
cerebrospinal fluid/ OLFACTORY BULB, analysis/  
OPTIC NERVE, analysis/ PINEAL BODY, analysis/  
TAY-SACHS DISEASE, metabolism
456. Lowry PJ, Silman RE, Hope J, et al: Structure and biosynthesis of peptides related to corticotropins and beta-melanotropins. *Ann NY Acad Sci* 297:49-62, 28 Oct 77  
AMINO ACID SEQUENCE/ ANIMAL/  
CHEMISTRY/ \*CORTICOTROPIN, metabolism/  
HUMAN/ MSH, metabolism/ PEPTIDE  
FRAGMENTS, metabolism/ \*PEPTIDES, metabolism/  
\*PITUITARY GLAND, metabolism/ SPECIES  
SPECIFICITY/ STRUCTURE-ACTIVITY  
RELATIONSHIP
457. Lox CD, Peddicord O, Heine MW, et al: The influence of chronic long term alcohol abuse on testosterone secretion in men and rats. *Proc West Pharmacol Soc* 21:299-302, 1978  
ADULT/ ALCOHOL, ETHYL, blood/  
\*ALCOHOLISM, blood/ ANIMAL/ HUMAN/ LH,  
blood/ MALE/ MIDDLE AGE/ PROLACTIN,  
blood/ RATS/ TESTOSTERONE, blood/  
\*TESTOSTERONE, secretion
458. Lu CC, Steinberger A: Effects of estrogen on human seminiferous tubules: light and electron microscopic analysis. *Am J Anat* 153(1):1-13, Sep 78  
ADULT/ AGED/ \*ETHINYL ESTRADIOL,  
pharmacodynamics/ HUMAN/ MALE/ MIDDLE  
AGE/ SEMINIFEROUS TUBULES, cytology/  
SEMINIFEROUS TUBULES, drug effects/  
\*SEMINIFEROUS TUBULES, ultrastructure/  
SERTOLI CELLS, drug effects/ SERTOLI CELLS,  
ultrastructure/ \*TESTIS, ultrastructure/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
2459. Lubbe WF: Clinical usefulness of the beta-adrenergic antagonists. *S Afr Med J* 54(4):139-48, 22 Jul 78 (48 ref.)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
biosynthesis/ ADRENERGIC BETA RECEPTOR  
AGONISTS, physiology/ ADRENERGIC BETA  
RECEPTOR BLOCKADERS, administration &  
dosage/ \*ADRENERGIC BETA RECEPTOR  
BLOCKADERS, pharmacodynamics/ ADRENERGIC  
BETA RECEPTOR BLOCKADERS, physiology/  
\*ADRENERGIC BETA RECEPTOR  
BLOCKADERS, therapeutic use/ ANGINA  
PECTORIS, drug therapy/ ANTIHYPERTENSIVE  
AGENTS, therapeutic use/ ANXIETY, drug therapy/  
ARRHYTHMIA, drug therapy/ AURICULAR  
FIBRILLATION, drug therapy/ CELL  
COMMUNICATION/ CELLS, physiology/  
CHEMISTRY/ DICHLOROISOPROTHERENOL/  
DRUG THERAPY, COMBINATION/  
EPINEPHRINE, analogs & derivatives/ FEMALE/  
HUMAN/ HYPERTENSION, drug therapy/  
HYPERTHYROIDISM, drug therapy/ IDIOPATHIC  
HYPERTROPHIC SUBVALVULAR STENOSIS,  
drug therapy/ ISOSORBIDE DINITRATE, therapeutic  
use/ MYOCARDIAL INFARCTION, drug therapy/  
PERIPHERAL NERVE DISEASES, drug therapy/  
PHEOCHROMOCYTOMA, drug therapy/  
PREGNANCY, drug effects/ PROPRANOLOL,  
physiology/ QUINIDINE, therapeutic use/ REVIEW/  
SCHIZOPHRENIA, drug therapy
2460. Luca N, Sirian S: Influence of fornix, electrocoagulation on the level of cerebral amino acids in cats with hypothalamic cobalt epileptogenic focus. *Neurol Psychiatr (Bucur)* 16(3):179-84, Jul-Sep 78  
\*AMINO ACIDS, metabolism/ ANIMAL/  
BEHAVIOR, ANIMAL/ \*BRAIN CHEMISTRY/  
CATS/ COBALT/ \*CORPUS CALLOSUM,  
metabolism/ \*ELECTROCOAGULATION/  
ELECTROENCEPHALOGRAPHY/ EPILEPSY,  
chemically induced/ \*EPILEPSY, metabolism/  
HYPOTHALAMUS, metabolism
2461. Lucchelli A, Guidotti A, Costa E: Striatal content of Ca<sup>2+</sup>-dependent regulator protein and dopaminergic receptor function. *Brain Res* 155(1):130-5, 20 Oct 78  
ANIMAL/ APOMORPHINE, pharmacodynamics/  
\*CALCIUM, metabolism/ CEREBELLUM,  
enzymology/ \*CORPUS STRIATUM, enzymology/  
DENERVATION/ ENZYME ACTIVATION, drug  
effects/ FRONTAL LOBE, enzymology/  
HALOPERIDOL, pharmacodynamics/ MALE/  
NERVE DEGENERATION/ \*NERVE TISSUE  
PROTEINS, metabolism/ NEURAL PATHWAYS,  
physiology/ NUCLEUS ACCUMBENS, enzymology/  
RATS/ RECEPTORS, DOPAMINE, drug effects/  
\*RECEPTORS, DOPAMINE, physiology/  
TYROSINE HYDROXYLASE, metabolism/  
2',3'-CYCLIC NUCLEOTIDE  
PHOSPHODIESTERASE, metabolism
2462. Luchshev VI: O lechenii pechenochnoi nedostatochnosti razlichnogo geneza. *Sov Med* (9):75-7, Sep 78 (Eng. Abstr.) (Rus)  
ADOLESCENCE/ ADULT/ AGED/ DRAINAGE/  
ENGLISH ABSTRACT/ HEPATITIS, VIRAL,  
HUMAN, drug therapy/ HUMAN/ LIVER ABSCESS,  
surgery/ LIVER CIRRHOSIS, therapy/ \*LIVER  
DISEASES, therapy/ MIDDLE AGE/  
PREDNISOLONE, therapeutic use
2463. Lucisano A, Dell'Acqua S, Montemurro A, et al: Peripheral and ovarian vein plasma levels of 20alpha-dihydroprogesterone in women with normal menstrual cycles. *J Steroid Biochem* 9(7):643-8, Jul 78  
CROSS REACTIONS/  
\*DIHYDROPROGESTERONE, blood/  
ESTRADIOL, blood/ FEMALE/ HUMAN/  
HYDROXYPROGESTERONES, blood/ LH, blood/  
\*MENSTRUATION/ MENSTRUATION,  
FOLLICULAR PHASE/ MENSTRUATION,  
LUTEAL PHASE/ OVARY, blood supply/ \*OVARY,  
physiology/ \*PROGESTERONE, analogs &  
derivatives/ PROGESTERONE, blood/ VEINS
2464. Lugg MA, Nicholas TE: The effect of dexamethasone on the activity of 11beta-hydroxysteroid dehydrogenase in the foetal rabbit lung during the final stage of gestation. *J Pharm Pharmacol* 30(9):587-9, Sep 78  
ANIMAL/ CORTISONE/ \*DEXAMETHASONE,  
pharmacodynamics/ ENZYME INDUCTION, drug  
effects/ FEMALE/ GESTATIONAL AGE/  
\*HYDROXYSTEROID DEHYDROGENASES,  
metabolism/ LUNG, drug effects/ LUNG, embryology/  
\*LUNG, enzymology/ PREGNANCY/ RABBITS
2465. Lukash F, DiBenedetto A, Williams LE: Intracardiac metastatic testicular reticulum-cell sarcoma presenting cyanosis. *NY State J Med* 78(11):1757-9, Sep 78  
AGED/ CASE REPORT/ \*CYANOSIS, etiology/  
\*HEART NEOPLASMS, complications/ HEART  
NEOPLASMS, diagnosis/ HUMAN/ MALE/  
NEOPLASM METASTASIS/ \*SARCOMA,  
RETICULUM CELL, complications/ \*TESTICULAR  
NEOPLASMS, complications
2466. Lukasik J, Gustowski A: Nowotwory jajnika w przebiegu ciąży, porodu i pólgu. *Wiad Lek* 31(16):1119-24, 15 Aug 78 (Eng.

## AUTHOR SECTION

- Abstr.) (Pol)  
ADULT/ ENGLISH ABSTRACT/ FEMALE/  
HUMAN/ \*LABOR COMPLICATIONS/ MIDDLE  
AGE/ \*OVARIAN NEOPLASMS, complications/  
\*PREGNANCY COMPLICATIONS/  
PREGNANCY/ \*PUERPERAL DISORDERS
2467. **Lund B, Sørensen OH, Lund B:** Ialpha-hydroxycholecalciferol  
and renal function [letter] *Lancet* 2(8092 Pt 1):731, 30 Sep  
78  
AGE FACTORS/ AGED/ GLOMERULAR  
FILTRATION RATE, drug effects/ HUMAN/  
\*HYDROXYCHOLECALCIFEROLS, therapeutic  
use/ HYPERCALCEMIA, chemically induced/  
HYPERCALCEMIA, physiopathology/ \*KIDNEY,  
drug effects/ KIDNEY, physiopathology/  
\*OSTEOPOROSIS, drug therapy/ OSTEOPOROSIS,  
physiopathology
2468. **Lund DD, Knuefer MM, Brody MJ, et al:** Comparison of  
tyrosine hydroxylase and choline acetyltransferase activity  
in response to sympathetic nervous system activation.  
*Brain Res* 156(1):192-7, 3 Nov 78  
ADRENAL MEDULLA, enzymology/ ANIMAL/  
BLOOD PRESSURE/ \*CERVICAL PLEXUS,  
enzymology/ \*CHOLINE ACETYLTRANSFERASE,  
metabolism/ COLD/ COMPARATIVE STUDY/  
ELECTRIC STIMULATION/ GUINEA PIGS/  
HEART RATE/ HYPOTHALAMUS, physiology/  
MALE/ RATS/ \*RESERPINE, pharmacodynamics/  
\*STELLATE GANGLION, enzymology/  
\*TYROSINE HYDROXYLASE, metabolism/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
2469. **Lundberg JM, Dahlström A, Bylock A, et al:** Ultrastructural  
evidence for an innervation of epithelial enterochromaffine  
cells in the guinea pig duodenum. *Acta Physiol Scand*  
104(1):3-12, Sep 78  
\*ADRENERGIC FIBERS, ultrastructure/ ANIMAL/  
BASEMENT MEMBRANE, ultrastructure/  
\*CHOLINERGIC FIBERS, ultrastructure/  
\*CHROMAFFIN SYSTEM, ultrastructure/  
CYTOPLASMIC GRANULES, ultrastructure/  
DENDRITES, ultrastructure/ DUODENUM,  
cytology/ \*DUODENUM, innervation/  
\*ENTEROCHROMAFFIN CELLS, ultrastructure/  
EPITHELIUM, cytology/ GUINEA PIGS/  
HYDROXYDOPAMINE, pharmacodynamics/  
MICROSCOPY, ELECTRON/ \*NERVE ENDINGS,  
ultrastructure
2470. **Lundbergh P:** Kronisk hepatit. Diagnostik, terapi och prognos.  
*Lakartidningen* 75(42):3783-5, 18 Oct 78 (Eng. Abstr.)  
(Swe)  
ADRENAL CORTEX HORMONES, therapeutic use/  
ADULT/ CHRONIC DISEASE/ ENGLISH  
ABSTRACT/ FEMALE/ \*HEPATITIS/  
HEPATITIS, diagnosis/ HEPATITIS, drug therapy/  
HUMAN/ MALE/ MIDDLE AGE/ PROGNOSIS/  
SEX FACTORS
2471. **Lundh H:** Effects of 4-aminopyridine on neuromuscular  
transmission. *Brain Res* 153(2):307-18, 22 Sep 78  
ACETYLCHOLINE, metabolism/ ACTION  
POTENTIALS, drug effects/ \*AMINOPYRIDINES,  
pharmacodynamics/ ANIMAL/ CALCIUM,  
metabolism/ FROGS/ MAGNESIUM,  
pharmacodynamics/ MALE/ MOTOR ENDPLATE,  
drug effects/ MOTOR ENDPLATE, metabolism/  
\*NEURAL TRANSMISSION, drug effects/  
\*NEUROMUSCULAR JUNCTION, drug effects/  
RATS/ TEMPERATURE/ TETRODOXIN,  
pharmacodynamics/ TUBOCURARINE,  
pharmacodynamics
2472. **Lunkenbeimer PP, Merker HJ, Guntber T, et al:**  
Thiouracil-induced myocardial fibrosis. *Path Res Pract*  
163(1):47-56, Sep 78  
ANIMAL/ CELL MEMBRANE, ultrastructure/  
COLLAGEN, analysis/ CONNECTIVE TISSUE,  
analysis/ FEMALE/ HEXOSAMINES, analysis/  
MICROSCOPY, ELECTRON/ \*MYOCARDIAL  
DISEASES, chemically induced/ MYOCARDIAL  
DISEASES, pathology/ MYOCARDIUM, analysis/  
MYOCARDIUM, ultrastructure/ \*THIOURACIL/  
TIME FACTORS
2473. **Lupinek Z, Chaloupka V, Rysavý F, et al:** Zkušenosti s  
podáváním heparinu a hydrokortisonu v první fázi srdečního  
infarktu. *Vnitr Lek* 24(10):987-91, Oct 78 (Eng. Abstr.)  
(Cze)
- DRUG THERAPY, COMBINATION/ ENGLISH  
ABSTRACT/ \*HEPARIN, administration & dosage/  
HUMAN/ \*HYDROCORTISONE, administration &  
dosage/ \*MYOCARDIAL INFARCTION, drug  
therapy/ PROGNOSIS
2474. **Lusis AJ, Paigen K:** The large scale isolation of mouse  
beta-glucuronidase and comparison of allozymes.  
*J Biol Chem* 253(20):7336-45, 25 Oct 78  
AMINO ACIDS, analysis/ ANIMAL/  
COMPARATIVE STUDY/ \*GLUCURONIDASE,  
isolation & purification/ GLUCURONIDASE,  
metabolism/ GLUCURONIDASE, urine/  
IMMUNOASSAY/ \*ISOENZYMES, isolation &  
purification/ ISOENZYMES, metabolism/  
ISOENZYMES, urine/ MICE/ MICE, INBRED  
STRAINS/ MOLECULAR WEIGHT/ SPECIES  
SPECIFICITY/ TESTOSTERONE,  
pharmacodynamics
2475. **Lyon J, Spence DA:** Congenital thyroid disease detected by  
screening program. *Alaska Med* 20(4):56-9, Jul 78  
ADULT/ CASE REPORT/ FEMALE/ HUMAN/  
HYPOTHYROIDISM, congenital/  
HYPOTHYROIDISM, diagnosis/ INFANT/ MALE/  
\*THYROID DISEASES, congenital/ THYROID  
DISEASES, diagnosis/ THYROID FUNCTION  
TESTS/ THYROXINE BINDING PROTEIN,  
deficiency
- M**
2476. **McAfee DA, Whiting GJ, Siegel B:** Neurotransmitter and cyclic  
nucleotide modulation of frog cardiac contractility.  
*J Mol Cell Cardiol* 10(8):705-16, Aug 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ANIMAL/ ATROPINE,  
pharmacodynamics/ \*CARBACHOL,  
pharmacodynamics/ \*EPINEPHRINE,  
pharmacodynamics/ FROGS/ \*GUANOSINE  
CYCLIC-3',5'-MONOPHOSPHATE, metabolism/  
HEART, drug effects/ \*MYOCARDIAL  
CONTRACTION/ MYOCARDIAL  
CONTRACTION, drug effects/ \*MYOCARDIUM,  
metabolism/ RANA PIPIENS/ RO 20-1724,  
pharmacodynamics/ THEOPHYLLINE,  
pharmacodynamics/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
2477. **Macaron C, Wilber JF, Green O, et al:** Studies of growth  
hormone (GH), thyrotropin (TSH) and prolactin (PRL)  
secretion in anorexia nervosa. *Psychoneuroendocrinology*  
3(2):181-5, Apr 78  
ADOLESCENCE/ ADULT/ \*ANOREXIA  
NERVOSA, blood/ FEMALE/ HUMAN/ MALE/  
\*PROLACTIN, blood/ \*SOMATOTROPIN, blood/  
THYROTROPIN RELEASING HORMONE,  
pharmacodynamics/ \*THYROTROPIN, blood/  
THYROXINE, blood/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
2478. **McCaffree MA, Altshuler G, Benirschke K:** Placental  
coccidioidomycosis without fetal disease.  
*Arch Pathol Lab Med* 102(10):512-4, Oct 78  
ADULT/ CASE REPORT/  
COCCIDIOIDOMYCOSIS, diagnosis/  
\*COCCIDIOIDOMYCOSIS, pathology/ FEMALE/  
\*FETAL DISEASES/ HUMAN/ PLACENTA  
DISORDERS, diagnosis/ \*PLACENTA DISORDERS,  
pathology/ PREGNANCY COMPLICATIONS,  
INFECTIOUS, diagnosis/ \*PREGNANCY  
COMPLICATIONS, INFECTIOUS, pathology/  
PREGNANCY
2479. **McCann SM, Ojeda SR, Harms PG, et al:** Role of  
prostaglandins (PGs) in the control of adenohypophyseal  
hormone secretion. *Curr Top Mol Endocrinol* 3:21-35, 1976  
(36 ref.)  
ANIMAL/ CASTRATION/ DOSE-RESPONSE  
RELATIONSHIP, DRUG/ ESTROGENS,  
pharmacodynamics/ FEMALE/ FSH, secretion/ LH,  
secretion/ MALE/ PITUITARY GLAND,  
ANTERIOR, drug effects/ \*PITUITARY GLAND,  
ANTERIOR, secretion/ \*PITUITARY HORMONES,  
ANTERIOR, secretion/ PROLACTIN,  
pharmacodynamics/ PROSTAGLANDINS E,  
pharmacodynamics/ PROSTAGLANDINS F,  
pharmacodynamics/ PROSTAGLANDINS,  
biosynthesis/ \*PROSTAGLANDINS,



## AUTHOR SECTION

- pharmacodynamics/ REVIEW/ SOMATOTROPIN, pharmacodynamics/ THYROTROPIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2480. McCarron DA: Chlorthalidone in hypoparathyroidism [letter] N Engl J Med 299(16):900, 19 Oct 78  
\*CHLORTHALIDONE, therapeutic use/ HUMAN/ HYPOPARATHYROIDISM, blood/ \*HYPOPARATHYROIDISM, drug therapy/ PARATHYROID HORMONE, blood
2481. McCarty DJ: Intrasynovial therapy with adreno-corticosteroid esters. Wis Med J 77(8):S75-6, Aug 78  
ADRENAL CORTEX HORMONES, administration & dosage/ \*ADRENAL CORTEX HORMONES, therapeutic use/ \*ARTHRITIS, drug therapy/ HUMAN/ INJECTIONS, INTRA-ARTICULAR/ SYNOVIAL MEMBRANE
2482. McComb DJ, Kovacs K: Ultrastructural morphometry of sparsely granulated prolactin cell adenomas of the human pituitary. Acta Endocrinol (Copenh) 89(3):521-9, Nov 78  
ADENOMA, secretion/ \*ADENOMA, ultrastructure/ CYTOPLASMIC GRANULES, ultrastructure/ FEMALE/ GOLGI APPARATUS, ultrastructure/ HUMAN/ HYPOPHYSECTOMY/ MALE/ MITOCHONDRIA, ultrastructure/ \*PITUITARY GLAND, ANTERIOR, ultrastructure/ PITUITARY NEOPLASMS, secretion/ \*PITUITARY NEOPLASMS, ultrastructure/ \*PROLACTIN, secretion
2483. McConnell B: Exchange mechanisms for hydrogen bonding protons of cytidylic and guanylic acids. Biochemistry 17(15):3168-76, 25 Jul 78  
\*CYTIDINE MONOPHOSPHATE/ CYTIDINE MONOPHOSPHATE, analogs & derivatives/ \*CYTOSINE NUCLEOTIDES/ CYTOSINE NUCLEOTIDES, analogs & derivatives/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE/ HYDROGEN BONDING/ HYDROGEN-ION CONCENTRATION/ KINETICS/ NUCLEAR MAGNETIC RESONANCE/ \*NUCLEOTIDES, CYCLIC/ UNITED STATES GOV'T SUPPORTED
2484. McCord WC, Nies KM, Campion DS, et al: Regional migratory osteoporosis. A denervation disease. Arthritis Rheum 21(7):834-8, Sep-Oct 78  
CASE REPORT/ \*ELECTROMYOGRAPHY/ FEMALE/ HUMAN/ MIDDLE AGE/ \*MOTOR NEURONS, physiopathology/ \*OSTEOPOROSIS, diagnosis/ OSTEOPOROSIS, physiopathology
2485. McCormack TJ, Plassche WM Jr, Lin SR: Ruptured teratoid tumor in the pineal region. J Comput Assist Tomogr 2(4):499-501, Sep 78  
ADOLESCENCE/ BRAIN NEOPLASMS, complications/ \*BRAIN NEOPLASMS, radiography/ CASE REPORT/ FEMALE/ HUMAN/ \*PINEAL BODY, radiography/ RUPTURE, SPONTANEOUS/ TERATOID TUMOR, complications/ \*TERATOID TUMOR, radiography
2486. McCracken GH Jr, Eichenwald HF: Antimicrobial therapy in infants and children. Part II. Therapy of infectious conditions. J Pediatr 93(3):357-77, Sep 78 (41 ref.)  
ADRENAL CORTEX HORMONES, therapeutic use/ \*ANTIBIOTICS, therapeutic use/ ANTITUBERCULAR AGENTS, therapeutic use/ BONE DISEASES, drug therapy/ CENTRAL NERVOUS SYSTEM DISEASES, drug therapy/ CHILD/ CHILD, PRESCHOOL/ GASTROINTESTINAL DISEASES, drug therapy/ HEART DISEASES, drug therapy/ HUMAN/ INFANT/ INFANT, NEWBORN/ INFECTION, drug therapy/ RESPIRATORY TRACT INFECTIONS, drug therapy/ REVIEW/ SEPTICEMIA, drug therapy/ SKIN DISEASES, infectious, drug therapy/ URINARY TRACT INFECTIONS, drug therapy/ VENEREAL DISEASES, drug therapy
2487. McCullough EC, Payne JT: Patient dosage in computed tomography. Radiology 129(2):457-63, Nov 78  
FEMALE/ HEAD/ HUMAN/ MODELS, STRUCTURAL/ OVARY/ \*RADIATION DOSAGE/ RADIATION PROTECTION/ RADIOMETRY/ THORAX/ \*TOMOGRAPHY, COMPUTERIZED AXIAL/ TOMOGRAPHY, COMPUTERIZED AXIAL, instrumentation
2488. McDevitt DG, Nelson JK: Comparative trial of atenolol and propranolol in hyperthyroidism. Br J Clin Pharmacol 6(3):233-7, Sep 78  
ATENOLOL, adverse effects/ ATENOLOL, pharmacodynamics/ \*ATENOLOL, therapeutic use/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DOUBLE-BLIND METHOD/ FEMALE/ HEART RATE, drug effects/ HUMAN/ \*HYPERTHYROIDISM, drug therapy/ HYPERTHYROIDISM, physiopathology/ MALE/ MIDDLE AGE/ PLACEBOS/ \*PROPANOLAMINES, therapeutic use/ PROPANOLOL, adverse effects/ PROPANOLOL, pharmacodynamics/ \*PROPANOLOL, therapeutic use
2489. McDevitt DG, Riddell JG, Hadden DR, et al: Catecholamine sensitivity in hyperthyroidism and hypothyroidism. Br J Clin Pharmacol 6(4):297-301, Oct 78  
ADULT/ \*CATECHOLAMINES, pharmacodynamics/ FEMALE/ HEART RATE, drug effects/ HUMAN/ \*HYPERTHYROIDISM, physiopathology/ \*HYPOTHYROIDISM, physiopathology/ ISOPROTERENOL, diagnostic use/ MALE/ MIDDLE AGE/ RESPIRATION, drug effects/ THYROID HORMONES, blood
2490. MacDonald DW, Saggerson ED: Effect of adrenalectomy on acceleration of gluconeogenesis by calcium ions, adenosine 3':5'-cyclic monophosphate and adrenaline in rat kidney tubules. Biochem J 174(2):641-6, 15 Aug 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ \*ADRENALECTOMY/ ANIMAL/ \*CALCIUM, pharmacodynamics/ \*EPINEPHRINE, pharmacodynamics/ \*GLUCONEOGENESIS, drug effects/ HYDROCORTISONE, pharmacodynamics/ KIDNEY TUBULES, drug effects/ \*KIDNEY TUBULES, metabolism/ MALE/ RATS/ SYMPATHOLYTICS, pharmacodynamics
2491. McDonald SD, Von Hofe SE, Dorfman SG, et al: Delayed cure of Cushing's disease after transsphenoidal surgery of pituitary microadenomas. Report of two cases. J Neurosurg 49(4):593-6, Oct 78  
ADENOMA, CHROMOPHOBE, complications/ \*ADENOMA, CHROMOPHOBE, surgery/ ADULT/ CASE REPORT/ CORTICOTROPIN, secretion/ CUSHING'S SYNDROME, diagnosis/ CUSHING'S SYNDROME, etiology/ \*CUSHING'S SYNDROME, surgery/ DEXAMETHASONE, diagnostic use/ FEMALE/ HUMAN/ HYPOPHYSECTOMY, methods/ MALE/ PITUITARY NEOPLASMS, complications/ \*PITUITARY NEOPLASMS, surgery/ TIME FACTORS
2492. McDougall IR: Behandlung mit Radiopharmaka. Internist (Berlin) 19(7):431-6, Jul 78 (Ger)  
BONE NEOPLASMS, radiotherapy/ GOLD COLLOID, RADIOACTIVE, therapeutic use/ HUMAN/ HYPERTHYROIDISM, radiotherapy/ INJECTIONS, INTRA-ARTICULAR/ IODINE RADIOISOTOPES, therapeutic use/ MYELOPROLIFERATIVE DISORDERS, radiotherapy/ NEOPLASM METASTASIS/ PHOSPHORUS RADIOISOTOPES, therapeutic use/ RADIOISOTOPES, administration & dosage/ \*RADIOISOTOPES, therapeutic use/ RADIOTHERAPY, adverse effects/ THYROID NEOPLASMS, radiotherapy
2493. (McDowell E), Wasson AA: A courageous woman and a country doctor (Ephraim McDowell). Front Nurs Serv Q Bull 54(1):38-9, Summer 78  
FEMALE/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 19TH CENT./ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ KENTUCKY/ \*NEOPLASMS, therapy/ \*OVARIAN CYSTS, surgery/ \*REGIONAL MEDICAL PROGRAMS/ RURAL HEALTH/ \*SURGERY, history
2494. McEwen BS: Adrenal steroid feedback on neuroendocrine tissues. Ann NY Acad Sci 297:568-79, 28 Oct 77  
\*ADRENAL CORTEX HORMONES, physiology/ ADRENALECTOMY/ AGE FACTORS/ ANIMAL/ BRAIN CHEMISTRY/ BRAIN, metabolism/ \*BRAIN, physiology/ CORTICOSTERONE, analysis/ DEXAMETHASONE, metabolism/ ESTRADIOL, analysis/ FEEDBACK/ GLUCOCORTICOIDS,



# AUTHOR SECTION

- physiology/ NEURAL PATHWAYS/  
NEUROSECRETORY SYSTEMS, physiology/  
RABBITS/ RATS/ \*RECEPTORS, STEROID/  
RECEPTORS, STEROID, analysis/ UNITED  
STATES GOV'T SUPPORTED/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
2495. Macfarlane WV: Hormones and mammalian osmoregulation.  
pp. 240-50.  
In: Assenmacher I, Farner DS, ed. Environmental  
endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.  
(34 ref.)  
ADAPTATION, PHYSIOLOGICAL/  
ALDOSTERONE, physiology/ ANIMAL/ BODY  
COMPOSITION/ ENVIRONMENT/ EXERTION/  
HEAT/ \*HORMONES, physiology/ KIDNEY,  
physiology/ \*MAMMALS, physiology/  
MONOGRAPH/ REVIEW/ SODIUM, metabolism/  
VASOPRESSINS, physiology/ WATER  
DEPRIVATION/ \*WATER-ELECTROLYTE  
BALANCE
2496. Macfaul R, Dorner S, Brett EM, et al: Neurological  
abnormalities in patients treated for hypothyroidism from  
early life. Arch Dis Child 53(8):611-9, Aug 78  
ADOLESCENCE/ ADULT/ \*BRAIN DISEASES,  
etiology/ CHILD BEHAVIOR DISORDERS,  
etiology/ CHILD/ CHILD, PRESCHOOL/ EYE  
DISEASES, etiology/ FEMALE/ HUMAN/  
HYPOTHYROIDISM, congenital/  
\*HYPOTHYROIDISM, complications/  
HYPOTHYROIDISM, psychology/  
INTELLIGENCE/ MALE/ MOTOR ACTIVITY/  
MOVEMENT DISORDERS, etiology
2497. McGarrigle HH, Sarris S, Little V, et al: Induction of ovulation  
with clomiphene and human chorionic gonadotrophin in  
women with hyperprolactinaemic amenorrhoea.  
Br J Obstet Gynaecol 85(9):692-7, Sep 78  
ADULT/ \*AMENORRHEA, blood/  
AMENORRHEA, drug therapy/ \*CLOMIPHENE,  
therapeutic use/ DRUG THERAPY,  
COMBINATION/ ESTRADIOL, blood/ FEMALE/  
FSH, blood/ \*GONADOTROPINS, CHORIONIC,  
therapeutic use/ HUMAN/ LH, blood/ OVULATION  
INDUCTION/ \*PROLACTIN, blood
2498. McGiff JC, Terragno DA, Terragno NA: Prostaglandins and  
renal function. Contrib Nephrol 12:27-40, 1978  
ANIMAL/ DOGS/ HYPERTENSION,  
physiopathology/ \*KIDNEY, physiology/  
PROSTAGLANDINS E, blood/  
PROSTAGLANDINS F, blood/  
\*PROSTAGLANDINS, physiology/ RENIN, blood/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
2499. McGill JR, Herbert DC, Hayashida T: Immunocytochemical  
identification of rat growth hormone cells utilizing antisera  
to nonmammalian growth hormones.  
Gen Comp Endocrinol 35(3):342-5, Jul 78  
ANIMAL/ FEMALE/ IMMUNE SERUMS/ MALE/  
MONKEYS/ PITUITARY GLAND, ANTERIOR,  
ultrastructure/ RATS/ SHARKS/  
\*SOMATOTROPIN, analysis/ SOMATOTROPIN,  
immunology/ SPECIES SPECIFICITY/ TURTLES/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
2500. McGinnis M, Nance DM, Gorski RA: Olfactory, septal and  
amygdala lesions alone or in combination: effects on lordosis  
behavior and emotionality. Physiol Behav 20(4):435-40, Apr  
78  
\*AMYGDALOID BODY, physiology/ ANIMAL/  
BRAIN MAPPING/ COMPARATIVE STUDY/  
DOPA, physiology/ \*EMOTIONS, physiology/  
FEMALE/ GABA, physiology/ NEURAL  
PATHWAYS, physiology/ \*OLFACTORY BULB,  
physiology/ POSTURE/ RATS/ \*SEPTUM  
PELLUCIDUM, physiology/ \*SEX BEHAVIOR,  
ANIMAL, physiology/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
2501. McGrath CM, Jones RF: Hormonal induction of mammary  
tumor viruses and its implications for carcinogenesis.  
Cancer Res 38(11 Pt 2):4112-25, Nov 78 (60 ref.)  
ANIMAL/ CELLS, CULTURED/  
COCARCINOGENESIS/ \*DEXAMETHASONE,  
pharmacodynamics/ DNA, VIRAL, metabolism/  
FEMALE/ GLYCOPOLYMER, biosynthesis/  
\*INSULIN, pharmacodynamics/ MAMMAE,  
metabolism/ \*MAMMARY CANCER VIRUS, drug  
effects/ \*MAMMARY NEOPLASMS,  
EXPERIMENTAL, etiology/ MAMMARY  
NEOPLASMS, EXPERIMENTAL, metabolism/  
MICE/ MICE, INBRED BALB C/ MICE, IN  
C3H/ MITOGENS/ PITUITARY GLAND,  
physiology/ PRECANCEROUS CONDITIONS,  
etiology/ PRECANCEROUS CONDITIONS,  
metabolism/ REVIEW/ RNA, VIRAL, biosyn  
\*TUMOR VIRUS INFECTIONS, etiology/ UN  
STATES GOV'T SUPPORTED, P.H.S./ VIRA  
PROTEINS, biosynthesis
2502. McGrath P: Aspects of the human pharyngeal hypopharynx  
normal and anencephalic fetuses and neonates and the  
possible significance in the mechanism of its control  
J Anat 127(1):65-81, Sep 78  
\*ANENCEPHALY, pathology/  
ANTHROPOMETRY/ FEMALE/ FETUS,  
pathology/ GESTATIONAL AGE/ HUMAN/  
INFANT, NEWBORN/ MALE/ NASOPHARYNX,  
anatomy & histology/ \*NASOPHARYNX, patho  
\*PITUITARY GLAND, abnormalities/ PITUIT  
GLAND, anatomy & histology/ PITUITARY GL  
blood supply/ PITUITARY GLAND, embryolo  
SEX FACTORS
2503. McGuire JC, Sun FF: Metabolism of prostacyclin. Oxi  
by rhesus monkey lung 15-hydroxyl prostaglandin  
dehydrogenase. Arch Biochem Biophys 189(1):92-6, 1978  
ANIMAL/ CATALYSIS/ COMPARATIVE STUDY/  
\*HYDROXYPROSTAGLANDIN  
DEHYDROGENASES/ KINETICS/ \*LUNG,  
enzymology/ MONKEYS/ \*PROSTAGLANDIN  
\*PROSTAGLANDINS X/ \*PROSTAGLANDIN  
RHESUS MONKEYS/ SUBSTRATE SPECIFICITY
2504. McGuire WL: Steroid receptors in human breast cancer  
Cancer Res 38(11 Pt 2):4289-91, Nov 78  
\*BREAST NEOPLASMS, metabolism/ BREAST  
NEOPLASMS, therapy/ CYTOPLASM, metabo  
FEMALE/ HUMAN/ \*NEOPLASMS,  
HORMONE-DEPENDENT, metabolism/  
NEOPLASMS, HORMONE-DEPENDENT, the  
PROGNOSIS/ \*RECEPTORS, ESTROGEN/  
\*RECEPTORS, PROGESTERONE/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
2505. Mchedlishvili GI, Ormotsadze LG: Deistvie prostaglandin  
E1 i E2 na vnutrenniyu sonniyu arteriiu.  
Biull Eksp Biol Med 86(9):274-7, Sep 78 (Eng. Abst.)  
ANIMAL/ \*CAROTID ARTERIES, drug effect  
CAROTID ARTERY, INTERNAL/  
COMPARATIVE STUDY/ DOGS/ DRUG  
INTERACTIONS/ ENGLISH ABSTRACT/  
FEMALE/ MALE/ MUSCLE, SMOOTH, drug  
effects/ NOREPINEPHRINE, pharmacodynamic  
\*PROSTAGLANDINS E, pharmacodynamics/  
PROSTAGLANDINS E, SYNTHETIC,  
pharmacodynamics/ SEROTONIN, pharmacodyn
2506. McIntosh D: Thyroid tumor. J R Coll Surg Edinb 23(5):201-2, Sep 78  
ADULT/ AGED/ FEMALE/ \*GOITER,  
NODULAR/ GOITER, NODULAR, pathology/  
GOITER, NODULAR, surgery/ HUMAN/ MA  
POSTOPERATIVE COMPLICATIONS/ THYROID  
GLAND, pathology/ \*THYROID NEOPLASM  
THYROID NEOPLASMS, pathology/ THYROID  
NEOPLASMS, surgery/ THYROIDECTOMY/  
THYROIDITIS, pathology
2507. McIntyre DC: Amygdala kindling and muricide in rats.  
Physiol Behav 21(1):49-56, Jul 78  
\*AMYGDALOID BODY, physiology/ ANIMAL  
\*APPETITIVE BEHAVIOR, physiology/ BRAIN  
MAPPING/ CONVULSIONS, etiology/ ELECTRO  
STIMULATION/  
ELECTROENCEPHALOGRAPHY/ MALE/ MICE  
\*PREDATORY BEHAVIOR, physiology/ RAT  
REACTION TIME, physiology
2508. McIntyre DC, Wann PD: Adrenalectomy: protection from  
kindled convulsion induced dissociation in rats.  
Physiol Behav 20(4):469-74, Apr 78  
\*ADRENALECTOMY/ \*AMNESIA, prevention  
control/ \*AMNESIA, RETROGRADE, prevent  
control/ AMNESIA, RETROGRADE, psycholo  
AMYGDALOID BODY/ ANIMAL/ \*AVOIDANCE  
LEARNING/ BODY WEIGHT/ \*CONVULSIONS,  
complications/ CONVULSIONS, psychology/ MA  
ORGAN WEIGHT/ RATS/ REACTION TIME



# AUTHOR SECTION

## RECALL

2509. MacIntyre I, Colston KW, Evans IM, et al: Regulation of vitamin D: an evolutionary view. *Clin Endocrinol (Oxf)* 5 Suppl:85S-95S, 1976  
AMANTINS, pharmacodynamics/ ANIMAL/  
CHICKENS/ \*CHOLECALCIFEROLS, metabolism/  
CHOLECALCIFEROLS, physiology/  
DACTINOMYCIN, pharmacodynamics/  
DIHYDROXYCHOLECALCIFEROLS, metabolism/  
DIHYDROXYCHOLECALCIFEROLS, physiology/  
ENZYME INDUCTION, drug effects/ KIDNEY,  
enzymology/ MOLECULAR CONFORMATION/  
PARATHYROID HORMONE, physiology/  
PHOSPHATES, physiology/ RNA, MESSENGER,  
biosynthesis/  
25-HYDROXYCHOLECALCIFEROL-1-HYDROX  
metabolism
2510. MacIntyre I, Colston KW, Szelke M, et al: A survey of the hormonal factors that control calcium metabolism. *Ann NY Acad Sci* 307:345-55, 28 Apr 78 (15 ref.)  
ANIMAL/ \*CALCIUM, metabolism/  
CHOLECALCIFEROLS, metabolism/  
DIHYDROXYCHOLECALCIFEROLS, metabolism/  
FEMALE/ HYPOPHYSECTOMY/ KIDNEY,  
secretion/ MALE/ PITUITARY GLAND, physiology/  
PREGNANCY/ \*PROLACTIN, metabolism/ RATS/  
REVIEW/ \*SOMATOTROPIN, metabolism/  
STRUCTURE-ACTIVITY RELATIONSHIP/  
\*VITAMIN D, metabolism/ VITAMIN D, secretion
2511. Mack JP, Slaytor MB: Affinity chromatography of an S-adenosylmethionine-dependent methyltransferase using immobilized S-adenosylhomocysteine. Purification of the indolethylamine N-methyltransferases of *phalaris tuberosa*. *J Chromatogr* 157:153-9, 21 Sep 78  
AUSTRALIA/ CHROMATOGRAPHY, AFFINITY/  
\*GRASSES/ \*METHYLTRANSFERASES, isolation  
& purification/ S-ADENOSYLHOMOCYSTEINE/  
S-ADENOSYLMETHIONINE/ SEROTONIN/  
TRYPTAMINES
2512. McKelvey GW: The role of the pituitary-adrenal system in the development of behavioural arousal. *Ir J Med Sci* 147 Suppl I:49-52, Aug 78  
ANIMAL/ \*BEHAVIOR, ANIMAL/ ONTOGENY/  
\*PITUITARY-ADRENAL SYSTEM, physiology/  
RATS
2513. McKenna TJ, Island DP, Nicholson WE, et al: Angiotensin stimulates cortisol biosynthesis in human adrenal cells in vitro. *Steroids* 32(1):127-36, Jul-Aug 78  
ADRENAL GLANDS, anatomy & histology/  
ADRENAL GLANDS, cytology/ ADRENAL  
GLANDS, drug effects/ \*ADRENAL GLANDS,  
metabolism/ ALDOSTERONE, biosynthesis/  
\*ANGIOTENSIN II, pharmacodynamics/  
DEXAMETHASONE, pharmacodynamics/ DRUG  
INTERACTIONS/ HUMAN/  
\*HYDROCORTISONE, biosynthesis/  
HYDROCORTISONE, blood/ IN VITRO/  
PREGNENOLONE, metabolism/ PROGESTERONE,  
metabolism/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
2514. McKenzie RM, Larson BL: Purification and partial characterization of a unique group of phosphoproteins from rat milk whey. *J Dairy Sci* 61(6):723-8, Jun 78  
AMINO ACIDS, analysis/ ANIMAL/ CHEMISTRY/  
ELECTROPHORESIS, DISC/ FEMALE/  
LACTATION/ MILK PROTEINS, biosynthesis/  
\*MILK PROTEINS, isolation & purification/ \*MILK,  
analysis/ MOLECULAR WEIGHT/  
PHOSPHOPROTEINS, biosynthesis/  
\*PHOSPHOPROTEINS, isolation & purification/  
PREGNANCY/ RATS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
2515. McLanham CS, Christy JH, Tindall GT: Anterior pituitary function before and after trans-sphenoidal microsurgical resection of pituitary tumors. *Neurosurgery* 3(2):142-5, Sep-Oct 78  
\*ADENOMA, surgery/ ADENOMA,  
CHROMOPHOBE, surgery/ ADENOMA,  
EOSINOPHILIC, surgery/ ADOLESCENCE/  
ADULT/ AGED/ FEMALE/ HUMAN/ MALE/  
MICROSURGERY/ MIDDLE AGE/ \*PITUITARY  
FUNCTION TESTS/ PITUITARY GLAND,  
ANTERIOR, physiology/ PITUITARY GLAND,  
ANTERIOR, surgery/ \*PITUITARY NEOPLASMS,  
surgery/ SPHENOID BONE, surgery
2516. McLarty DG, Ratcliffe WA, Ratcliffe JG, et al: A study of thyroid function in psychiatric in-patients. *Br J Psychiatry* 133:211-8, Sep 78  
ADOLESCENCE/ ADULT/ AGE FACTORS/  
AGED/ FEMALE/ HOSPITALS, PSYCHIATRIC/  
HUMAN/ HYPERTHYROIDISM, complications/  
HYPOTHYROIDISM, complications/ MALE/  
MENTAL DISORDERS, complications/ \*MENTAL  
DISORDERS, physiopathology/ MIDDLE AGE/  
\*THYROID GLAND, physiopathology/  
\*THYROXINE, blood/ \*TRIIODOTHYRONINE,  
blood
2517. McLaughlin MK, Brennan SC, Chez RA: Effects of indomethacin on sheep uteroplacental circulations and sensitivity to angiotensin II. *Am J Obstet Gynecol* 132(4):430-5, 15 Oct 78  
\*ANGIOTENSIN II, pharmacodynamics/ ANIMAL/  
BLOOD PRESSURE, drug effects/ FEMALE/  
FETUS, physiology/ \*INDOMETHACIN,  
pharmacodynamics/ \*PLACENTA, blood supply/  
PREGNANCY TRIMESTER, THIRD/  
PREGNANCY/ \*PROSTAGLANDINS, physiology/  
REGIONAL BLOOD FLOW, drug effects/ SHEEP/  
UMBILICAL VEINS, physiology/ \*UTERUS, blood  
supply/ VASCULAR RESISTANCE, drug effects/  
\*VASOCONSTRICTION, drug effects
2518. McLaughlin PJ, Zagon IS, White WJ: Perinatal methadone exposure in rats. Effects on body and organ development. *Biol Neonate* 34(1-2):48-54, 1978  
ANIMAL/ \*ANIMALS, NEWBORN, growth &  
development/ BODY WATER, drug effects/ FEMALE/  
WEIGHT, drug effects/ FEMALE/ \*FETUS, drug  
effects/ \*GROWTH, drug effects/ LACTATION/  
MATERNAL-FETAL EXCHANGE/  
\*METHADONE, toxicity/ ORGAN WEIGHT, drug  
effects/ PREGNANCY/ RATS/ UNITED STATES  
GOV'T SUPPORTED
2519. McLean AJ, du Souich P, Barron KW, et al: Interaction of hydralazine with tension development and mechanisms of calcium accumulation in K+-stimulated rabbit aortic strips. *J Pharmacol Exp Ther* 207(1):40-8, Oct 78  
AORTA, THORACIC/ BLOOD VESSELS, drug  
effects/ \*BLOOD VESSELS, metabolism/  
\*CALCIUM, metabolism/ CALCIUM,  
pharmacodynamics/ DRUG INTERACTIONS/  
\*HYDRALAZINE, pharmacodynamics/  
\*POTASSIUM, pharmacodynamics/ UNITED  
STATES GOV'T SUPPORTED, P.H.S./  
\*VASOCONSTRICTION, drug effects
2520. McLeish KR, Maxwell DR, Luft FC: Failure of plasma exchange and immunosuppression to improve renal function in Goodpasture's syndrome. *Clin Nephrol* 10(2):71-3, Aug 78  
ADULT/ AUTOANTIBODIES, analysis/  
BASEMENT MEMBRANE, immunology/ CASE  
REPORT/ \*CYCLOPHOSPHAMIDE, therapeutic  
use/ FEMALE/ GOODPASTURE'S SYNDROME,  
immunology/ GOODPASTURE'S SYNDROME,  
physiopathology/ \*GOODPASTURE'S SYNDROME,  
therapy/ HUMAN/ \*IMMUNOSUPPRESSIVE  
AGENTS, therapeutic use/ KIDNEY GLOMERULUS,  
immunology/ KIDNEY, physiopathology/  
\*PLASMAPHERESIS/ \*PREDNISONE, therapeutic  
use
2521. McLeod HA, Bennis G, Lewis D, et al: Detection of goitrin and its heptafluorobutryl derivative by gas-liquid chromatography with electron capture, electrolytic conductivity and sulfur detectors. *J Chromatogr* 157:285-90, 21 Sep 78  
ANIMAL/ BUTYRATES, analysis/ CATTLE/  
CHROMATOGRAPHY, GAS/  
CHROMATOGRAPHY, LIQUID/ ELECTRIC  
CONDUCTIVITY/ FEMALE/ MILK, analysis/  
SEEDS, analysis/ SULFUR/ \*THYROID  
ANTAGONISTS, analysis
2522. MacLeod NK, Mayer ML: Projection of the dorsal raphe nucleus on to identified preoptic neurones [proceedings] *J Physiol (Lond)* 281:27P-28P, Aug 78  
ACTION POTENTIALS/ ANIMAL/ \*BRAIN  
STEM, physiology/ FEMALE/ \*HYPOTHALAMUS,  
physiology/ NEURAL INHIBITION/ \*NEURONS,  
physiology/ \*PREOPTIC AREA, physiology/  
\*RAPHE NUCLEI, physiology/ RATS

# AUTHOR SECTION

2523. Macler J, Jacquetin B, Ehret C, et al: La surveillance échographique de l'induction de l'ovulation. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):746-9, Apr 78  
FEMALE/ HUMAN/ METHODS/ OVULATION INDUCTION/ \*OVULATION/ ULTRASONICS, diagnostic use
2524. McMullen HL, Sauer JR: The relationship of phosphodiesterase and cyclic AMP to the process of fluid secretion in the salivary glands of the ixodid tick *Amblyomma americanum*. *Experientia* 34(8):1030-31, 15 Aug 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ EATING/ FEMALE/ \*PHOSPHODIESTERASES, metabolism/ \*SALIVARY GLANDS, secretion/ SECRETORY RATE/ \*TICKS, physiology/ UNITED STATES GOV'T SUPPORTED
2525. McMurtry JP, Kwok SC, Bryant-Greenwood GD: Target tissues for relaxin identified in vitro with 125I-labelled porcine relaxin. *J Reprod Fertil* 53(2):209-16, Jul 78  
ANIMAL/ GUINEA PIGS/ MAMMAE, metabolism/ MICE/ PUBIC SYMPHYSIS, metabolism/ RATS/ \*RECEPTORS, HORMONE, metabolism/ \*RELAXIN, metabolism/ TEMPERATURE/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, metabolism
2526. McNamara JO: Muscarinic cholinergic receptors participate in the kindling model of epilepsy. *Brain Res* 154(2):415-20, 13 Oct 78  
AMYGDALOID BODY, physiopathology/ ANIMAL/ BINDING SITES/ \*CONVULSIONS, physiopathology/ ELECTRIC STIMULATION/ MALE/ PROTEIN BINDING/ QUINUCLIDINES, metabolism/ RADIOLIGAND ASSAY/ RATS/ \*RECEPTORS, CHOLINERGIC, physiology/ \*RECEPTORS, MUSCARINIC, physiology/ UNITED STATES GOV'T SUPPORTED
2527. (MacNaughton-Jones H), Classic pages in obstetrics and gynecology. Uterine fibroid with anomalous ovarian tumor. Henry MacNaughton-Jones Transactions of the Obstetrical Society of London, vol. 40, pp. 154 and 213-214, 1898. *Am J Obstet Gynecol* 132(4):471-2, 15 Oct 78  
\*BRENNER TUMOR, history/ CASE REPORT/ FEMALE/ \*GYNECOLOGY, history/ HISTORICAL ARTICLE/ HISTORICAL BIOGRAPHY/ HISTORY OF MEDICINE, 19TH CENT./ HUMAN/ IRELAND/ \*LEIOMYOMA, history/ LONDON/ MIDDLE AGE/ \*NEOPLASMS, MULTIPLE PRIMARY, history/ \*OVARIAN NEOPLASMS, history/ \*UTERINE NEOPLASMS, history
2528. McNeill JH, Verma SC: Histamine receptors in rabbit heart. *Proc West Pharmacol Soc* 21:99-101, 1978  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ FEMALE/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HEART RATE, drug effects/ \*HEART, drug effects/ IN VITRO/ MALE/ MYOCARDIAL CONTRACTION, drug effects/ MYOCARDIUM, metabolism/ RABBITS/ \*RECEPTORS, HISTAMINE H1, drug effects/ \*RECEPTORS, HISTAMINE H2, drug effects/ \*RECEPTORS, HISTAMINE, drug effects
2529. McNeill ME: Membranous structures in pinealocytes of the infertile diabetic mutant mouse (C 57 BL/Ks-db/db). *J Neural Transm* 42(3):207-21, 1978  
ANIMAL/ DIABETES MELLITUS, familial & genetic/ DIABETES MELLITUS, pathology/ GOLGI APPARATUS, ultrastructure/ INTRACELLULAR MEMBRANES, ultrastructure/ MICE/ \*MICE, MUTANT STRAINS, anatomy & histology/ PINEAL BODY, pathology/ \*PINEAL BODY, ultrastructure/ STERILITY, pathology
2530. McNeilly AS, Etches RJ, Friesen HG: A heterologous radioimmunoassay for avian prolactin: application to the measurement of prolactin in the turkey. *Acta Endocrinol (Copenh)* 89(1):60-9, Sep 78  
ANIMAL/ CHROMATOGRAPHY, GEL/ CROSS REACTIONS/ ESTRADIOL, pharmacodynamics/ FSH, blood/ IMMUNE SERUMS/ LH, blood/ PLACENTAL LACTOGEN, blood/ \*PROLACTIN, blood/ PROLACTIN, immunology/ \*RADIOIMMUNOASSAY, methods/ SOMATOTROPIN, blood/ THYROTROPIN, blood/
- \*TURKEYS, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2531. McNulty JA: The pineal of the troglomorphic fish, *Chologagassizi*: an ultrastructural study. *J Neural Transm* 43(1):47-71, 1978  
\*FISHES, anatomy & histology/ HUMAN/ PHOTORECEPTORS, ultrastructure/ \*PINEAL BODY, ultrastructure
2532. McQueen EG: Hormonal steroid contraceptives: a further review of adverse reactions. *Drugs* 16(4):322-57, Oct 78 (ref.)  
AGE FACTORS/ ANIMAL/ BLOOD COAGULATION, drug effects/ CEREBROVASCULAR DISORDERS, chemically induced/ \*CONTRACEPTIVES, ORAL, adverse effects/ \*CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ CORONARY DISEASE, chemically induced/ FOLIC ACID, metabolism/ HEPATITIS TOXIC, etiology/ HUMAN/ HYPERTENSION, chemically induced/ METABOLISM, drug effects/ MYOCARDIAL INFARCTION, chemically induced/ NEOPLASMS, chemically induced/ PROGESTATIONAL HORMONES, pharmacodynamics/ REVIEW/ SKIN, drug effects/ SMOKING/ TERATOGENS/ THROMBOEMBOLISM, chemically induced/ THROMBOEMBOLISM, mortality/ TIME FACTORS/ VITAMIN B 12, metabolism
2533. Madden JD, Boyar RM, MacDonald PC, et al: Analysis of secretory patterns of prolactin and gonadotropins during twenty-four hours in a lactating woman before and after resumption of menses. *Am J Obstet Gynecol* 132(4):431-4, 15 Oct 78  
ADULT/ AMENORRHEA, physiopathology/ CASE REPORT/ FEMALE/ \*FSH, blood/ HUMAN/ \*LACTATION/ \*LH, blood/ \*MENSTRUATION/ \*PROLACTIN, blood/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2534. Madden JD, Gant NF, MacDonald PC: Study of the kinetics of conversion of maternal plasma dehydroisoandrosterone sulfate to 16 alpha-hydroxydehydroisoandrosterone sulfate, and estradiol. *Am J Obstet Gynecol* 132(4):391-4, 15 Oct 78  
\*DEHYDROEPIANDROSTERONE, analogs & derivatives/ \*DEHYDROEPIANDROSTERONE, blood/ \*ESTRADIOL, blood/ \*ESTRIOL, blood/ FEMALE/ HUMAN/ \*PLACENTA, blood supply/ \*PREGNANCY/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2535. Madden JD, Milewich L, Parker CR Jr, et al: The effect of oral contraceptive treatment on the serum concentration of dehydroisoandrosterone sulfate. *Am J Obstet Gynecol* 132(4):380-4, 15 Oct 78  
\*ADRENAL CORTEX, drug effects/ ADRENAL CORTEX, secretion/ \*DEHYDROEPIANDROSTERONE, blood/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ \*MESTRANOL, pharmacodynamics/ \*NORETHINDRONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2536. Maeda A, Toyota M, Ichikawa T, et al: [Effects of ether-nitrous oxide anesthesia and surgery on plasma concentration of testosterone and luteinizing hormone in man (author's transl.)] *Masui* 27(7):727-33, Jul 78 (Eng. Abstr.)  
ADULT/ \*ANESTHESIA, INHALATION/ ENGLISH ABSTRACT/ \*ETHER, ETHYL/ \*ETHYL ETHERS/ HUMAN/ \*LH, blood/ MIDDLE AGE/ \*NITROUS OXIDE/ \*SURGERY, OPERATIVE/ \*TESTOSTERONE, blood
2537. Maekawa K: [Seckel's syndrome and Hallermann-Streiff syndrome] *Nippon Rinsho Suppl*:1470-1, May 78  
DWARFISM/ \*HALLERMANN'S SYNDROME/ HUMAN/ \*MANDIBULOFACIAL DYSOSTOSIS/ \*MICROCEPHALY/ SYNDROME
2538. Maggiore Q, Biagini M, Zoccali C, et al: Long-term propranolol treatment of resistant arterial hypertension in haemodialysed patients. *Clin Sci Mol Med* 48 Suppl 2:73s-75s, Jun 75  
ADULT/ CLINICAL RESEARCH/ CLONIDINE, therapeutic use/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG THERAPY, COMBINATION/ FEMALE/ \*HEMODIALYSIS/ HUMAN/ HYPERTENSION, blood/



## AUTHOR SECTION

- \*HYPERTENSION, drug therapy/ MALE/  
\*PROPRANOLOL, therapeutic use/ RENIN, blood/  
TIME FACTORS
39. Maguire ME, Erdos JJ: Magnesium but not calcium accumulation is inhibited by beta-adrenergic stimulation in S49 lymphoma cells. *J Biol Chem* 253(19):6633-6, 10 Oct 78
- \*BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ \*CALCIUM, metabolism/ CELL LINE/  
\*ISOPROTERENOL, pharmacodynamics/  
KINETICS/ \*MAGNESIUM, metabolism/  
OUABAIN, pharmacodynamics/ \*PROPRANOLOL, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED
40. Mahaffey MB, Yarbrough KM, Munnell JF: Focal loss of pigment in the Belgian Tervuren dog. *J Am Vet Med Assoc* 173(4):390-6, 15 Aug 78
- ANIMAL/ CORTICOTROPIN, therapeutic use/  
\*DOG DISEASES/ DOG DISEASES, drug therapy/  
DOG DISEASES, pathology/ DOGS/ FEMALE/  
GINGIVA, pathology/ LIP, pathology/ MALE/  
PIGMENTATION DISORDERS, drug therapy/  
PIGMENTATION DISORDERS, pathology/  
\*PIGMENTATION DISORDERS, veterinary/ SKIN, pathology/ VITAMINS, therapeutic use/ ZINC, therapeutic use
41. Mahler HR, Lin CC: Exogenous adenosine 3': 5'-monophosphate can release yeast from catabolite repression. *Biochem Biophys Res Commun* 83(3):1039-47, 14 Aug 78
- \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ \*ALCOHOL, ETHYL, pharmacodynamics/ AMINOLEVULINIC ACID DEHYDRATASE, metabolism/ AMINOLEVULINIC ACID SYNTHETASE, metabolism/ ENZYME REPRESSION/ FLUORIDES, pharmacodynamics/ SACCHAROMYCES CEREVISIAE, drug effects/ \*SACCHAROMYCES CEREVISIAE, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
42. Maickel RP, Bosin TR, Donelson AC, et al: Structure-activity relationships in compounds analogous to 5,6-dihydroxytryptamine. *Ann NY Acad Sci* 305:134-46, 12 Jun 78
- ANIMAL/ BEHAVIOR, ANIMAL, drug effects/  
BRAIN, drug effects/ BRAIN, metabolism/ MALE/  
MYOCARDIUM, metabolism/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism/  
SPLEEN, drug effects/ SPLEEN, metabolism/  
STRUCTURE-ACTIVITY RELATIONSHIP/  
UNITED STATES GOV'T SUPPORTED/  
\*5,6-DIHYDROXYTRYPTAMINE, analogs & derivatives/ 5,6-DIHYDROXYTRYPTAMINE, pharmacodynamics
43. Mailman RB, Mueller RA, Breese GR: The effect of drugs which alter GABA-ergic function on cerebellar guanosine-3',5'-monophosphate content. *Life Sci* 23(6):623-7, 14 Aug 78
- ANIMAL/ APOMORPHINE, pharmacodynamics/  
BACLOFEN, pharmacodynamics/ CEREBELLUM, drug effects/ \*CEREBELLUM, metabolism/ DRUG INTERACTIONS/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/  
\*GABA, physiology/ MALE/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
44. Mainard F, Bousquet B, Speich M, et al: Les rythmes biologiques chez l'homme. Leur incidence en endocrinologie. *Pathol Biol (Paris)* 26(5):255-64, May-Jun 78 (93 ref.) (Eng. Abstr.)
- ADOLESCENCE/ ADULT/ ALDOSTERONE, secretion/ ANDROGENS, secretion/  
CATECHOLAMINES, secretion/ \*CIRCADIAN RHYTHM/ CORTICOTROPIN, secretion/ ENGLISH ABSTRACT/ ESTROGENS, secretion/ FEMALE/ GONADOTROPINS, secretion/ \*HORMONES, secretion/ HUMAN/ HYDROCORTISONE, secretion/ INSULIN, secretion/ MALE/ MIDDLE AGE/ PREGNANCY/ PROLACTIN, secretion/ REVIEW/ SOMATOTROPIN, secretion/ THYROID HORMONES, secretion
45. Maj J, Sowińska H, Baran L, et al: The central antiserotonic action of mianserin. *Psychopharmacology (Berlin)* 59(1):79-84, 15 Sep 78
- ANIMAL/ BEHAVIOR, ANIMAL, drug effects/  
BODY TEMPERATURE, drug effects/  
\*DIBENZAZEPINES, pharmacodynamics/  
HINDLIMB, drug effects/ LYSERGIC ACID DIETHYLAMIDE, pharmacodynamics/ MALE/  
\*MIANSERIN, pharmacodynamics/ MICE/  
OXOTREMORINE, pharmacodynamics/  
QUIPAZINE, pharmacodynamics/ RABBITS/ RATS/  
REFLEX, drug effects/ \*SEROTONIN ANTAGONISTS/ SEROTONIN/ TIME FACTORS
2546. Májský A, Abrahámová J: Inhibition of absorption capacity of HLA antigens on in vitro hormone-treated lymphocytes. *Folia Haematol (Leipz)* 105(3):302-5, 1978
- \*CYTOTOXICITY, IMMUNOLOGIC, drug effects/  
DIETHYLSTILBESTROL, pharmacodynamics/  
HORMONES, SYNTHETIC, pharmacodynamics/  
HUMAN/ \*HYDROCORTISONE, pharmacodynamics/ HYDROXYPROGESTERONES, pharmacodynamics/ \*HL-A ANTIGENS/ ISOANTIBODIES/ \*LYMPHOCYTES, drug effects/  
NANDROLONE, pharmacodynamics/  
TESTOSTERONE, pharmacodynamics
2547. Majumder GC: Occurrence of a cyclic AMP-dependent protein kinase on the outer surface of rat epididymal spermatozoa. *Biochem Biophys Res Commun* 83(3):829-36, 14 Aug 78
- \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ DRUG STABILITY/  
ENZYME ACTIVATION/ EPIDIDYMIS/  
\*HISTONE KINASE, metabolism/ KINETICS/  
MALE/ \*PROTEIN KINASE, metabolism/ RATS/  
\*SPERMATOZOA, enzymology
2548. Makarchenko AF, Zlatin RS, Roitrub BA, et al: K izucheniiu nekotorykh mekhanizmov gipotalamo-kortikal'nykh vlianii. *Fiziol Zh* 24(5):609-19, Sep-Oct 78 (Eng. Abstr.) (Rus)
- ANIMAL/ BRAIN MAPPING/ ENGLISH ABSTRACT/ \*HYPOTHALAMUS, physiology/  
\*HYPOTHALAMUS, POSTERIOR, physiology/  
\*MOTOR CORTEX, physiology/ NEURAL PATHWAYS, physiology/ RABBITS
2549. Makarchenko AF: Gipotalamus i ego rol' v mekhanizmkh voskhodiaschchikh i niskhodiaschchikh vlianii. *Fiziol Zh* 24(5):579-88, Sep-Oct 78 (41 ref.) (Eng. Abstr.) (Rus)
- AUTONOMIC NERVOUS SYSTEM, physiology/  
BRAIN DISEASES, immunology/ BRAIN DISEASES, physiopathology/ BRAIN MAPPING/ CEREBRAL CORTEX, physiology/ ENGLISH ABSTRACT/ HUMAN/ HYPOTENSION, physiopathology/  
HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ \*HYPOTHALAMUS, physiology/  
MAMMARY BODIES, physiology/ NEURAL ANALYZERS, physiology/ NEURAL PATHWAYS, physiology/ RETICULAR FORMATION, physiology/  
REVIEW/ SYNDROME/ TEGMENTUM MESENCEPHALI, physiology/ VISUAL CORTEX, physiology
2550. Mäkinen T, Wägar G, Apter L, et al: Evidence that the TSH receptor acts as a mitogenic antigen in Graves' disease. *Nature* 275(5678):314-5, 28 Sep 78
- ADULT/ AGED/ \*ANTIGENS/  
\*AUTOANTIGENS/ CELL MEMBRANE, immunology/ FEMALE/ \*GOITER, EXOPHTHALMIC, immunology/ GOITER, NODULAR, immunology/ HUMAN/ IMMUNE TOLERANCE/ \*LYMPHOCYTE TRANSFORMATION/ MALE/ MIDDLE AGE/  
\*RECEPTORS, HORMONE, immunology/  
THYROID GLAND, immunology/ \*THYROTROPIN, immunology
2551. Makotchenko VM, Malinina-Putsenko VP, Vasilchenko RP, et al: Sostoianie simpatiko-adrenalovoi sistemy u rabochikh, podvergaiushchikhsia dlitel'nomu vozdeistviu intensivnogo proizvodstvennogo shukma (po dannym ékskretsii katekholaminov s mochoi). *Gig Tr Prof Zabol* (8):31-5, Aug 78 (Eng. Abstr.) (Rus)
- ACOUSTIC NERVE DISEASES, physiopathology/  
\*ADRENAL GLANDS, physiopathology/ ADULT/ CENTRAL NERVOUS SYSTEM DISEASES, physiopathology/ ENGLISH ABSTRACT/  
\*EPINEPHRINE, urine/ HUMAN/ MIDDLE AGE/  
\*NOISE/ \*NOISE, OCCUPATIONAL/  
\*NOREPINEPHRINE, urine/ \*SYMPATHETIC NERVOUS SYSTEM, physiopathology/ TIME FACTORS

# AUTHOR SECTION

2552. Makris A, Ryan KJ: Cyclic AMP and cyclic GMP accumulation by isolated hamster granulosa cells stimulated by LH and FSH. *Acta Endocrinol (Copenh)* 89(1):173-81, Sep 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CELL SEPARATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ \*FSH, pharmacodynamics/ \*GRANULOSA CELLS, metabolism/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HAMSTERS/ \*LH, pharmacodynamics/ PROESTRUS/ STIMULATION, CHEMICAL/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2553. Maksimova MV: Steroidy i diabet. *Med Sestra* 37(7):31-2, Jul 78 (Rus)  
\*DIABETES INSIPIDUS/ \*DIABETES MELLITUS, chemically induced/ \*GLUCOCORTICOIDS, adverse effects/ HUMAN
2554. Maksimova MV: Metody funktsional'nogo issledovaniia kopu nadpocheknikov v klinike endokrinnykh zabolevanii. *Med Sestra* 37(7):32-5, Jul 78 (Rus)  
\*ADRENAL CORTEX FUNCTION TESTS/ \*ENDOCRINE DISEASES, metabolism/ HUMAN/ \*PITUITARY-ADRENAL FUNCTION TESTS
2555. Makuria T: Surgical goitre in Ethiopia. *Ethiop Med J* 15(4):169-72, Oct 77  
ADOLESCENCE/ ADULT/ CHILD/ ETHIOPIA/ FEMALE/ \*GOITER, surgery/ HUMAN/ MALE/ MIDDLE AGE/ THYROID NEOPLASMS, surgery/ THYROIDECTOMY
2556. Malaisse WJ, Couturier E: Ionophoretic model for Na-Ca counter transport. *Nature* 275(5681):664-5, 19 Oct 78  
BIOLOGICAL TRANSPORT/ \*CALCIUM, metabolism/ \*CELL MEMBRANE, metabolism/ IONTOPHORESIS/ LASALOCID/ \*MODELS, BIOLOGICAL/ \*SODIUM, metabolism
2557. Malaisse WJ, Herchuelz A, Devis G, et al: Regulation of calcium fluxes and their regulatory roles in pancreatic islets. *Ann NY Acad Sci* 307:562-82, 28 Apr 78 (77 ref.)  
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ \*CALCIUM, metabolism/ CATIONS/ GLUCOSE, metabolism/ GLUCOSE, pharmacodynamics/ IN VITRO/ INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ \*ISLANDS OF LANGERHANS, metabolism/ MEMBRANE POTENTIALS/ REVIEW/ SUBCELLULAR FRACTIONS, metabolism/ TIME FACTORS/ VITAMIN K, pharmacodynamics
2558. Malendowicz LK, Fichna P: Sex differences in adrenocortical structure and function. IV. Effects of postpubertal gonadectomy and sex hormones on adrenal steroid 5 $\alpha$ -reductase activity in the rat. *Endokrinologie* 72(1):36-42, Apr 78  
\*ADRENAL CORTEX, physiology/ ADRENAL GLANDS, enzymology/ ANIMAL/ CASTRATION/ ESTRADIOL, pharmacodynamics/ FEMALE/ MALE/ ORGAN WEIGHT/ \*OXIDOREDUCTASES, metabolism/ RATS/ SEMINAL VESICLES, drug effects/ SEMINAL VESICLES, physiology/ SEX FACTORS/ \*SEX MATURATION/ \*TESTOSTERONE 5- $\alpha$ -REDUCTASE, metabolism/ TESTOSTERONE, pharmacodynamics/ UTERUS, drug effects/ UTERUS, physiology
2559. Males JL, Kem DC: Concurrent hyperthyroidism and hyperparathyroidism: report of two cases. *J Okla State Med Assoc* 71(10):382-5, Oct 78  
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ \*HYPERPARATHYROIDISM, complications/ \*HYPERTHYROIDISM, complications/ MALE/ MIDDLE AGE
2560. Males JL: Pituitary disease: the endocrinologist's view. *J Okla State Med Assoc* 71(8):311-4, Aug 78  
FEMALE/ HUMAN/ MALE/ PITUITARY DISEASES, classification/ \*PITUITARY DISEASES, diagnosis/ PITUITARY DISEASES, drug therapy/ PITUITARY FUNCTION TESTS
2561. Malkinson AM, Hogy L, Gharrett AJ, et al: Ontogenetic studies of cyclic AMP-dependent protein kinase enzymes from mouse heart and other tissues. *J Exp Zool* 205(3):423-31, Sep 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ ANIMALS, NEWBORN/ BRAIN, enzymology/ COMPARATIVE STUDIES/ \*ISOENZYMES, metabolism/ LIVER, enzymology/ LUNG, enzymology/ \*MYOCARDIUM, enzymology/ \*PROTEIN KINASE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2562. Malkinson FD, Keane JT: Hair matrix cell kinetics: a review. *Int J Dermatol* 17(7):536-51, Sep 78 (87 ref.)  
ALOPECIA, etiology/ ANDROGENS, physiology/ ANIMAL/ CELL CYCLE/ FEMALE/ HAIR REMOVAL/ \*HAIR, cytology/ HAIR, drug effects/ HAIR, growth & development/ HAIR, radiation effects/ HIRsutism, etiology/ HUMAN/ KINETICS/ MALE/ MICE/ MITOSIS/ NUTRITION/ PROTEIN-CALORIE MALNUTRITION, complications/ RATS/ REVIEW
2563. Mallet E, Basuyau JP, Brunelle P, et al: Neonatal parathyroid secretion and renal receptor maturation in premature rats. *Biol Neonate* 33(5-6):304-8, 1978  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ URINE/ BODY WEIGHT/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ \*INFANT, PREMATURE/ KIDNEY, growth & development/ \*KIDNEY, physiology/ & development/ KIDNEY, physiology/ MALE/ PARATHYROID HORMONE, blood/ \*PARATHYROID HORMONE, secretion/ PHOSPHATES, urine/ \*RECEPTORS, HORMONES, physiology
2564. Malpas JS, Parker D: Drugs for myeloma [letter] *Br Med J* 2(6136):563, 19 Aug 78  
CYCLOPHOSPHAMIDE, therapeutic use/ DRUG THERAPY, COMBINATION/ HUMAN/ MELPHALAN, therapeutic use/ \*MULTIPLE MYELOMA, drug therapy/ PREDNISOLONE, therapeutic use/ VINCRISTINE, therapeutic use
2565. Malpuech G, Gaillard G, Gaulme J, et al: Hypothyroidisme transitoire chez huit nouveau-nés de petit poids de naissance. Rôle de l'application cutanée de produits iodés. *Arch Fr Pediatr* 35(6):620-30, Jun-Jul 78 (Eng. A)  
ADMINISTRATION, TOPICAL/ ANTI-INFECTIVE AGENTS, LOCAL, adverse effects/ ENGLISH ABSTRACT/ HUMAN/ HYPOTHYROIDISM, blood/ \*HYPOTHYROIDISM, chemically induced/ \*INFANT, LOW BIRTH WEIGHT/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, blood/ \*INFANT, NEWBORN, DISEASES, chemically induced/ IODINE, administration & dosage/ \*IODINE, administration & dosage/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood
2566. Malsbury CW, Strull D, Daoud J: Half-cylinder cuts antero-lateral to the ventromedial nucleus reduce sex receptivity in female golden hamsters. *Physiol Behav* 21(1):79-87, Jul 78  
AGONISTIC BEHAVIOR, physiology/ ANIMAL/ BODY WEIGHT/ BRAIN MAPPING/ FEMALE/ HAMSTERS/ \*HYPOTHALAMUS, physiology/ \*HYPOTHALAMUS, MEDIAL, physiology/ MESOCRETICUS/ \*SEX BEHAVIOR, ANIMAL/ physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2567. Mal'yi VP, Somov OG: Funktsional'noe sostoianie kory nadpocheknikov u bol'nykh Dal'nevostochnoi skarl'atipodobnoi likhoradkoj (psidotuberkulezom). *Klin Med (Mosk)* 56(8):100-1, Aug 78  
\*ADRENAL CORTEX, physiopathology/ ELECTROLYTES, blood/ HUMAN/ \*PSEUDOTUBERCULOSIS, YERSINIA, physiopathology/ \*YERSINIA INFECTIONS, physiopathology/ 17-HYDROXYCORTICOSTEROIDS, blood
2568. Manankova NM, Shvetsov SV, Argutinskaja SV, et al: Biotransformatsiya kholesterina i myshej linii SWR s nasledstvenno klerozom i vliianie na eti protsessy induktor a mnogoselevykh oksidaz mkrosom. *Biokhimiia* 43(7):123-127, Jul 78 (Eng. Abstr.)  
ANIMAL/ \*ARTERIOSCLEROSIS, metabolism/ ATHEROSCLEROSIS, familial & genetic/ \*ATHEROSCLEROSIS, metabolism/ CHOLESTEROL, blood/ \*CHOLESTEROL, metabolism/ CHOLESTEROL-7-HYDROXYLASE, metabolism/ ENGLISH ABSTRACT/ ENZYME



## AUTHOR SECTION

INDUCTION/ FEMALE/ LIPOPROTEINS, blood/  
LIVER, metabolism/ MALE/ MICE/ MICE, INBRED  
STRAINS/ MICROSOMES, LIVER, drug effects/  
MICROSOMES, LIVER, enzymology/  
PREGNENOLONE, analogs & derivatives/  
PREGNENOLONE, pharmacodynamics/ RATS

Manawadu BR, Swanson GD: Apneic threshold in  
intra-operative anesthesia. *Adv Exp Med Biol* 99:135-42,  
1978

\*ANESTHESIA, GENERAL, methods/ \*APNEA,  
chemically induced/ \*CARBON DIOXIDE/ CARBON  
DIOXIDE, blood/ COMPARATIVE STUDY/  
CRANIOTOMY/ HUMAN/ KIDNEY,  
transplantation/ LAMINECTOMY/ NEUROMA,  
ACOUSTIC, surgery/ NEUROMUSCULAR  
BLOCKING AGENTS/ \*RESPIRATION/  
RESPIRATORS/ RESPIRATORY CENTER, drug  
effects/ THYROIDECTOMY

Mancuso AA, Calcaterra TC, Hanafee WN: Computed  
tomography of the larynx. *Radiol Clin North Am*  
16(2):195-208, Aug 78

CARTILAGE, anatomy & histology/ GLOTTIS,  
anatomy & histology/ HUMAN/ LARYNGECTOMY/  
LARYNX, anatomy & histology/ \*LARYNX,  
radiography/ THYROID GLAND, anatomy &  
histology/ \*TOMOGRAPHY, COMPUTERIZED  
AXIAL/ TOMOGRAPHY, COMPUTERIZED  
AXIAL, methods

Mandache FL, Poenaru A, Pambuccian G, et al: The role of  
the adrenal medulla in the psychosomatic activity and  
reactivity to stresses. *Endocrinologie* 16(3):171-8, Jul-Sep  
78

ADRENAL CORTEX FUNCTION TESTS/  
\*ADRENAL MEDULLA, physiology/ ADRENAL  
MEDULLA, physiopathology/ ADULT/ ANIMAL/  
CORTICOTROPIN, pharmacodynamics/ DOGS/  
DUODENAL ULCER, physiopathology/  
EPINEPHRINE, blood/ HUMAN/ MIDDLE AGE/  
\*PSYCHOPHYSIOLOGIC DISORDERS,  
physiopathology/ RATS/ \*STRESS,  
PSYCHOLOGICAL, physiopathology

Mandelin M: Termination of early pregnancy by a single-dose  
3.0 mg 15-methyl PGF<sub>2</sub>alpha methyl ester vaginal  
suppository. *Prostaglandins* 16(1):143-52, Jul 78

\*ABORTIFACIENT AGENTS/ \*ABORTIFACIENT  
AGENTS, NON-STEROIDAL/ ADOLESCENCE/  
ADULT/ ENDOMETRIUM, pathology/ FEMALE/  
GONADOTROPINS, CHORIONIC, blood/ HUMAN/  
NECROSIS/ OVULATION/ PAIN, chemically  
induced/ PREGNANCY/ PROGESTERONE, blood/  
PROSTAGLANDINS E, SYNTHETIC, administration  
& dosage/ PROSTAGLANDINS E, SYNTHETIC,  
adverse effects/ \*PROSTAGLANDINS E,  
SYNTHETIC, pharmacodynamics/ SUPPOSITORIES/  
TIME FACTORS/ VAGINA

Mandelin M, Rutanen EM, Heikinheimo M, et al:  
Pregnancy-specific beta-1-glycoprotein and chorionic  
gonadotropin levels after first-trimester abortions.  
*Obstet Gynecol* 52(3):314-7, Sep 78

\*ABORTION, INDUCED/ \*BETA GLOBULINS,  
analysis/ FEMALE/ GLYCOPROTEINS, blood/  
\*GONADOTROPINS, CHORIONIC, blood/  
HUMAN/ PREGNANCY TRIMESTER, FIRST/  
\*PREGNANCY/ PROSTAGLANDINS F,  
SYNTHETIC, administration & dosage/  
PROSTAGLANDINS F, SYNTHETIC, therapeutic  
use/ RADIOIMMUNOASSAY/ SUPPOSITORIES/  
TIME FACTORS/ VAGINA

Mandlker L: A sterile surgical procedure for feline castration  
(a photographic essay). *VM SAC* 73(7):904-5, Jul 78  
ANIMAL/ ASEPSIS/ CASTRATION, methods/  
\*CASTRATION, veterinary/ \*CATS, surgery/ MALE

Mandi A, Barcsa C: Anwendung des Knochenzementes bei der  
chirurgischen Behandlung von Knochentumoren. (Ger)  
*Z Orthop* 116(4):532, Aug 78

\*BONE AND BONES, surgery/ \*BONE CEMENTS,  
therapeutic use/ \*BONE NEOPLASMS, surgery/  
HUMAN

Mandlekar A, Vaidya P, Motashaw N, et al: Oral  
contraceptives—acceptability and side effects with  
combination pills. *J Obstet Gynaecol India* 28(2):296-300,  
Apr 78

ADULT/ \*CONTRACEPTIVES, ORAL/

\*CONTRACEPTIVES, ORAL, COMBINED/ DRUG  
EVALUATION/ EDUCATION/ FEMALE/  
HUMAN/ MENSTRUATION, drug effects

2577. Mangal PC, Sohal JS: Trace element analysis of rat tissues  
by neutron activation technique without chemical separation.  
*Indian J Exp Biol* 16(6):685-8, Jun 78

ANIMAL/ \*KIDNEY, analysis/ \*LIVER, analysis/  
MALE/ NEUTRON ACTIVATION ANALYSIS,  
methods/ RATS/ \*TESTIS, analysis/ \*TRACE  
ELEMENTS, analysis

2578. Mangat HK, Chhina GS, Singh B, et al: Influence of gonadal  
hormones and genital afferents on EEG activity of the  
hypothalamus in adult male rhesus monkeys.  
*Physiol Behav* 20(4):377-84, Apr 78

ANIMAL/ BRAIN MAPPING/ \*CASTRATION/  
CEREBRAL CORTEX, physiology/  
ELECTROENCEPHALOGRAPHY/  
\*HYPOTHALAMUS, physiology/ MALE/ \*PENIS,  
innervation/ RHESUS MONKEYS/  
\*TESTOSTERONE, pharmacodynamics

2579. Man'kovskii NB, Belonog RP, Karaban' IN: Funktsional'nai  
aktivnost' stvolovo-gipotalamicheskikh obrazovani mozga  
po dannym orientirovochnogo refleksa u lits raznogo  
vozrasta. *Fiziol Zh* 24(5):634-40, Sep-Oct 78 (Eng. Abstr.)  
(Rus)

ADULT/ AGE FACTORS/ AGED/ \*BRAIN STEM,  
physiology/ COMPARATIVE STUDY/ ENGLISH  
ABSTRACT/ HUMAN/ \*HYPOTHALAMUS,  
physiology/ MIDDLE AGE/ \*ORIENTATION,  
physiology/ \*REFLEX, physiology

2580. Manku MS, Horrobin DF, Cunnane SC, et al: Prostaglandins  
E1, E2 and I2: evidence for three distinct actions in vascular  
smooth muscle. *Biochem Biophys Res Commun* 83(1):295-9,  
14 Jul 78

ANGIOTENSIN II, pharmacodynamics/ ANIMAL/  
MALE/ MESENTERIC ARTERIES/ \*MUSCLE  
CONTRACTION, drug effects/ MUSCLE, SMOOTH,  
drug effects/ \*MUSCLE, SMOOTH, physiology/  
NOREPINEPHRINE, pharmacodynamics/  
POTASSIUM, pharmacodynamics/  
\*PROSTAGLANDINS E, pharmacodynamics/  
\*PROSTAGLANDINS X, pharmacodynamics/  
\*PROSTAGLANDINS, pharmacodynamics/ RATS

2581. Manna CK: Adrenocortical responses to sex hormonal  
administration in three avian species: the parakeet *Psittacula*  
*krameri*, the quail *Coturnix coturnix* & the common Myna  
*acridotheres tristis*. *Indian J Exp Biol* 16(6):645-7, Jun 78

\*ADRENAL CORTEX, drug effects/ ANIMAL/  
\*BIRDS, physiology/ \*COTURNIX, physiology/  
\*DEHYDROEPIANDROSTERONE,  
pharmacodynamics/ \*ESTRADIOL,  
pharmacodynamics/ \*PARAKEETS, physiology/  
\*PSITTACINES, physiology/ \*QUAIL, physiology

2582. Männistö PT, Ranta T: Neurotransmitter control of  
thyrotrophin secretion in hypothyroid rats.

*Acta Endocrinol (Copenh)* 89(1):100-7, Sep 78

P-CHLOROPHENYLALANINE, pharmacodynamics/  
ANIMAL/ APOMORPHINE, pharmacodynamics/  
CLONIDINE, pharmacodynamics/  
DIETHYLDITHIOCARBAMATE,  
pharmacodynamics/ HYDROXYTRYPTOPHAN,  
pharmacodynamics/ \*HYPOTHYROIDISM,  
physiopathology/ MALE/ METHYLTYROSINES,  
pharmacodynamics/ \*NEUROHUMORS, physiology/  
PHENOXYBENZAMINE, pharmacodynamics/  
PIMOZIDE, pharmacodynamics/ PIRIBEDIL,  
pharmacodynamics/ \*PITUITARY GLAND,  
ANTERIOR, secretion/ RATS/ RECEPTORS,  
ADRENERGIC, drug effects/ RECEPTORS,  
DOPAMINE, drug effects/ RECEPTORS,  
SEROTONIN, drug effects/ THYROID GLAND, drug  
effects/ THYROTROPIN, blood/ \*THYROTROPIN,  
secretion/ TRYPTOPHAN, pharmacodynamics/  
2-BROMOERGOCRYPTINE, pharmacodynamics

2583. Mansour A, Nelson DS: Effect of hydrocortisone on the  
response of rat lymphocytes to phytohaemagglutinin.  
*Aust J Exp Biol Med Sci* 56(3):301-11, Jun 78

ANIMAL/ ANTIBODY FORMATION, drug effects/  
BLOOD/ DOSE-RESPONSE RELATIONSHIP,  
DRUG/ \*HYDROCORTISONE, pharmacodynamics/  
IN VITRO/ \*LECTINS, pharmacodynamics/  
LEUKOCYTE COUNT/ \*LYMPHOCYTES, drug  
effects/ LYMPHOCYTES, metabolism/  
\*METHYLPREDNISOLONE, pharmacodynamics/



# AUTHOR SECTION

- RATS/ RATS, INBRED STRAINS/ SPLEEN, cytology/ THYMIDINE, metabolism
2584. **Maraña González G, Garay Salas E, Marin Rojas MC, et al:** Significado clínico de las determinaciones basales de TSH y su respuesta a la TRH en el estudio de los pacientes hipertiroides tratados con 131I. *Rev Clin Esp* 149(5):429-33, 15 Jun 78 (Eng. Abstr.) (Spa)  
ADULT/ AGED/ ENGLISH ABSTRACT/ HUMAN/ \*HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, radiotherapy/ IODINE RADIOISOTOPES, therapeutic use/ MIDDLE AGE/ \*THYROID GLAND, physiology/ \*THYROTROPIN RELEASING HORMONE, pharmacodynamics/ \*THYROTROPIN, secretion
2585. **Marchetta FC, Sako K:** The diagnosis of thyroid carcinoma during the postoperative period after less than total thyroidectomy. *Am J Surg* 136(4):455-6, Oct 78  
\*ADENOCARCINOMA, diagnosis/ ADENOCARCINOMA, surgery/ HUMAN/ NEOPLASM RECURRENCE, LOCAL/ \*THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, surgery/ \*THYROIDECTOMY
2586. **Marchetto DJ, Li FP, Meadows AT:** Cancer in parents of children with leukemia [letter] *J Pediatr* 93(3):537, Sep 78  
FEMALE/ HUMAN/ \*LEUKEMIA, familial & genetic/ MALE/ \*NEOPLASMS, RADIATION-INDUCED, occurrence/ PROBABILITY/ \*RADIATION, adverse effects/ \*THYROID NEOPLASMS, etiology
2587. **Marchevsky AM, Kaneko M:** Bilateral ovarian endometriosis associated with carcinosarcoma of the right ovary and endometrioid carcinoma of the left ovary. *Am J Clin Pathol* 70(4):709-12, Oct 78  
\*ADENOCARCINOMA, complications/ ADENOCARCINOMA, pathology/ ADULT/ \*CARCINOSARCOMA, complications/ CARCINOSARCOMA, pathology/ CASE REPORT/ \*ENDOMETRIOSIS, complications/ ENDOMETRIOSIS, pathology/ FEMALE/ HUMAN/ NEOPLASMS, MULTIPLE PRIMARY/ \*OVARIAN NEOPLASMS, complications/ OVARIAN NEOPLASMS, pathology
2588. **Marchi A, Rai KS:** Cell cycle and DNA synthesis in the mosquito *Aedes aegypti*. *Can J Genet Cytol* 20(2):243-7, Jun 78  
\*AEDES, metabolism/ ANIMAL/ \*BRAIN, cytology/ \*CELL CYCLE/ CHROMOSOME BANDING/ CHROMOSOMES, metabolism/ \*DNA REPLICATION/ GENES/ LARVA/ SEX DETERMINATION
2589. **Marcinkowski Z:** Wpływ chlormadinonu i chlormadinonu z mestranolem na czynność wątroby. *Ginekol Pol* 49(6):525-30, Jun 78 (Eng. Abstr.) (Pol)  
\*CHLORMADINONE, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*LIVER, drug effects/ \*MESTRANOL, adverse effects/ RABBITS
2590. **Marcus AJ, Weksler BB, Jaffe EA:** Enzymatic conversion of prostaglandin endoperoxide H<sub>2</sub> and arachidonic acid to prostacyclin by cultured human endothelial cells. *J Biol Chem* 253(20):7138-41, 25 Oct 78  
\*ARACHIDONIC ACIDS, metabolism/ CARBON RADIOISOTOPES/ CELLS, CULTURED/ CHROMATOGRAPHY, THIN LAYER/ ENDOTHELIUM, metabolism/ FEMALE/ HUMAN/ PREGNANCY/ \*PROSTAGLANDIN ENDOPEROXIDES, metabolism/ \*PROSTAGLANDINS H, metabolism/ \*PROSTAGLANDINS X, biosynthesis/ \*PROSTAGLANDINS, biosynthesis/ \*UMBILICAL CORD, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2591. **Mardell R, Gerson M:** A method of assessing serum triiodothyronine concentrations that is independent of subject's age and variations in concentrations of binding proteins in serum. *Clin Chem* 24(10):1792-8, Oct 78  
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ \*CARRIER PROTEINS, blood/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ MATHEMATICS/ MIDDLE AGE/ PREGNANCY/ THYROXINE, blood/ \*TRIIODOTHYRONINE, blood
2592. **Marinowska E, Sliwowski A, Lorenc R, et al:** Leczenie pooperacyjnej niedoczynności przytarczyc 1- $\alpha$ -hydroksycholekalcyferolem. *Pol Arch Med Wewn* 59(6):666-72, Jun 78  
ADULT/ CASE REPORT/ FEMALE/ GOITE EXOPHTHALMIC, surgery/ HUMAN/ \*HYDROXYCHOLECALCIFEROLS, therapeutic use/ \*HYPOPARATHYROIDISM, drug therapy/ HYPOPARATHYROIDISM, etiology/ MIDDLE AGE/ \*POSTOPERATIVE COMPLICATIONS
2593. **Markaverich BM, Clark JH, Hardin JW:** RNA transcription and uterine growth: differential effects of estradiol, estrone and nafoxidine on chromatin RNA initiation sites. *Biochemistry* 17(15):3146-52, 25 Jul 78  
ANIMAL/ CHROMATIN, drug effects/ \*CHROMATIN, metabolism/ ESCHERICHIA COLI, enzymology/ \*ESTRADIOL, pharmacodynamics/ \*ESTRIOL, pharmacodynamics/ FEMALE/ KINETICS/ \*NAFOXIDINE, pharmacodynamics/ \*PYRROLIDINES, pharmacodynamics/ RATS/ RIFAMPIN, pharmacodynamics/ RNA POLYMERASES, metabolism/ \*TRANSCRIPTION, GENETIC, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, drug effects/ \*UTERUS, metabolism
2594. **Markham RB, Stashak PW, Prescott B, et al:** Selective sensitivity to hydrocortisone of regulatory functions to determine the magnitude of the antibody response to III pneumococcal polysaccharide. *J Immunol* 121(3):821-3, Sep 78  
ANIMAL/ \*ANTIBODIES, BACTERIAL, biosynthesis/ DOSE-RESPONSE RELATIONSHIPS/ IMMUNOLOGIC/ FEMALE/ \*HYDROCORTISONE, pharmacodynamics/ MICE, INBRED BALB C/ \*POLYSACCHARIDES, BACTERIAL, pharmacodynamics/ \*STREPTOCOCCUS PNEUMONIAE/ T-LYMPHOCYTES, immunology
2595. **Markovski N, Spasov S, Trepechov S:** Dinamika na malformativna protese pri sindroma na Mayer-Rokitansky-Küster-Hauser. *Akush Ginekol (Sov)* 17(4):266-9, 1978 (Eng. Abstr.)  
ADOLESCENCE/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*OVARY, abnormalities/ OVARY, pathology/ SYNDROME/ \*UTERUS, abnormalities/ UTERUS, pathology/ \*VAGINA, abnormalities/ VAGINA, pathology
2596. **Marks RD, Underwood PB, Othersen HB, et al:** Dysgerminoma—100% control with combined therapy consecutive patients with advanced disease. *Int J Radiat Oncol Biol Phys* 4(5-6):453-6, May-Jun 78  
ADOLESCENCE/ ADULT/ CHILD/ DYSGERMINOMA, familial & genetic/ \*DYSGERMINOMA, therapy/ FEMALE/ HUMAN/ LYMPHATIC METASTASIS/ NEOPLASMS, MULTIPLE PRIMARY, therapy/ OVARIAN NEOPLASMS, familial & genetic/ \*OVARIAN NEOPLASMS, therapy/ RADIOTHERAPY, HIGH ENERGY/ REMISSION/ SEX CHROMOSOMES, TIME FACTORS
2597. **Marks WM, Korobkin M, Callen PW, et al:** CT diagnosis of tumor thrombosis of the renal vein and inferior vena cava. *AJR* 131(5):843-6, Nov 78  
ADRENAL GLAND NEOPLASMS, blood supply/ \*ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, radiography/ ADULT/ AGED/ CASE REPORT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ KIDNEY NEOPLASMS, blood supply/ \*KIDNEY NEOPLASMS, complications/ KIDNEY NEOPLASMS, radiography/ MALE/ \*RENAL VEINS/ RENAL VEINS, radiography/ THROMBOPHLEBITIS, etiology/ \*THROMBOPHLEBITIS, radiography/ \*TOMOGRAPHY, COMPUTERIZED AXIAL/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*VENA CAVA, INFERIOR/ VENA CAVA, INFERIOR, radiography
2598. **Markstein R, Herrling PL:** The effect of bromocriptine on striatal adenylate cyclase and rat brain monoamine metabolism. *J Neurochem* 31(5):1163-72, Nov 78  
\*ADENYL CYCLASE, metabolism/ ANIMAL/ \*BIOGENIC AMINES, metabolism/ BRAIN, drug effects/ \*BRAIN, metabolism/ CORPUS STRIATUM



## AUTHOR SECTION

- drug effects/ \*CORPUS STRIATUM, enzymology/  
DOPAMINE, pharmacodynamics/ MALE/  
NOREPINEPHRINE, pharmacodynamics/ RATS/  
TISSUE DISTRIBUTION/  
\*2-BROMOERGOCRYPTINE, pharmacodynamics
9. Markuszewski C: Zmiany rozrostowe i doustna antykoncepcja  
sterydowa w krajach anglosaskich. *Pol Tyg Lek*  
33(38):1519-22, 18 Sep 78 (Pol)  
\*BREAST DISEASES, chemically induced/  
\*BREAST, pathology/ \*CONTRACEPTIVES, ORAL,  
adverse effects/ FEMALE/ HUMAN/  
HYPERPLASIA, chemically induced/ \*LIVER  
DISEASES, chemically induced/ \*LIVER, pathology/  
RISK/ UNITED STATES
10. Marmasse J: La sclérose au salicylate ou à l'iode est-elle  
condamnée en France? *Phlebologie* 31(2):87-8, Apr-Jun 78  
(Fre)  
FRANCE/ HUMAN/ \*IODINE, administration &  
dosage/ IODINE, therapeutic use/ \*SCLEROSING  
SOLUTIONS/ \*SODIUM SALICYLATE,  
administration & dosage/ SODIUM SALICYLATE,  
therapeutic use
1. Marnay-Gulat C, Youyou A, Labitte A, et al: Etude de l'AMPC  
tissulaire chez le rat pendant la phase d'action  
hypocalcémiant de l'hormone parathyroïdienne.  
*C R Soc Biol (Paris)* 172(2):225-30, 1978 (Eng. Abstr.)  
(Fre)  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ADENOSINE  
CYCLIC-3',5'-MONOPHOSPHATE,  
pharmacodynamics/ ANIMAL/ \*CALCIUM, blood/  
ENGLISH ABSTRACT/ HYPOCALCEMIA,  
chemically induced/ MALE/ \*PARATHYROID  
HORMONE, pharmacodynamics/ RATS/ TIME  
FACTORS
2. Marquardt GM, DiStefano V, Ling LL: Effects of racemic, (S)-  
and (R)-methylenedioxyamphetamine on synaptosomal  
uptake and release of tritiated norepinephrine.  
*Biochem Pharmacol* 27(10):1497-501, 15 May 78  
\*AMPHETAMINES, pharmacodynamics/ ANIMAL/  
CALCIUM, physiology/ HYPOTHALAMUS,  
metabolism/ HYPOTHALAMUS, ultrastructure/ IN  
VITRO/ MALE/ \*NOREPINEPHRINE, metabolism/  
RATS/ STEREOISOMERS/ SUBCELLULAR  
FRACTIONS, metabolism/ SYNAPTOSOMES, drug  
effects/ \*SYNAPTOSOMES, metabolism/  
TEMPERATURE/ TIME FACTORS/ UNITED  
STATES GOV'T SUPPORTED, P.H.S./  
\*3,4-METHYLENEDIOXYAMPHETAMINE,  
pharmacodynamics
3. Marre R, Züllich B, Beck H, et al: Tierexperimentelle  
Untersuchungen über die antibakterielle Aktivität VON  
10 Cephalosporinen. *Zentralbl Bakteriol [Orig A]*  
240(4):529-37, Jun 78 (Eng. Abstr.) (Ger)  
ANIMAL/ CEPHALOSPORINS, administration &  
dosage/ CEPHALOSPORINS, blood/  
\*CEPHALOSPORINS, therapeutic use/  
COMPARATIVE STUDY/ DISEASE MODELS,  
ANIMAL/ ENGLISH ABSTRACT/ ESCHERICHIA  
COLI INFECTIONS, chemically induced/  
\*ESCHERICHIA COLI INFECTIONS, drug therapy/  
ESCHERICHIA COLI, drug effects/ ESTRADIOL,  
adverse effects/ FEMALE/ INJECTIONS,  
INTRAMUSCULAR/ PYELONEPHRITIS,  
chemically induced/ \*PYELONEPHRITIS, drug  
therapy/ RATS
4. Martin PM: High frequency of hydatidiform mole in native  
Alaskans. *Int J Gynaecol Obstet* 15(5):395-6, 1978  
ALASKA/ DIET/ FEMALE/ HUMAN/  
HYDATIDIFORM MOLE, etiology/  
HYDATIDIFORM MOLE, familial & genetic/  
\*HYDATIDIFORM MOLE, occurrence/  
PREGNANCY/ RETROSPECTIVE STUDIES/  
UTERINE NEOPLASMS, etiology/ UTERINE  
NEOPLASMS, familial & genetic/ \*UTERINE  
NEOPLASMS, occurrence
5. Martin RF, Jordan LM, Willis WD: Differential projections  
of cat medullary raphe neurons demonstrated by retrograde  
labelling following spinal cord lesions. *J Comp Neurol*  
182(1):77-88, 1 Nov 78  
ANIMAL/ BRAIN MAPPING/ \*BRAIN STEM,  
anatomy & histology/ CATS/ HORSERADISH  
PEROXIDASE/ MOTOR NEURONS, physiology/  
NEURAL PATHWAYS, anatomy & histology/  
NEURAL PATHWAYS, physiology/ \*RAPHE  
NUCLEI, anatomy & histology/ RAPHE NUCLEI,  
physiology/ SENSATION, physiology/ SEROTONIN,  
physiology/ \*SPINAL CORD, anatomy & histology/  
SPINAL CORD, physiology/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
2606. Martin TJ, Hunt NH, Boyd H, et al: Hormone receptors and  
cyclic nucleotide metabolism in cancer cells.  
*Clin Endocrinol (Oxf)* 5 Suppl:373S-386S, 1976 (57 ref.)  
ADENOCARCINOMA, enzymology/  
ADENOCARCINOMA, metabolism/ ADENOMA,  
enzymology/ ADENOMA, metabolism/ ADENOSINE  
CYCLIC-3',5'-MONOPHOSPHATE, metabolism/  
ADENYL CYCLASE, metabolism/ ANIMAL/  
CALCITONIN, pharmacodynamics/ CELL  
MEMBRANE, enzymology/ CELL MEMBRANE,  
metabolism/ CELLS, CULTURED/ HEPATOMA,  
enzymology/ HEPATOMA, metabolism/ HUMAN/  
HYDROXYCHOLECALCIFEROLS, metabolism/  
KIDNEY CORTEX, enzymology/ KIDNEY  
CORTEX, metabolism/ KIDNEY NEOPLASMS,  
enzymology/ KIDNEY NEOPLASMS, metabolism/  
LIVER NEOPLASMS, chemically induced/ LIVER  
NEOPLASMS, enzymology/ LIVER NEOPLASMS,  
metabolism/  
METHYLDIMETHYLAMINOAZOBENZENE,  
pharmacodynamics/ \*NEOPLASMS, metabolism/  
\*NUCLEOTIDES, CYCLIC, metabolism/  
PARATHYROID GLANDS, enzymology/  
PARATHYROID GLANDS, metabolism/  
PARATHYROID GLANDS, pathology/  
PARATHYROID NEOPLASMS, enzymology/  
PARATHYROID NEOPLASMS, metabolism/ RATS/  
\*RECEPTORS, HORMONE, metabolism/ REVIEW
2607. Martínez-Fresneda CG: Resultados terapéuticos en algunas  
dermatosis (psoriasis y eczemas) con el ungüento de  
cortobenzolona (tuplix). *Actas Dermosifiliogr*  
67(11-12):757-66, Nov-Dec 76 (Eng. Abstr.) (Spa)  
ADOLESCENCE/ ADULT/  
ANTI-INFLAMMATORY AGENTS, TOPICAL,  
administration & dosage/ \*ANTI-INFLAMMATORY  
AGENTS, TOPICAL, therapeutic use/ DRUG  
COMBINATIONS/ DRUG EVALUATION/  
\*ECZEMA, drug therapy/ ENGLISH ABSTRACT/  
FEMALE/ GRAMICIDINS, administration & dosage/  
\*GRAMICIDINS, therapeutic use/ HUMAN/ MALE/  
MIDDLE AGE/ NEOMYCIN, administration &  
dosage/ \*NEOMYCIN, therapeutic use/  
OINTMENTS/ \*PSORIASIS, drug therapy/  
\*TRIAMCINOLONE, analogs & derivatives/  
TRIAMCINOLONE, administration & dosage/  
\*TRIAMCINOLONE, therapeutic use
2608. Martínez-Maldonado M, Opava-Stitzer S: Free water clearance  
curves during saline, mannitol, glucose and urea diuresis in  
the rat. *J Physiol (Lond)* 280:487-97, Jul 78  
ANIMAL/ \*DIURESIS/ FEMALE/ GLUCOSE,  
pharmacodynamics/ INAPPROPRIATE ADH  
SYNDROME, physiopathology/ MALE/  
MANNITOL, pharmacodynamics/ RATS/ SODIUM  
CHLORIDE, pharmacodynamics/ UREA,  
pharmacodynamics/ \*WATER, metabolism
2609. Martino E, Lernmark A, Seo H, et al: High concentration of  
thyrotropin-releasing hormone in pancreatic islets.  
*Proc Natl Acad Sci USA* 75(9):4265-7, Sep 78  
ANIMAL/ DIABETES MELLITUS,  
EXPERIMENTAL, metabolism/ \*ISLANDS OF  
LANGERHANS, metabolism/ MALE/  
RADIOIMMUNOASSAY/ RATS/ SPECIES  
SPECIFICITY/ \*THYROTROPIN RELEASING  
HORMONE, metabolism/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
2610. Martonosi AN, Chyn TL, Schibeci A: The calcium transport  
of sarcoplasmic reticulum. *Ann NY Acad Sci* 307:148-59,  
28 Apr 78  
ADENOSINE TRIPHOSPHATASE, CALCIUM,  
metabolism/ ADENOSINE TRIPHOSPHATE,  
metabolism/ ANIMAL/ BIOLOGICAL  
TRANSPORT, ACTIVE/ \*CALCIUM, metabolism/  
CHICK EMBRYO/ HYDROLYSIS/ IN VITRO/  
MODELS, BIOLOGICAL/ MUSCLES, metabolism/  
RABBITS/ RNA, MESSENGER, biosynthesis/  
\*SARCOPLASMIC RETICULUM, metabolism/  
UNITED STATES GOV'T SUPPORTED/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.

# AUTHOR SECTION

2611. Martucci E, Cervellati S: La sindrome del tunnel tarsale. Chir Organi Mov 63(6):593-7, 1977 (Ita)  
ADULT/ CASE REPORT/ CORTISONE, therapeutic use/ HUMAN/ MALE/ PHYSICAL THERAPY/ \*TARSAL TUNNEL SYNDROME/ TARSAL TUNNEL SYNDROME, surgery/ TARSAL TUNNEL SYNDROME, therapy
2612. Martynova LE, Belousov LV: Vliianie neirofarmakologicheskikh preparatov i kolkhitsina na morfogeneticheskie protsessy v émbriional'nykh kletkakh amfibii. Ontogenez 9(4):382-9, 1978 (Eng. Abstr.) (Rus)  
AMPHETAMINES, pharmacodynamics/ ANIMAL/ \*BIOGENIC AMINES, physiology/ CELL MOVEMENT, drug effects/ \*COLCHICINE, pharmacodynamics/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FROGS/ \*GERM LAYERS, drug effects/ INDOLEACETIC ACIDS, pharmacodynamics/ INDOLES, pharmacodynamics/ \*MORPHOGENESIS, drug effects/ RANA TEMPORARIA/ SEROTONIN, pharmacodynamics
2613. Marugo M, Giusti M, Baiardi M, et al: Comportamento della secrezione ipofisaria dopo carico acuto di cimetidina. Boll Soc Ital Biol Sper 54(3):282-6, 15 Feb 78 (Ita)  
ADULT/ \*CIMETIDINE, pharmacodynamics/ FEMALE/ \*GUANIDINES, pharmacodynamics/ HUMAN/ MALE/ PITUITARY GLAND, ANTERIOR, drug effects/ \*PITUITARY GLAND, ANTERIOR, secretion/ \*PITUITARY HORMONES, ANTERIOR, secretion
2614. Marumo F: Stimulative effect of guanylylimidodiphosphate on the vasopressin-induced increment of osmotic water flow of the toad bladder. Life Sci 23(9):907-11, 4 Sep 78  
ADENYLIL IMIDODIPHOSPHATE, pharmacodynamics/ ANIMAL/ \*BLADDER, metabolism/ BODY WATER, metabolism/ BUFO BUFO/ DRUG SYNERGISM/ \*GUANOSINE TRIPHOSPHATE, analogs & derivatives/ \*GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ IN VITRO/ OSMOSIS, drug effects/ PERMEABILITY/ TIME FACTORS/ \*VASOPRESSINS, pharmacodynamics
2615. Maruyama T: [Clinical studies on the abnormality of glucose tolerance in acute stage of cerebrovascular diseases (author's transl)] Fukuoka Igaku Zasshi 69(6):251-67, 25 Jun 78 (Eng. Abstr.) (Jpn)  
ACUTE DISEASE/ ADULT/ AGED/ CATECHOLAMINES, urine/ \*CEREBROVASCULAR DISORDERS, blood/ ENGLISH ABSTRACT/ FEMALE/ \*GLUCOSE TOLERANCE TEST/ HUMAN/ INSULIN, blood/ MALE/ MIDDLE AGE/ SOMATOTROPIN, blood
2616. Marx SJ: Restraint in use of high-dose fluorides to treat skeletal disorders [editorial] JAMA 240(15):1630-1, 6 Oct 78  
ANIMAL/ \*BONE AND BONES, drug effects/ \*FLUORIDES, administration & dosage/ FLUORIDES, therapeutic use/ HUMAN/ \*OSTEOPOROSIS, drug therapy
2617. Mas Marfany J, Ramón Soler R, Baxarias Gascón P: Coma hiperosmolar hiperglicémico no cetósico de causa poco frecuente. Rev Esp Anestesiol Reanim 25(4):349-56, Jul 78 (Eng. Abstr.) (Spa)  
ADULT/ \*ANTINEOPLASTIC AGENTS, adverse effects/ ANTINEOPLASTIC AGENTS, therapeutic use/ \*DIABETIC COMA, chemically induced/ ENGLISH ABSTRACT/ HUMAN/ \*HYPERGLYCEMIC HYPEROSMOLAR NONKETOTIC COMA, chemically induced/ \*LEUKEMIA, MYELOBLASTIC, drug therapy/ MALE/ \*PREDNISONE, adverse effects/ PREDNISONE, therapeutic use
2618. Masala A, Delitala G, Devilla L, et al: Effect of apomorphine and pibedil on the secretion of thyrotropin and prolactin in patients with primary hypothyroidism. Metabolism 27(11):1608-12, Nov 78  
ADULT/ \*APOMORPHINE, pharmacodynamics/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ \*HYPOTHYROIDISM, blood/ \*PIPERAZINES, pharmacodynamics/ \*PIBIDIL, pharmacodynamics/ \*PROLACTIN, blood/ \*THYROTROPIN, blood
2619. Masaoka A, Maeda M, Monden Y, et al: [Spontaneous remission of myasthenia gravis in the patients with thymoma (author's transl)] Kyobu Geka 31(8):611-5, Aug 78 (Eng. Abstr.) (Jpn)  
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ \*MYASTHENIA GRAVIS, complications/ REMISSION/ \*THYMOMA, complications/ THYMOMA, surgery/ \*THYMUS NEOPLASMS, complications/ THYMUS NEOPLASMS, surgery
2620. Masek K, Kadlecová O, Petrovický P: Pharmacological action of bacterial peptidoglycan: the effect on temperature sleep in the rat. Toxicol Suppl 1(1):991-1003, 1978  
ANIMAL/ ARACHIDONIC ACIDS, pharmacodynamics/ BRAIN STEM, physiology/ BRAIN, metabolism/ DRUG INTERACTIONS/ INDOMETHACIN, pharmacodynamics/ MALE/ PEPTIDE FRAGMENTS, pharmacodynamics/ \*PEPTIDOGLYCAN, pharmacodynamics/ \*PYROGENS/ RATS/ SEROTONIN, metabolism/ \*SLEEP, drug effects/ SODIUM SALICYLATE, pharmacodynamics/ THEOPHYLLINE, pharmacodynamics
2621. Maskarinec MP, Shipley G, Novotny M, et al: Endocrine effect of cannabis in male rats. Toxicol Appl Pharmacol 45(2):617-28, Aug 78  
ANDROSTANEDIOL, urine/ ANDROSTENOLURINE/ ANDROSTERONE, urine/ ANIMAL/ \*CANNABIS/ ESTROGENS, blood/ \*HORMONAL METABOLISM/ MALE/ PLANT EXTRACTS, pharmacodynamics/ RATS/ TETRAHYDROCANNABINOL, pharmacodynamics/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2622. Mason JI, Boyd GS: The suppressive effect of the cat steroid, pregnenolone-16alpha-carbonitrile, on liver microsomal cholesterol-7alpha-hydroxylase. Steroids 31(6):849-54, Jun 78  
ANIMAL/ \*CHOLESTEROL-7-HYDROXYLASE, antagonists & inhibitors/ CHOLESTYRAMINE, pharmacodynamics/ CYTOCHROME P-450, metabolism/ ETHYLMORPHINE-N-DEMETHYLASE, metabolism/ FEMALE/ MALE/ MICROSOMES, LIVER, drug effects/ \*MICROSOMES, LIVER, enzymology/ MICROSOMES, LIVER, metabolism/ \*PREGNENOLONE CARBONITRILE, pharmacodynamics/ PROTEINS, metabolism/ RATS/ \*STEROID HYDROXYLASES, antagonists & inhibitors
2623. Massari VJ, Tizabi Y, Sanders-Bush E: Evaluation of neurotoxic effects of p-chloroamphetamine: a histological and biochemical study. Neuropharmacology 17(7):541-78  
\*P-CHLOROAMPHETAMINE, adverse effects/ \*AMPHETAMINES, adverse effects/ ANIMAL/ AXONS, metabolism/ BRAIN, ultrastructure/ MALE/ \*NERVOUS SYSTEM DISEASES, chemically induced/ NERVOUS SYSTEM DISEASES, metabolism/ NERVOUS SYSTEM DISEASES, pathology/ RAPHE NUCLEI, physiology/ RAT/ SEROTONIN, physiology/ SILVER/ STAINS STAINING/ SYNAPTOSOMES, drug effects/ SYNAPTOSOMES, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2624. Massi G, Crivelli F: Different behaviour of 19S thyroglobulin extracted from normal thyroid, simple goitre and toxic in polyacrylamide slab gel isoelectric focusing. Acta Endocrinol (Copenh) 89(2):296-302, Oct 78  
ELECTROPHORESIS, POLYACRYLAMIDE GEL DIFFUSION TESTS/ \*GOITER, metabolism/ HUMAN/ ISOELECTRIC FOCUSING/ \*THYROGLOBULIN, analysis/ THYROGLOBULIN, isolation & purification/ \*THYROID GLAND, anatomy
2625. Massry SG, Goldstein DA: Role of parathyroid hormone in uremic toxicity. Kidney Int [Suppl] (8):S39-42, Jun 78  
ANEMIA, etiology/ ANIMAL/ CALCINOSIS, etiology/ CENTRAL NERVOUS SYSTEM DISEASES, etiology/ DOGS/ HUMAN/ NECROTIC DISEASES/ OSTEITIS FIBROSA CYSTICA, etiology/ PARATHYROID HORMONE, blood/ \*PARATHYROID HORMONE, physiology/ PRURITUS, etiology/ SEX DISORDERS, etiology/ TRIGLYCERIDES, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UREMIA, complications/ \*UREMIA, physiopathology
2626. Massry SG: Skeletal resistance to the calcaemic action of parathyroid hormone in uraemia: a mechanism for the



# AUTHOR SECTION

- hypocalcaemia and secondary hyperparathyroidism of chronic renal failure. Clin Endocrinol (Oxf) 5 Suppl:317S-325S, 1976  
ANIMAL/ \*BONE AND BONES, metabolism/  
\*CALCIUM, blood/ DOGS/ HUMAN/  
HYPERPARATHYROIDISM, SECONDARY,  
etiology/ \*HYPERPARATHYROIDISM,  
SECONDARY, metabolism/ HYPOCALCEMIA,  
etiology/ \*HYPOCALCEMIA, metabolism/ KIDNEY  
FAILURE, ACUTE, metabolism/ KIDNEY  
FAILURE, CHRONIC, complications/ \*KIDNEY  
FAILURE, CHRONIC, metabolism/  
NEPHRECTOMY/ PARATHYROID GLANDS,  
physiology/ PARATHYROID HORMONE, blood/  
PARATHYROID HORMONE, metabolism/  
\*PARATHYROID HORMONE, physiology/  
PHOSPHORUS, blood/ TISSUE EXTRACTS,  
pharmacodynamics/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ UREMIA, metabolism/  
URETER, physiology
2627. Masturzo P, Murialdo G, Gallamini A, et al: Effetti della somministrazione di benserazide sulla secrezione. Boll Soc Ital Biol Sper 54(3):274-8, 15 Feb 78 (Ita)  
ACROMEGALY, physiopathology/ ADULT/  
\*BENSERAZIDE, pharmacodynamics/ FEMALE/  
HUMAN/ \*HYDRAZINES, pharmacodynamics/  
LEVODOPA, pharmacodynamics/ MALE/ MIDDLE  
AGE/ PITUITARY GLAND, ANTERIOR,  
physiopathology/ \*PROLACTIN, secretion
2628. Masuoka T, Miki S: [Experience in the use of a RIA kit for determination of thyroglobulin antibody] Horumon To Rinsho 26(8):801-5, Aug 78 (Jpn)  
\*ANTIBODIES, analysis/ HUMAN/  
\*RADIOIMMUNOASSAY, methods/  
RADIOIMMUNOASSAY, standards/ \*REAGENT  
KITS, DIAGNOSTIC, standards/  
\*THYROGLOBULIN, immunology
2629. Matell G, Osterman PO: Myasthenia gravis (3). Kortikosteroidbehandling av myasthenia gravis. Lakartidningen 75(41):3667-9, 11 Oct 78 (Eng. Abstr.) (Swe)  
ENGLISH ABSTRACT/ HUMAN/ HL-A  
ANTIGENS/ \*MYASTHENIA GRAVIS, drug  
therapy/ MYASTHENIA GRAVIS, immunology/  
PREDNISONE, administration & dosage/  
PREDNISONE, adverse effects/ \*PREDNISONE,  
therapeutic use/ TIME FACTORS
2630. Mathison R, Lederis K: Modulation of vasopressin release from the neurohypophysis by the intact neuron. Proc West Pharmacol Soc 21:257-60, 1978  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
pharmacodynamics/ HYPOTHALAMUS, drug effects/  
IN VITRO/ NEURONS, physiology/  
PHOSPHODIESTERASE INHIBITORS,  
pharmacodynamics/ PITUITARY GLAND,  
POSTERIOR, drug effects/ PITUITARY GLAND,  
POSTERIOR, innervation/ PITUITARY GLAND,  
POSTERIOR, metabolism/ POTASSIUM,  
pharmacodynamics/ \*VASOPRESSINS, metabolism
2631. Matsuda M: [Hormone-producing tumor of the lung] Nippon Rinsho Suppl:1916-7, May 78 (Jpn)  
\*CARCINOMA, OAT CELL, metabolism/  
\*HORMONES, ECTOPIC, biosynthesis/ HUMAN/  
\*LUNG NEOPLASMS, metabolism
2632. Matsui I, Kuroki Y, Chiyo H: [XXX, XXXXX and XYY syndromes] Nippon Rinsho Suppl:1464-5, May 78 (Jpn)  
FEMALE/ HUMAN/ MALE/ \*SEX  
CHROMOSOME ABNORMALITIES/ \*XYY  
KARYOTYPE
2633. Matsui K, Kimura T: Urinary excretion of antidiuretic hormone under various hydration states in man. Tohoku J Exp Med 125(2):103-13, Jun 78  
ADOLESCENCE/ ADULT/ AGED/ ANIMAL/  
DIABETES INSIPIDUS, urine/ DIURESIS/  
FEMALE/ HUMAN/ INAPPROPRIATE ADH  
SYNDROME, urine/ MALE/ MIDDLE AGE/  
OSMOLAR CONCENTRATION/ RATS/  
\*VASOPRESSINS, urine/  
\*WATER-ELECTROLYTE BALANCE
2634. Matsukura S, Yoshimi H, Yokota M, et al: [In vivo distribution of beta-endorphin] Horumon To Rinsho 26(8):761-70, Aug 78 (Jpn)  
ANIMAL/ CATTLE/ \*ENDORPHINS, metabolism/  
ENKEPHALINS, metabolism/ MONKEYS/ RATS/  
RECEPTORS, NARCOTIC, metabolism/ TISSUE  
DISTRIBUTION
2635. Matsumoto T, Horiuchi N, Suda T: [Disorders of vitamin D metabolism] Nippon Rinsho Suppl:1568-9, May 78 (Jpn)  
HUMAN/ \*VITAMIN D DEFICIENCY
2636. Matsumoto T, Fischer CR 3d: Pathophysiology and management of acute gastric mucosal hemorrhage. Int Surg 63(4):65-71, May-Jun 78  
ACUTE DISEASE/ ANIMAL/ CIMETIDINE,  
therapeutic use/ DEXAMETHASONE, analogs &  
derivatives/ DEXAMETHASONE, therapeutic use/  
DOGS/ GASTRIC MUCOSA, blood supply/  
HUMAN/ METHYLPREDNISOLONE, therapeutic  
use/ MICROCIRCULATION/ PEPTIC ULCER  
HEMORRHAGE, prevention & control/ PEPTIC  
ULCER HEMORRHAGE, physiopathology/ \*PEPTIC  
ULCER HEMORRHAGE, therapy/  
PROSTAGLANDINS E, therapeutic use/ RATS/  
SHOCK, complications/ STOMACH ULCER,  
prevention & control/ STOMACH ULCER,  
physiopathology/ \*STOMACH ULCER, therapy/  
STRESS/ VAGOTOMY/ VASOCONSTRICTOR  
AGENTS, therapeutic use
2637. Matsuo M, Huang CH, Huang LC: Evidence for an essential arginine recognition site on adenosine 3':5'-cyclic monophosphate-dependent protein kinase of rabbit skeletal muscle. Biochem J 173(2):441-7, 1 Aug 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ADENOSINE TRIPHOSPHATE,  
metabolism/ ARGININE, pharmacodynamics/  
ASPARTIC ACID, metabolism/ CHEMISTRY/  
KINETICS/ MAGNESIUM, metabolism/ PEPTIDES,  
pharmacodynamics/ POLYGLUTAMIC ACID,  
metabolism/ POLYLYSINE, pharmacodynamics/  
PROTEIN KINASE, antagonists & inhibitors/  
\*PROTEIN KINASE, metabolism
2638. Matsuo N: [Noonan syndrome] Nippon Rinsho Suppl:2042-3, May 78 (Jpn)  
CHILD/ CHILD, PRESCHOOL/ FEMALE/ HEART  
DEFECTS, CONGENITAL, complications/ HUMAN/  
MALE/ \*NOONAN SYNDROME/ NOONAN  
SYNDROME, complications
2639. Matsuoka N, Saito Y, Shirai K, et al: Studies on the mechanism of action of ACTH on triglyceride synthesis in fat cells. Endocrinol Jpn 25(3):225-9, Jun 78  
ADIPOSE TISSUE, drug effects/ \*ADIPOSE TISSUE,  
metabolism/ ANIMAL/ CALCIUM,  
pharmacodynamics/ COENZYME A SYNTHETASES,  
metabolism/ \*CORTICOTROPIN, pharmacodynamics/  
KINETICS/ MALE/ RATS/ \*TRIGLYCERIDES,  
biosynthesis
2640. Matsushima S, Reiter RJ: Electron microscopic observations on neuron-like cells in the ground squirrel pineal gland. J Neural Transm 42(3):223-37, 1978  
ADRENERGIC FIBERS, ultrastructure/ ANIMAL/  
CELL NUCLEUS, ultrastructure/ \*CHIPMUNKS,  
anatomy & histology/ NERVE ENDINGS,  
ultrastructure/ NEURONS, ultrastructure/ PINEAL  
BODY, cytology/ \*PINEAL BODY, ultrastructure/  
\*RODENTS, anatomy & histology/ SYNAPSES,  
ultrastructure
2641. Matsuya Y, Kusano T, Endo S, et al: Reduced tumorigenicity by addition in vitro of Sendai virus. Eur J Cancer 14(8):837-50, Aug 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
pharmacodynamics/ ANIMAL/ \*CARCINOMA,  
EHRlich TUMOR, ultrastructure/ CELL DIVISION,  
drug effects/ CELL FUSION, drug effects/ CELLS,  
CULTURED/ CHROMOSOME BANDING/  
\*CHROMOSOMES/ KARYOTYPING/  
LYSOPHOSPHATIDYLCHOLINES,  
pharmacodynamics/ MICE/ NEOPLASM  
TRANSPLANTATION/ \*PARA-INFLUENZA  
VIRUS TYPE 1/ POLYETHYLENE GLYCOLS,  
pharmacodynamics
2642. Matsuzaki S, Suzuki M, Hamana Y: [Quantitative changes in polyamines and histamine during the formation of goiter in rats] Horumon To Rinsho 26(1):31-4, Jan 78 (Jpn)  
ANIMAL/ \*GOITER, metabolism/ \*HISTAMINE,  
analysis/ MALE/ \*POLYAMINES, analysis/ RATS/  
\*THYROID GLAND, analysis



# AUTHOR SECTION

2643. Matsuzawa A, Yamamoto T, Mizuno Y: An ovary-dependent mouse mammary tumor induced by urethan. *Gan* 68(4):523-4, Aug 77  
\*ADENOCARCINOMA, chemically induced/  
ANIMAL/ \*ESTROGENS, physiology/ FEMALE/  
MALE/ \*MAMMARY NEOPLASMS,  
EXPERIMENTAL, chemically induced/ MICE/  
\*NEOPLASMS, HORMONE-DEPENDENT,  
chemically induced/ \*URETHANE
2644. Matt H, Bilinski M, Plattner H: Adenosinetriphosphate, calcium and temperature requirements for the final steps of exocytosis in Paramecium cells. *J Cell Sci* 32:67-86, Aug 78  
\*ADENOSINE TRIPHOSPHATE, metabolism/  
ANIMAL/ \*CALCIUM, metabolism/ CELL  
MEMBRANE, metabolism/ \*EXOCYTOSIS/  
\*PARAMECIUM, cytology/ PARAMECIUM,  
metabolism/ TEMPERATURE
2645. Matthews BF: The collagen content of the hypertrophic intestine and liver in pregnant and lactating mice [proceedings] *J Physiol (Lond)* 280:59P, Jul 78  
ANIMAL/ \*COLLAGEN, metabolism/ FEMALE/  
\*INTESTINE, SMALL, metabolism/ \*LACTATION/  
\*LIVER, metabolism/ MICE/ ORGAN WEIGHT/  
PREGNANCY/ \*PREGNANCY, ANIMAL
2646. Matthews DR: Genetics: your fate in your genes. *Nurs Mirror* 147(15):30-4, 12 Oct 78  
CHROMOSOME ABNORMALITIES/  
CHROMOSOMES, HUMAN/ GENETIC CODE/  
\*GENETICS, HUMAN/ HUMAN/  
KARYOTYPING/ SEX CHROMOSOMES
2647. Matthias M: Hormone und Zytostatika in der Krebschemotherapie. *Z Gesamte Inn Med* 33(14):459-65, 15 Jul 78 (Eng. Abstr.) (Ger)  
\*ANTINEOPLASTIC AGENTS, therapeutic use/  
BCG VACCINATION/ CELL CYCLE/ DRUG  
THERAPY, COMBINATION/ ENGLISH  
ABSTRACT/ \*HORMONES, therapeutic use/  
IMMUNOTHERAPY/ \*NEOPLASMS, drug therapy/  
RECEPTORS, HORMONE
2648. Matthias M: Die Bedeutung allgemeiner unterstützender (supportiver) Massnahmen bei der Behandlung maligner Neubildungen. *Z Gesamte Inn Med* 33(14):485-97, 15 Jul 78 (38 ref.) (Eng. Abstr.) (Ger)  
ANEMIA, etiology/ ASCITES, radiotherapy/ BLOOD  
COAGULATION DISORDERS, etiology/ BONE  
MARROW, transplantation/ CROSS INFECTION,  
etiology/ \*CROSS INFECTION, therapy/ ENGLISH  
ABSTRACT/ GRANULOCYTES, transplantation/  
HUMAN/ HYPERCALCEMIA, therapy/  
INTRACRANIAL PRESSURE/ LEUKOPENIA,  
complications/ \*NEOPLASMS, complications/  
PATIENT ISOLATION/ PHOSPHORUS  
RADIOISOTOPES, therapeutic use/ PLEURAL  
EFFUSION, radiotherapy/ REVIEW/  
THROMBOPENIA, complications/ TRANSFER  
FACTOR, therapeutic use/ TRANSPLANTATION,  
AUTOLOGOUS/ TRANSPLANTATION,  
HOMOLOGOUS
2649. Mattingly RF, Borkowf HI: Clinical implications of ureteral reflux in pregnancy. *Clin Obstet Gynecol* 21(3):863-73, Sep 78  
BLADDER, anatomy & histology/ BLADDER, drug  
effects/ BLADDER, physiology/ FEMALE/  
HUMAN/ MUSCLE RELAXATION, drug effects/  
MUSCLE, SMOOTH, drug effects/ \*PREGNANCY  
COMPLICATIONS, physiopathology/  
PREGNANCY/ PRESSURE/ PROGESTERONE,  
pharmacodynamics/ URETER, anatomy & histology/  
URETER, drug effects/ URETER, physiology/  
VESICO-URETERAL REFLUX, etiology/  
\*VESICO-URETERAL REFLUX, physiopathology
2650. Mattson P, Kowal J: The ultrastructure of functional mouse adrenal cortical tumor cells in vitro. *Differentiation* 11(2):75-88, 1978  
ADRENAL CORTEX NEOPLASMS, secretion/  
\*ADRENAL CORTEX NEOPLASMS, ultrastructure/  
\*ADRENAL CORTEX, ultrastructure/ ANIMAL/  
CELL LINE/ CORTICOTROPIN,  
pharmacodynamics/ HORMONES, secretion/ MICE/  
MICROSCOPY, ELECTRON, SCANNING/  
NEOPLASMS, EXPERIMENTAL, secretion/  
NEOPLASMS, EXPERIMENTAL, ultrastructure/  
STEROIDS, secretion/ UNITED STATES GOV'T
2651. Matuchansky C, Coutrot S: The role of prostaglandins in study of intestinal water and electrolyte transport in m *Biomedicine* 28(3):143-8, May-Jun 78 (42 ref.)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE/  
metabolism/ ADENYL CYCLASE, metabolism/  
ANIMAL/ BIOLOGICAL TRANSPORT, drug  
effects/ \*BODY WATER, metabolism/ CHOLERA  
TOXIN, pharmacodynamics/ DIARRHEA, chemi  
induced/ DIARRHEA, metabolism/  
\*ELECTROLYTES, metabolism/ \*GLUCOSE,  
metabolism/ HUMAN/ INTESTINAL ABSORPTIO  
drug effects/ INTESTINAL MUCOSA, drug effec  
INTESTINAL MUCOSA, metabolism/ INTESTIN  
drug effects/ \*INTESTINES, metabolism/  
PANCREATIC NEOPLASMS, metabolism/  
PROSTAGLANDIN ANTAGONISTS,  
pharmacodynamics/ PROSTAGLANDINS E,  
metabolism/ \*PROSTAGLANDINS E,  
pharmacodynamics/ PROSTAGLANDINS E,  
physiology/ PROSTAGLANDINS F, metabolism/  
\*PROSTAGLANDINS F, pharmacodynamics/  
PROSTAGLANDINS F, physiology/ REVIEW/  
THYROID NEOPLASMS, metabolism/  
WATER-ELECTROLYTE BALANCE, drug effec
2652. Matveev AA, Lapushinskii DP, Aleksandrovskaia RA: Izuchenie klinicheskoi effektivnosti prednizolonoterapii kontroliruemom issledovanii i voprosy taktiki primeneni kortikosteroidov pri syvorotochnom gepatite. *Ter Arkh* 50(10):72-6, 1978 (Eng. Abstr.) (R)  
ADOLESCENCE/ \*ADRENAL CORTEX  
HORMONES, therapeutic use/ ADULT/ CASE  
REPORT/ CLINICAL RESEARCH/  
COMPARATIVE STUDY/ DRUG EVALUATIO  
ENGLISH ABSTRACT/ FEMALE/ \*HEPATITIS  
drug therapy/ HUMAN/ MIDDLE AGE/  
\*PREDNISOLONE, administration & dosage/ TIM  
FACTORS
2653. Matveikov GP, Zhivutskii II: Immunodepressivnaia terapii revmatoidnogo artrita. *Ter Arkh* 50(9):16-21, 1978 (Eng. Abstr.) (R)  
ADULT/ AGED/ \*ARTHRITIS, RHEUMATOID  
drug therapy/ AZATHIOPRINE, administration &  
dosage/ DRUG THERAPY, COMBINATION/  
ENGLISH ABSTRACT/ FOLLOW-UP STUDIE  
HUMAN/ \*IMMUNOSUPPRESSIVE AGENTS,  
administration & dosage/ MIDDLE AGE/  
PENICILLAMINE, administration & dosage/  
PREDNISOLONE, administration & dosage
2654. Matzen K, Müller PK, Krieg T: Osteogenesis imperfecta: Biochemische Charakterisierung verschiedener Gruppen *Z Orthop* 116(4):585-6, Aug 78 (G)  
ADOLESCENCE/ ADULT/ CHILD/ \*COLLAGEN  
analysis/ HUMAN/ INFANT/ MIDDLE AGE/  
\*OSTEOGENESIS IMPERFECTA, classification/  
PROTEIN CONFORMATION
2655. Maughan GT, Johnson JH, Rosecrans JA: Midbrain raphe mediation of the narcotic blockade of ovulation. *Brain Res* 155(2):413-7, 27 Oct 78  
ANIMAL/ \*BRAIN STEM, physiology/ FEMALE  
LH, blood/ MESENCEPHALON, drug effects/  
MESENCEPHALON, physiology/ \*METHADON,  
pharmacodynamics/ \*MORPHINE,  
pharmacodynamics/ NALTREXONE,  
pharmacodynamics/ \*OVULATION, drug effects/  
RAPHE NUCLEI, drug effects/ \*RAPHE NUCLEI  
physiology/ RATS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
2656. Maurel D: Seasonal changes of the testicular and thyroid functions in the badger, *Meles meles* L. pp. 85-6. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 19  
ANIMAL/ MALE/ MONOGRAPH/  
\*PERIODICITY/ \*RODENTS, physiology/  
SEASONS/ \*TESTIS, physiology/ TESTOSTERON  
blood/ \*THYROID GLAND, physiology/  
THYROIDINE, blood
2657. Mauri C, Quaglini D: Unusual presentation of multiple myeloma: a clinical and biological study of one case. *Haematologica (Pavia)* 63(4):478-87, Aug 78  
ADULT/ BONE AND BONES, radiography/ CA  
REPORT/ FEMALE/ HUMAN/ MULTIPLE  
MYELOMA, complications/ \*MULTIPLE



## AUTHOR SECTION

- MYELOMA, pathology/ MULTIPLE MYELOMA, radiography/ OSTEOLYSIS, etiology/ OSTEOLYSIS, radiography
2658. May RM: Human reproduction reconsidered. *Nature* 272(5653):491-5, 6 Apr 78  
ADOLESCENCE/ AGE FACTORS/ AMENORRHEA, etiology/ BODY HEIGHT/ CHILD/ CONTRACEPTION/ CULTURE/ FEMALE/ FERTILITY/ HUMAN/ LACTATION/ MALE/ MENARCHE/ MENSTRUATION/ OVULATION/ POPULATION CONTROL/ \*POPULATION GROWTH/ PREGNANCY/ \*REPRODUCTION
2659. Maynard PV, Blamey RW, Elston CW, et al: Estrogen receptor assay in primary breast cancer and early recurrence of the disease. *Cancer Res* 38(11 Pt 2):4292-5, Nov 78  
\*BREAST NEOPLASMS, analysis/ BREAST NEOPLASMS, pathology/ BREAST NEOPLASMS, therapy/ FEMALE/ HUMAN/ LYMPHATIC METASTASIS/ \*NEOPLASMS, HORMONE-DEPENDENT, analysis/ NEOPLASMS, HORMONE-DEPENDENT, pathology/ NEOPLASMS, HORMONE-DEPENDENT, therapy/ \*RECEPTORS, ESTROGEN, analysis/ RECURRENCE/ TIME FACTORS
2660. Mazanek-Szymańska E: Wpływ propranololu na współczynnik wiązania trójiodotyroniny w chorobie Gravesa-Basedowa. *Pol Tyg Lek* 33(34):1551-2, 21 Aug 78 (Pol)  
ADOLESCENCE/ ADULT/ FEMALE/ \*GOITER, EXOPHTHALMIC, metabolism/ HUMAN/ MALE/ MIDDLE AGE/ \*PROPRANOLOL, pharmacodynamics/ THYROXINE BINDING PROTEIN, metabolism/ \*TRIIODOTHYRONINE, metabolism
2661. Mazin VV, Milov VG, Doroshenko VM: Gliukokortikoidy i nekotorye biogennye aminy pri ostrom pielonefrite. *Urol Nefrol (Mosk)* (5):12-5, Sep-Oct 78 (Eng. Abstr.) (Rus)  
ACUTE DISEASE/ ADULT/ ENGLISH ABSTRACT/ \*EPINEPHRINE, blood/ FEMALE/ \*HISTAMINE, blood/ HUMAN/ MALE/ MIDDLE AGE/ \*PYELONEPHRITIS, blood/ \*SEROTONIN, blood/ \*17-HYDROXYCORTICOSTEROIDS, blood
2662. Mazorchuk BF, Grigorenko PP, Rasenko AV, et al: Donoshena vahitnist' u poiednanni z dvostoronnim rakom iaiechnykhiv. *Pediatr Akush Ginekol* (4):55-6, Jul-Aug 78 (Ukr)  
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ \*NEOPLASMS, MULTIPLE PRIMARY/ \*OVARIAN NEOPLASMS, complications/ \*PREGNANCY COMPLICATIONS/ PREGNANCY/ \*UTERINE NEOPLASMS, complications
2663. Mazur MH, Dolin R: Herpes zoster at the NIH: a 20 year experience. *Am J Med* 65(5):738-44, Nov 78  
ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ FEMALE/ HERPES ZOSTER, complications/ HERPES ZOSTER, drug therapy/ \*HERPES ZOSTER, occurrence/ HODGKIN'S DISEASE, complications/ HUMAN/ INFANT/ MALE/ MARYLAND/ POSTOPERATIVE COMPLICATIONS/ RADIOTHERAPY, adverse effects/ SPLENECTOMY, adverse effects/ UNITED STATES NATIONAL INSTITUTES OF HEALTH
2664. Mazurik MF, Dikhtenko GI, Gilenko IA: Posledstviia sklerozirovaniia varikozno rasshirenykh ven varikotsidom i vistaridom. *Khirurgiia (Mosk)* (8):69-73, Aug 78 (Eng. Abstr.) (Rus)  
ENGLISH ABSTRACT/ \*FATTY ACIDS, therapeutic use/ FEMALE/ HUMAN/ \*IODINE, therapeutic use/ MALE/ \*SCLEROSING SOLUTIONS, therapeutic use/ \*VARICOSE VEINS, drug therapy
2665. Mazzaferrri EL, Lewis RP: Cardiac systolic time intervals in thyroid disorders [editorial] *Arch Intern Med* 138(10):1470-1, Oct 78  
HUMAN/ \*HYPERTHYROIDISM, physiopathology/ \*HYPOTHYROIDISM, physiopathology/ \*MYOCARDIAL CONTRACTION/ \*SYSTOLE
2666. Mazzocchi G, Neri G, Robba C, et al: Investigations on the turnover of adrenocortical mitochondria. X. A correlated biochemical stereological study of the effects of chronic treatment with chloramphenicol on the mitochondria of the rat zona fasciculata. *Am J Anat* 153(1):67-79, Sep 78  
ADRENAL CORTEX, metabolism/ \*ADRENAL CORTEX, ultrastructure/ ANIMAL/ \*CHLORAMPHENICOL, pharmacodynamics/ LEUCINE, metabolism/ MALE/ MICROSOMES, metabolism/ \*MITOCHONDRIA, drug effects/ MITOCHONDRIA, metabolism/ MITOCHONDRIA, ultrastructure/ RATS
2667. Meares EM Jr: Urologic surgery during pregnancy. *Clin Obstet Gynecol* 21(3):907-20, Sep 78  
ADULT/ BLADDER, injuries/ FEMALE/ FRACTURES, surgery/ HEMANGIOMA, surgery/ HUMAN/ HYPERPARATHYROIDISM, surgery/ KIDNEY, surgery/ LIPOMA, surgery/ OVARY, blood supply/ PELVIC BONES, injuries/ \*PREGNANCY COMPLICATIONS, surgery/ PREGNANCY/ RUPTURE/ URETER, surgery/ URETHRAL OBSTRUCTION, surgery/ URINARY CALCULI, surgery/ URINARY TRACT, injuries/ URINARY TRACT, physiology/ UROGENITAL NEOPLASMS, surgery/ \*UROLOGIC DISEASES, surgery/ VEINS
2668. Mearns AJ, Sherwood MJ: Distribution of neoplasms and other diseases in marine fishes relative to the discharge of waste water. *Ann NY Acad Sci* 298:210-24, 29 Sep 78 (37 ref.)  
ANIMAL/ CALIFORNIA/ EXOPHTHALMOS, veterinary/ EYE DISEASES, veterinary/ \*FISH DISEASES, etiology/ FISHES/ MOUTH NEOPLASMS, veterinary/ NEOPLASMS, etiology/ \*NEOPLASMS, veterinary/ PAPILLOMA, veterinary/ PARASITIC DISEASES, veterinary/ PIGMENTATION DISORDERS, veterinary/ REVIEW/ SEAWATER/ \*SEWAGE/ SKIN NEOPLASMS, veterinary/ UNITED STATES GOV'T SUPPORTED/ \*WASTE DISPOSAL, FLUID/ \*WATER POLLUTANTS, poisoning/ \*WATER POLLUTANTS, CHEMICAL, poisoning
2669. Medvedev NIu: Sindrom vnezapnoi smerti u detei. *Arkh Patol* 40(9):79-85, 1978 (Eng. Abstr.) (Rus)  
AGE FACTORS/ ANIMAL/ ANOXIA, pathology/ ANTIBODIES, analysis/ CATTLE/ ENGLISH ABSTRACT/ FEMALE/ HEART CONDUCTION SYSTEM, pathology/ HUMAN/ INFANT/ INFANT, NEWBORN/ LUNG, pathology/ MALE/ MILK, immunology/ MOUTH BREATHING, physiopathology/ PARATHYROID GLANDS, abnormalities/ REFLEX, ABNORMAL, physiopathology/ RESPIRATORY TRACT INFECTIONS, complications/ SEX FACTORS/ \*SUDDEN INFANT DEATH, etiology/ SUDDEN INFANT DEATH, occurrence/ SUDDEN INFANT DEATH, pathology/ VIRUS DISEASES, complications
2670. Medvedeva GI: K mekhanizmu vliianiia pirogennykh veshchestv na teplereguliruiushchie tsentry pri narushenii funktsii shchitovidnoi zhelezy. *Patol Fiziol Eksp Ter* (4):40-3, Jul-Aug 78 (Eng. Abstr.) (Rus)  
ANIMAL/ \*BODY TEMPERATURE REGULATION/ ENGLISH ABSTRACT/ \*HYPERTHYROIDISM, physiopathology/ \*HYPOTHALAMUS, physiopathology/ \*HYPOTHYROIDISM, physiopathology/ \*PYROGENS, diagnostic use/ RABBITS
2671. Meek JL: Studies of serotonin neurotoxins in discrete brain nuclei. *Ann NY Acad Sci* 305:190-7, 12 Jun 78  
P-CHLOROAMPHETAMINE, pharmacodynamics/ P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ \*BRAIN, drug effects/ BRAIN, metabolism/ NEURONS, drug effects/ NEURONS, metabolism/ RATS/ \*SEROTONIN ANTAGONISTS, pharmacodynamics/ SEROTONIN, analogs & derivatives/ SEROTONIN, metabolism/ SEROTONIN, pharmacodynamics/ TRYPTOPHAN HYDROXYLASE, metabolism
2672. Meeker R, Gisolfi CV, Mora F, et al: Release of  $^{45}\text{Ca}^{2+}$  in the diencephalon of the monkey during feeding and drinking. *Brain Res* 154(2):421-5, 13 Oct 78  
ANIMAL/ \*CALCIUM, metabolism/ \*DRINKING/ \*EATING/ \*HYPOTHALAMUS, metabolism/ MALE/ MONKEYS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2673. Meghji P, Tenner TE Jr, McNeill JH: Reserpine-induced supersensitivity to the inotropic and phosphorylase activating effects of glucagon in the perfused rat heart.



# AUTHOR SECTION

- Eur J Pharmacol 51(1):55-62, 1 Sep 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ DRUG INTERACTIONS/ FEMALE/ \*GLUCAGON, pharmacodynamics/ \*GLYCOGEN PHOSPHORYLASE, metabolism/ IN VITRO/ \*MYOCARDIAL CONTRACTION, drug effects/ \*MYOCARDIUM, enzymology/ MYOCARDIUM, metabolism/ RATS/ \*RESERPINE, pharmacodynamics/ TIME FACTORS
2674. Al-Mehdi MI: Electron cytochemical demonstration of four hydrolytic enzymes in the rat corpora lutea at second half of gestation. Histochemistry 56(3-4):317-27, 12 Jul 78  
\*ACID PHOSPHATASE, analysis/ \*ALKALINE PHOSPHATASE, analysis/ ANIMAL/ \*ARYLSULFATASES, analysis/ \*CORPUS LUTEUM, enzymology/ ENDOPLASMIC RETICULUM, enzymology/ FEMALE/ \*GLUCURONIDASE, analysis/ HISTOCYTOCHEMISTRY/ LYSOSOMES, enzymology/ MICROSCOPY, ELECTRON/ PREGNANCY/ RATS/ \*SULFATASES, analysis/ VACUOLES, enzymology
2675. Mehls O, Ritz E, Gilli G, et al: Effect of vitamin D on growth in experimental uremia. Am J Clin Nutr 31(10):1927-31, Oct 78  
ANIMAL/ \*GROWTH, drug effects/ MALE/ RATS/ \*UREMIA, drug therapy/ \*VITAMIN D, pharmacodynamics/ VITAMIN D, therapeutic use
2676. Meier-Sydow J, Anthor M: Interstitielle Lungenerkrankungen unbekannter Ursache. Prax Klin Pneumol 32(10):631-54, Oct 78 (84 ref.) (Ger)  
ADRENAL CORTEX HORMONES, therapeutic use/ ANTI-INFLAMMATORY AGENTS, therapeutic use/ BIOPSY/ HISTOCYTOCHEMISTRY/ HUMAN/ IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ PULMONARY ALVEOLI, pathology/ \*PULMONARY FIBROSIS/ PULMONARY FIBROSIS, drug therapy/ PULMONARY FIBROSIS, etiology/ PULMONARY FIBROSIS, pathology/ REVIEW
2677. Meijer JC, Lubberink AA, Gruys E: Cushing's syndrome due to adrenocortical adenoma in a cat. Tijdschr Diergeneeskde 103(20):1048-51, 15 Oct 78  
ADENOMA, complications/ ADENOMA, surgery/ \*ADENOMA, veterinary/ ADRENAL CORTEX NEOPLASMS, complications/ ADRENAL CORTEX NEOPLASMS, surgery/ \*ADRENAL CORTEX NEOPLASMS, veterinary/ ANIMAL/ CASE REPORT/ \*CAT DISEASES, etiology/ CATS/ CUSHING'S SYNDROME, etiology/ \*CUSHING'S SYNDROME, veterinary/ FEMALE
2678. Meiri U, Meiri H, Marshall JM: Effects of ovarian steroids on spontaneous and nerve-induced electrical activity of the oviduct and its attached membranes in the rabbit. Biol Reprod 19(1):183-93, Aug 78  
ANIMAL/ CASTRATION/ COMPARATIVE STUDY/ \*ESTRADIOL, pharmacodynamics/ ESTRUS/ FALLOPIAN TUBES, innervation/ \*FALLOPIAN TUBES, physiology/ FEMALE/ \*GONADOTROPINS, CHORIONIC, pharmacodynamics/ \*MUSCLE CONTRACTION, drug effects/ \*MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, innervation/ OVULATION/ OVUM TRANSPORT/ \*PROGESTERONE, pharmacodynamics/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2679. Meistrich ML, Brock WA, Grimes SR, et al: Nuclear protein transitions during spermatogenesis. Fed Proc 37(11):2522-5, Sep 78 (24 ref.)  
ANIMAL/ CELL NUCLEUS/ CELL SEPARATION/ CHROMATIN/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ HISTONES, isolation & purification/ HISTONES, metabolism/ MALE/ \*NUCLEOPROTEINS, metabolism/ RATS/ REVIEW/ SPERMATIDS, analysis/ \*SPERMATOGENESIS/ TESTIS, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2680. Meites J, Huang HH, Riegler GD: Relation of the hypothalamo-pituitary-gonadal system to decline of reproductive functions in aging female rats. Curr Top Mol Endocrinol 3:3-20, 1976 (29 ref.)  
AGE FACTORS/ ANIMAL/ ESTRUS, drug effects/ FEMALE/ FSH, physiology/ \*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ LEVODOPA, pharmacodynamics/ LH, physiology/ LH-FSH RELEASING HORMONE, pharmacodynamics/ \*OVARY, physiology/ PITUITARY GLAND, drug effects/ PREGNANCY/ \*PREGNANCY, ANIMAL/ PROLACTIN, physiology/ \*RATS, physiology/ REVIEW/ SPECIFICITY/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2681. Meitner ER, Magdolenová S, Ochodnická E, et al: Thyroidectomy and liver acid phosphatase from the aspect of circadian rhythm. Folia Morphol (Praha) 26(3):252-4, 1977  
\*ACID PHOSPHATASE, metabolism/ ANIMAL/ \*CIRCADIAN RHYTHM/ \*LIVER, enzymology/ MALE/ RATS/ \*THYROIDECTOMY
2682. Mela L, Wrobel-Kuhl K: Special characteristics of brain mitochondrial calcium accumulation. Ann NY Acad Sci 307:242-5, 28 Apr 78  
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ drug effects/ \*BRAIN, metabolism/ \*CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CARRIER PROTEINS, metabolism/ COMPARATIVE STUDY/ GUINEA PIGS/ IN VITRO/ KINETICS/ MAMMALS/ MEMBRANE, drug effects/ MEMBRANES, metabolism/ MITOCHONDRIA, drug effects/ \*MITOCHONDRIAL, metabolism/ PHOSPHATES, pharmacodynamics/ SPECIES SPECIFICITY/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2683. Melander A: Influence of food on the bioavailability of drugs. Clin Pharmacokinet 3(5):337-51, Sep-Oct 78 (77 ref.)  
ANALGESICS, metabolism/ ANIMAL/ ANTI-INFECTIVE AGENTS, metabolism/ ANTICOAGULANTS, metabolism/ ANTICONVULSANTS, metabolism/ ANTIDEPRESSIVE AGENTS, metabolism/ ANTIHYPERTENSIVE AGENTS, metabolism/ BIOLOGICAL AVAILABILITY/ BRONCHODILATOR AGENTS, metabolism/ DIGITALIS GLYCOSIDES, metabolism/ \*DRUGS, metabolism/ \*FOOD/ HUMAN/ HYPNOTICS AND SEDATIVES, metabolism/ HYPOGLYCEMIC AGENTS, metabolism/ REVIEW/ THYROID ANTAGONISTS, metabolism/ TIME FACTORS/ TRANQUILIZING AGENTS, MAJOR, metabolism/ TRANQUILIZING AGENTS, MINOR, metabolism
2684. Melicow MM: Tumors of testis in elderly men [letter] J Urol 120(4):511, Oct 78  
AGED/ HUMAN/ MALE/ \*TESTICULAR NEOPLASMS, pathology
2685. Mellina IM: Porushennia obminu serotoninu i iohov vzaiemsv'iazok z nevynoshuvanniam vahnitnosti u zhinkoh revmatizmom. Pediatr Akush Ginekolog (4):43-5, Jul-Aug 78 (U)  
\*ABORTION, THREATENED, etiology/ ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ \*HYDROXYINDOLEACETIC ACID, urine/ \*PREGNANCY COMPLICATIONS, CARDIOVASCULAR/ PREGNANCY/ \*RHEUMATIC FEVER, complications/ \*SEROTONIN, blood
2686. Mel'nik PV, Shmidt TE, Malakhovskii VK, et al: Izmene urovnia tsiklicheskih nukleotidov v opukholiakh golovno mozga. Zh Nevropatol Psikhiatr 78(8):1182-4, 1978 (Eng. Abstr.) (R)  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ADULT/ ARACHNOID/ ASTROCYTOMA, analysis/ \*BRAIN NEOPLASMS, analysis/ CEREBELLAR NEOPLASMS, analysis/ ENGLISH ABSTRACT/ FEMALE/ FRONTAL LOBE/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ HUMAN/ MALE/ MENINGEAL NEOPLASMS, analysis/ MENINGIOMA, analysis/ MIDDLE AGED/ PARIETAL LOBE
2687. Mel'nik LA, Kosenko AF: O sezonnykh izmeneniiakh v gipotalamo-neirogipofizarnoi sekretornoj sisteme u morskikh svinek pri vosproizvedenii gistaninovykh iazv zheludka. Fiziolog Zh 24(5):659-66, Sep-Oct 78 (Eng. Abstr.) (R)  
ANIMAL/ ENGLISH ABSTRACT/ FEMALE/ GUINEA PIGS/ \*HISTAMINE/ \*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MALE/ SEASONS/ \*STOMACH ULCER, chemically induced



# AUTHOR SECTION

2688. Melo W, Toro E, Castillo C, et al: Malnutrición fetal en el Hospital Regional de Chillán. Experiencia de un año: 1975-1976. *Rev Chil Pediatr* 48(3-4):141-7, May-Aug 77 (Spa)  
CHILE/ \*FETAL DISEASES, occurrence/  
\*INFANT, LOW BIRTH WEIGHT/ NURSERIES,  
HOSPITAL/ PATIENT CARE TEAM/  
\*PLACENTA DISORDERS, occurrence/  
\*PRENATAL DIAGNOSIS
2689. Meltzer HY, Simonovic M, Fang V, et al: A comparison of the effects of anti-psychotic drugs on pituitary, striatal and limbic system post-synaptic dopamine receptors. *Life Sci* 23(6):605-9, 14 Aug 78 (26 ref.)  
ANIMAL/ COMPARATIVE STUDY/ CORPUS STRIATUM, drug effects/ \*CORPUS STRIATUM, metabolism/ HUMAN/ LIMBIC SYSTEM, drug effects/ \*LIMBIC SYSTEM, metabolism/ MALE/ PITUITARY GLAND, drug effects/ \*PITUITARY GLAND, metabolism/ PROLACTIN, secretion/ \*RECEPTORS, DOPAMINE, drug effects/ REVIEW/ SOMATOTROPIN, secretion/ \*TRANQUILIZING AGENTS, MAJOR, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2690. Meltzer HY, Simonovic M, Fang VS: The effect of muscimol on prolactin secretion in male rats. *Commun Psychopharmacol* 2(3):231-6, 1978  
ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GABA, metabolism/ HALOPERIDOL, pharmacodynamics/ MALE/ METHYLTYROSINES, pharmacodynamics/ \*MUSCIMOL, pharmacodynamics/ \*OXAZOLES, pharmacodynamics/ PREMEDICATION/  
\*PROLACTIN, blood/ RATS/ SYNAPTIC RECEPTORS, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2691. Meltzer HY, Fessler RG, Fang VS: Effect of piperoxane on rat plasma prolactin. *Commun Psychopharmacol* 2(3):237-42, 1978  
ANIMAL/ CLONIDINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ MALE/ \*PIPERIDINES, pharmacodynamics/  
\*PIPEROXAN, pharmacodynamics/ \*PROLACTIN, blood/ RATS/ RECEPTORS, ADRENERGIC, ALPHA, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2692. Meltzer HY, Simonovic M, Fessler RG: Neuropharmacological studies of prolactin secretion. *Psychopharmacol Bull* 14(4):26-9, Oct 78  
ANIMAL/ ENKEPHALINS, pharmacodynamics/ GABA, pharmacodynamics/ MALE/ \*PROLACTIN, metabolism/ \*PSYCHOTROPIC DRUGS, pharmacodynamics/ RATS
2693. Melvin GR, Aceto T Jr, Barlow J, et al: Iatrogenic congenital goiter and hypothyroidism with respiratory distress in a newborn. *SD J Med* 31(10):15-9, Oct 78  
ASTHMA, drug therapy/ CASE REPORT/ EPHEDRINE, adverse effects/ FEMALE/ GOITER, chemically induced/ \*GOITER, congenital/ HUMAN/ HYPOTHYROIDISM, chemically induced/  
\*HYPOTHYROIDISM, congenital/ INFANT, NEWBORN/ \*IODIDES, adverse effects/  
MATERNAL-FETAL EXCHANGE/  
PHENOBARBITAL, adverse effects/ PREGNANCY COMPLICATIONS, drug therapy/ PREGNANCY/  
\*RESPIRATORY INSUFFICIENCY, complications/  
SALICYLATES, adverse effects/ THEOPHYLLINE, adverse effects
2694. Mena Gomez MA, Carlsson A, Garcia de Yebenes J: The effect of beta-alanine on motor behaviour, body temperature and cerebral monoamine metabolism in rat. *J Neural Transm* 43(1):1-9, 1978  
\*ALANINE, pharmacodynamics/ ANIMAL/  
\*BIOGENIC AMINES, metabolism/ \*BODY TEMPERATURE, drug effects/ \*BRAIN, metabolism/  
DOPAMINE, metabolism/  
HYDROXYINDOLEACETIC ACID, metabolism/  
INJECTIONS, INTRAPERITONEAL/  
INJECTIONS, INTRAVENTRICULAR/ MALE/  
\*MOTOR ACTIVITY, drug effects/  
NOREPINEPHRINE, metabolism/ RATS/  
SEROTONIN, metabolism/ 3-AMINOPROPIONIC ACID, administration & dosage/  
\*3-AMINOPROPIONIC ACID, pharmacodynamics
- administration of spironolactone on the concentration of plasma testosterone, estradiol and cortisol in male dogs (1). *Steroids* 31(6):771-82, Jun 78  
ANIMAL/ CYTOCHROME P-450, metabolism/  
DOGS/ \*ESTRADIOL, blood/  
\*HYDROCORTISONE, blood/ MALE/  
SPERMATOZOA, metabolism/  
\*SPIRONOLACTONE, pharmacodynamics/ TESTIS, enzymology/ \*TESTOSTERONE, blood/ TIME FACTORS
2696. Mennini T, Pataccini R, Samanin R: Effects of narcotic analgesics on the uptake and release of 5-hydroxytryptamine in rat synaptosomal preparations. *Br J Pharmacol* 64(1):75-82, Sep 78  
\*ANALGESICS, ADDICTIVE, pharmacodynamics/  
ANIMAL/ BRAIN, metabolism/ BRAIN, ultrastructure/ IN VITRO/ KINETICS/ MALE/  
RATS/ \*SEROTONIN, metabolism/  
SYNAPTOSOMES, drug effects/ \*SYNAPTOSOMES, metabolism
2697. Menon C, Berry EW, Ockelford P: Beneficial effect of D.D.A.V.P. on bleeding-time in von Willebrand's disease [letter] *Lancet* 2(8092 Pt 1):743-4, 30 Sep 78  
\*ARGIPRESSIN, therapeutic use/ BLOOD COAGULATION, drug effects/ \*DESMOPRESSIN, therapeutic use/ FEMALE/ \*HEMORRHAGE, prevention & control/ HUMAN/ PREOPERATIVE CARE/ TIME FACTORS/ \*TOOTH EXTRACTION/ \*VON WILLEBRAND'S DISEASE, blood
2698. Merkulova TI, Morozova TM, Iakovleva GE, et al: Retsepsiia éstradiola i induktsiia fermentov v opukholiakh molochnykh zhelez myshei. *Vopr Onkol* 24(8):19-26, 1978 (Eng. Abstr.) (Rus)  
ANIMAL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ \*ESTRADIOL/ FEMALE/  
GLUCOSEPHOSPHATE DEHYDROGENASE, metabolism/ HEXOKINASE, metabolism/  
MAMMARY NEOPLASMS, EXPERIMENTAL, enzymology/ \*MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ MICE/ MICE, INBRED C3H/ MICE, INBRED STRAINS/  
NEOPLASMS, HORMONE-DEPENDENT, enzymology/ \*NEOPLASMS, HORMONE-DEPENDENT, metabolism/  
\*PROGESTERONE/ PYRUVATE KINASE, metabolism/ \*RECEPTORS, ESTROGEN, metabolism/ SPECIES SPECIFICITY
2699. Mertelli MF, Rambotti P, Velardi A, et al: Angio-immunoblastic lymphadenopathy. Report of a case with pleural effusion. *Folia Haematol (Leipz)* 105(3):306-11, 1978  
AGED/ BLOOD PROTEIN DISORDERS, etiology/  
CASE REPORT/ CYCLOPHOSPHAMIDE, therapeutic use/ HUMAN/ \*IMMUNOBLASTIC LYMPHADENOPATHY, complications/  
IMMUNOBLASTIC LYMPHADENOPATHY, drug therapy/ IMMUNOGLOBULINS, analysis/ LYMPH NODES, pathology/ MALE/ NITROGEN MUSTARD COMPOUNDS, therapeutic use/  
\*PLEURAL EFFUSION, etiology/ PREDNISONE, therapeutic use/ VINCRISTINE, therapeutic use
2700. Messiha FS, Girgis SM: Aldehyde dehydrogenase activity in the male rat reproductive tissues. *Proc West Pharmacol Soc* 21:353-6, 1978  
\*ALDEHYDE OXIDOREDUCTASES, metabolism/  
ANIMAL/ ESTRADIOL, pharmacodynamics/  
GENITALIA, MALE, drug effects/ \*GENITALIA, MALE, enzymology/ IN VITRO/ MALE/ NAD, metabolism/ NADP, metabolism/ RATS/  
TESTOSTERONE, pharmacodynamics
2701. Mészáros C, Debreczeni M, Szabolcsy M: Immunologische Untersuchungen bei Arzneimittelallergie. *Z Hautkr* 53(18):638-40, 15 Sep 78 (Ger)  
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AMINOPYRINE, adverse effects/ ANAPHYLAXIS, immunology/ ANGIONEUROTIC EDEMA, immunology/ DRUG HYPERSENSITIVITY, drug therapy/ \*DRUG HYPERSENSITIVITY, immunology/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PENICILLINS, adverse effects/  
TIME FACTORS/ URTICARIA, immunology
2702. Metcalf G, Myers RD: Precise location within the preoptic

## AUTHOR SECTION

- area where noradrenaline produces hypothermia.  
Eur J Pharmacol 51(1):47-53, 1 Sep 78  
ANIMAL/ \*BODY TEMPERATURE, drug effects/  
CATS/ FEMALE/ \*HYPOTHALAMUS, physiology/  
MALE/ \*NOREPINEPHRINE, pharmacodynamics/  
\*PREOPTIC AREA, anatomy & histology/  
\*PREOPTIC AREA, physiology/ RESPIRATION,  
drug effects/ TIME FACTORS/ VASODILATOR  
AGENTS
2703. Metcalf MG: Use of a sulfate: hydrogen sulfate buffer to  
preserve urine for steroid analysis. Clin Biochem 11(3):101-2,  
Jun 78  
BUFFERS/ CREATININE, urine/ DRUG  
STABILITY/ ESTROGENS, urine/ HUMAN/  
HYDROGEN-ION CONCENTRATION/  
KETOSTEROIDS, urine/ SPECIMEN HANDLING/  
\*STEROIDS, urine/ \*SULFATES
2704. Metz B, Brandenberger G, Follenius M: Endocrine responses  
to acoustic stresses. pp. 262-9.  
In: Assenmacher I, Farner DS, ed. Environmental  
endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.  
(35 ref.)  
ANIMAL/ BRAIN, metabolism/ CORTICOTROPIN,  
blood/ \*HORMONES, physiology/ HUMAN/  
HYDROCORTISONE, blood/ MONOGRAPH/  
\*NOISE/ NOREPINEPHRINE, metabolism/  
REVIEW/ \*STRESS, physiopathology
2705. Metz J, Aoki A, Forssmann WG: Studies on the ultrastructure  
and permeability of the hemotrichorial placenta. I.  
Intercellular junctions of layer I and tracer administration  
into the maternal compartment. Cell Tissue Res  
192(3):391-407, 26 Sep 78  
ANIMAL/ CELL MEMBRANE, ultrastructure/  
FEMALE/ HORSERADISH PEROXIDASE/  
INTERCELLULAR JUNCTIONS, ultrastructure/  
LANTHANUM/ \*MATERNAL-FETAL  
EXCHANGE/ PERMEABILITY/ PLACENTA,  
physiology/ \*PLACENTA, ultrastructure/  
PREGNANCY/ RATS
2706. Metz H, Schleunung C: Über den Einfluss exogener und  
endogener Faktoren auf die Ausprägung des  
Neugeborenenikterus. Klin Paediatr 190(5):474-8, Sep 78  
(Eng. Abstr.) (Ger)  
\*BILIRUBIN, blood/ BIRTH WEIGHT/ ENGLISH  
ABSTRACT/ FEMALE/ FETAL MEMBRANES,  
PREMATURE RUPTURE, complications/  
GESTATIONAL AGE/ HUMAN/ INFANT, LOW  
BIRTH WEIGHT/ INFANT, NEWBORN/  
\*JAUNDICE, NEONATAL, etiology/ LABOR  
COMPLICATIONS, complications/ MATERNAL  
AGE/ ORGAN WEIGHT/ PLACENTA  
DISORDERS/ PREGNANCY TOXEMIAS,  
complications/ PREGNANCY/ SEX FACTORS
2707. Meuli HC, Meyer V, Segmüller G: Stabilization of bone in  
replantation surgery of the upper limb. Clin Orthop  
(133):179-83, Jun 78  
\*BONE AND BONES, surgery/ FRACTURE  
FIXATION, INTERNAL/ \*HAND, surgery/  
HUMAN/ \*ORTHOPEDIC FIXATION DEVICES/  
\*REIMPLANTATION
2708. Meyer G, Ferres-Torres R, Mas M: The effects of puberty  
and castration on hippocampal dendritic spines of mice. A  
Golgi study. Brain Res 155(1):108-12, 20 Oct 78  
AGE FACTORS/ ANIMAL/ \*CASTRATION/  
CELL NUMBER/ \*DENDRITES, ultrastructure/  
\*HIPPOCAMPUS, cytology/ MALE/ MICE/ \*SEX  
MATURATION
2709. Meyer JS, Stevens SC, White WL, et al: Estrogen receptor  
assay of carcinomas of the breast by a simplified  
dextran-charcoal method. Am J Clin Pathol 70(4):655-64,  
Oct 78  
AGE FACTORS/ \*BREAST NEOPLASMS,  
metabolism/ BREAST, metabolism/ \*CARCINOMA,  
metabolism/ \*CHARCOAL/ \*DEXTRANS/  
ESTRADIOL, blood/ FEMALE/ FREEZING/  
HUMAN/ MIDDLE AGE/ NEOPLASM  
METASTASIS/ \*RECEPTORS, ESTROGEN,  
analysis
2710. Meyers AM: Hypertension and renal parenchymatous disease.  
S Afr Med J 53(24):983-5, 14 Jun 78  
ANIMAL/ FEMALE/ HEMODIALYSIS/ HUMAN/  
\*HYPERTENSION, complications/  
HYPERTENSION, MALIGNANT, complications/  
\*KIDNEY FAILURE, ACUTE, complications/  
\*KIDNEY FAILURE, CHRONIC, complications/  
KIDNEY, physiology/ RENIN, blood/ UREMIA,  
complications
2711. Meyers B: Treatment of imipramine-resistant depression a  
lithium-refractory mania through drug interactions.  
Am J Psychiatry 135(11):1420-1, Nov 78  
ADULT/ CASE REPORT/ \*CHLOROTHIAZIDE,  
administration & dosage/ CHLOROTHIAZIDE,  
pharmacodynamics/ DIABETES INSIPIDUS,  
prevention & control/ DRUG INTERACTIONS/  
HUMAN/ IMIPRAMINE, blood/ \*IMIPRAMINE,  
therapeutic use/ \*LITHIUM, therapeutic use/ MAL  
\*METHYLPHENIDATE, administration & dosage/  
METHYLPHENIDATE, pharmacodynamics/  
\*PSYCHOSES, MANIC-DEPRESSIVE, drug therapy
2712. Mialhe C, Briaud B, Koch B: Is posterior-hypophysial  
corticotropin involved in neurogenic stress? pp. 260-1.  
In: Assenmacher I, Farner DS, ed. Environmental  
endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.  
ANIMAL/ \*CORTICOTROPIN, physiology/  
HUMAN/ MONOGRAPH/ \*PITUITARY GLAND,  
POSTERIOR, physiopathology/ \*STRESS,  
physiopathology
2713. Miasnikova GP, Potin VV, Prorokova VK, et al: Sostoiianie  
gipotalamo-gipofizarno-iaichnikovoi sistemy u zhenshch  
posle fiziologicheskikh rodov. Akush Ginekol (Mosk)  
(8):17-20, Aug 78 (Eng. Abstr.) (R)  
ADOLESCENCE/ ADULT/ COMPARATIVE  
STUDY/ ENGLISH ABSTRACT/ ESTROGENS,  
urine/ FEMALE/ GONADOTROPINS, blood/  
HUMAN/ \*HYPOTHALAMO-HYPOPHYSIAL  
SYSTEM, physiology/ \*LABOR/ LH-FSH  
RELEASING HORMONE, diagnostic use/ \*OVAR  
physiology/ PREGNANCY/ PREGNANEDIOL,  
urine/ \*PUERPERIUM
2714. Michael RP, Richter MC, Cain JA, et al: Artificial menstr  
cycles, behaviour and the role of androgens in female rhes  
monkeys. Nature 275(5679):439-40, 5 Oct 78  
ANIMAL/ CASTRATION/ COPULATION, drug  
effects/ EJACULATION/ \*ESTRADIOL,  
pharmacodynamics/ FEMALE/ \*MENSTRUATION  
drug effects/ MONKEYS/ \*PROGESTERONE,  
pharmacodynamics/ RHESUS MONKEYS/ \*SEX  
BEHAVIOR, ANIMAL, drug effects/  
TESTOSTERONE, blood/ \*TESTOSTERONE,  
pharmacodynamics/ UNITED STATES GOV'T  
SUPPORTED
2715. Michael RP, Zumpe D: Annual cycles of aggression and plas  
testosterone in captive male rhesus monkeys.  
Psychoneuroendocrinology 3(2):217-20, Apr 78  
\*ACTIVITY CYCLES/ \*AGGRESSION, physiolog  
ANIMAL/ CASTRATION/ \*CIRCADIAN  
RHYTHM/ FEMALE/ MALE/ MONKEYS/  
RHESUS MONKEYS/ SEX BEHAVIOR, ANIMAL  
physiology/ \*TESTOSTERONE, blood/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
2716. Michie W, Beck JS, Pollet JE: Prevention and managem  
of hypothyroidism after thyroidectomy for thyrotoxicosis  
World J Surg 2(3):307-19, May 78  
AUTOANTIBODIES/ GOITER, EXOPHTHALM  
surgery/ GOITER, NODULAR, surgery/ HUMAN  
HYPERTHYROIDISM, drug therapy/  
HYPERTHYROIDISM, immunology/  
\*HYPERTHYROIDISM, surgery/  
HYPOTHYROIDISM, etiology/  
\*HYPOTHYROIDISM, therapy/ PREOPERATIVE  
CARE/ \*THYROIDECTOMY, adverse effects
2717. Micic R, Stanimirovic D, Papo I, et al: Livedo reticularis  
primarni adenomski aldosteronizam. Srp Arh Celok Lek  
105(11):975-83, Nov 77 (Eng. Abstr.) (S)  
ADENOMA, complications/ ADRENAL GLAND  
NEOPLASMS, complications/ ADULT/ CASE  
REPORT/ ENGLISH ABSTRACT/ FEMALE/  
HUMAN/ \*HYPERALDOSTERONISM,  
complications/ \*SKIN, blood supply/ \*VASCULAR  
DISEASES, complications
2718. Michle W: Polymyalgia arteriitica. Fortschr Med  
96(37):1836-42, 5 Oct 78 (Eng. Abstr.) (G)  
ADRENAL CORTEX HORMONES, therapeutic use/  
AGE FACTORS/ AGED/ ENGLISH ABSTRACT/  
EYE MANIFESTATIONS/ FEMALE/ HUMAN/  
LYMPHOCYTE TRANSFORMATION/ MALE/



## AUTHOR SECTION

- MIDDLE AGE/ \*POLYMYALGIA RHEUMATICA/ POLYMYALGIA RHEUMATICA, complications/ POLYMYALGIA RHEUMATICA, drug therapy/ POLYMYALGIA RHEUMATICA, physiopathology/ SEX FACTORS/ SKIN MANIFESTATIONS
719. Mieno M, Yamashita E, Iimori M, et al: An inhibitory effect of melatonin on the luteinizing hormone releasing activity of luteinizing hormone releasing hormone in immature male dogs. *J Endocrinol* 78(2):283-4, Aug 78
- ANIMAL/ DEPRESSION, CHEMICAL/ DOGS/ \*LH, secretion/ \*LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ \*MELATONIN, pharmacodynamics/ PITUITARY GLAND, drug effects/ \*PITUITARY GLAND, secretion/ SECRETORY RATE, drug effects/ SEX MATURATION/ TESTIS, secretion/ 17-KETOSTEROIDS, secretion
720. Miéville C: Diagnostic différentiel de la dépression. *Rev Med Suisse Romande* 98(9):499-505, Sep 78 (Fre)
- AGED/ ALCOHOLISM, diagnosis/ CASE REPORT/ \*DEPRESSION, diagnosis/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPOCHONDRIASIS, diagnosis/ MENOPAUSE/ PREDIABETIC STATE, diagnosis/ PSYCHOPHYSIOLOGIC DISORDERS, diagnosis/ THYROID DISEASES, diagnosis
721. Mikhailov Ium, Shikhsaidov II: K otsenke vlianiia obzidana na sokratitel'nuu funktsiiu serdtsa bol'nykh toksicheskim zobom. *Probl Endokrinol (Mosk)* 24(5):29-36, Sep-Oct 78 (Eng. Abstr.) (Rus)
- CLINICAL RESEARCH/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ GOITER, EXOPHTHALMIC, drug therapy/ \*GOITER, EXOPHTHALMIC, physiopathology/ HEART RATE, drug effects/ HUMAN/ KINETOCARDIOGRAPHY/ MALE/ METHIMAZOLE, therapeutic use/ \*MYOCARDIAL CONTRACTION, drug effects/ PREDNISOLONE, therapeutic use/ \*PROPRANOLOL, therapeutic use/ RHAMNOSE, analogs & derivatives/ RHAMNOSE, therapeutic use/ STROPHANTHINS, therapeutic use/ TIME FACTORS
722. Miki N, Wakabayashi K, Miyazawa Y, et al: [Somatostatin-like substance of the cerebrospinal fluid in acromegaly and idiopathic pituitary dwarfism] *Horomon To Rinsho* 26(6):561-4, Jun 78 (Jpn)
- \*ACROMEGALY, cerebrospinal fluid/ \*DWARFISM, PITUITARY, cerebrospinal fluid/ HUMAN/ \*SOMATOTROPIN RELEASE INHIBITING HORMONE, cerebrospinal fluid
723. Mikuni T, Sato K, Hara M: [Thyroid (author's transl)] *Rinsho Byori* 26(6):478-82, Jun 78 (Jpn)
- HUMAN/ HYPOTHYROIDISM, diagnosis/ \*THYROID FUNCTION TESTS/ \*THYROTROPIN RELEASING HORMONE, diagnostic use/ \*THYROXINE, blood/ \*TRIIODOTHYRONINE, blood
724. Milcu SM: Les neurohormones. *Endocrinologie* 16(3):235-6, Jul-Sep 78 (Fre)
- GONADOTROPINS, PITUITARY/ HUMAN/ \*HYPOTHALAMIC HORMONES/ \*PITUITARY HORMONE RELEASING HORMONES/ \*PITUITARY HORMONES/ \*SOMATOTROPIN RELEASE INHIBITING HORMONE
725. Milei J: Efecto de la prenilamina sobre la captación de <sup>45</sup>Ca en el miocardio de ratas tratadas con isoproterenol. *Medicina (B Aires)* 38(3):271-5, May-Jun 78 (Eng. Abstr.) (Spa)
- ANIMAL/ \*CALCIUM, metabolism/ ENGLISH ABSTRACT/ \*ISOPROTERENOL, pharmacodynamics/ \*MYOCARDIUM, metabolism/ MYOCARDIUM, pathology/ \*PRENYLAMINE, antagonists & inhibitors/ RATS
726. Miles JH, Kaback MM: Prenatal diagnosis of hereditary disorders. *Pediatr Clin North Am* 25(3):593-618, Aug 78 (218 ref.)
- ABORTION/ AMNIOCENTESIS/ AMNIOSCOPY/ CHROMOSOME ABNORMALITIES, diagnosis/ FEMALE/ FETOSCOPY/ GENETIC COUNSELING/ \*HEREDITARY DISEASES, diagnosis/ HUMAN/ MATERNAL AGE/ METABOLISM, INBORN ERRORS, diagnosis/ PREGNANCY/ \*PRENATAL DIAGNOSIS/ REVIEW/ RISK/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ ULTRASONICS, diagnostic use
2727. Miletich JP, Majerus DW, Majerus PW: Patients with congenital factor V deficiency have decreased factor Xa binding sites on their platelets. *J Clin Invest* 62(4):824-31, Oct 78
- ADULT/ BINDING SITES/ \*BLOOD PLATELETS, metabolism/ \*FACTOR V DEFICIENCY, blood/ FACTOR V DEFICIENCY, congenital/ FACTOR V, analysis/ FACTOR V, metabolism/ \*FACTOR X, metabolism/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ PROTEIN BINDING/ SEROTONIN, blood/ THROMBIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2728. Milgrom E: Vingt années de recherches sur les mécanismes moléculaires de l'action des hormones stéroïdes. *Pathol Biol (Paris)* 26(5):215-7, May-Jun 78 (Fre)
- ANIMAL/ \*ENDOCRINOLOGY, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ \*HORMONES, physiology/ HUMAN/ RECEPTORS, HORMONE, drug effects/ STEROIDS, physiology
2729. Milhaud G, Calmettes C, Jullienne A, et al: Hormone parathyroïdienne biologiquement active et hypercalcémies. *Sem Hop Paris* 54(13-16):489-95, May 78 (Eng. Abstr.) (Fre)
- CALCITONIN, blood/ ENGLISH ABSTRACT/ HUMAN/ \*HYPERCALCEMIA, diagnosis/ \*PARATHYROID HORMONE, blood/ RADIOIMMUNOASSAY
2730. Miller AB: An overview of hormone-associated cancers. *Cancer Res* 38(11 Pt 2):3985-90, Nov 78 (47 ref.)
- \*BREAST NEOPLASMS, etiology/ CAUCAOID RACE/ DIET, adverse effects/ EPIDEMIOLOGIC METHODS/ FEMALE/ \*HORMONES, physiology/ HUMAN/ MALE/ MATERNAL AGE/ NEGROID RACE/ \*NEOPLASMS, HORMONE-DEPENDENT, etiology/ \*OVARIAN NEOPLASMS, etiology/ PARITY/ PREGNANCY/ \*PROSTATIC NEOPLASMS, etiology/ REVIEW/ RISK/ \*UTERINE NEOPLASMS, etiology
2731. Miller AL, Chaptal C, McEwen BS, et al: Modulation of high affinity GABA uptake into hippocampal synaptosomes by glucocorticoids. *Psychoneuroendocrinology* 3(2):155-64, Apr 78
- ADRENALECTOMY/ ANIMAL/ CEREBELLUM, metabolism/ \*CORTICOSTERONE, pharmacodynamics/ FRONTAL LOBE, metabolism/ \*GABA, metabolism/ HIPPOCAMPUS, drug effects/ \*HIPPOCAMPUS, metabolism/ MALE/ RATS/ RECEPTORS, GLUCOCORTICOID, drug effects/ SYNAPTOSOMES, drug effects/ \*SYNAPTOSOMES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2732. Miller LJ, Gorman CA, Go VL: Gut-thyroid interrelationships. *Gastroenterology* 75(5):901-11, Nov 78 (204 ref.)
- ANIMAL/ ENTEROHEPATIC CIRCULATION/ FEEDBACK/ GALLBLADDER DISEASES, etiology/ GALLBLADDER DISEASES, physiopathology/ GASTRIC JUICE, secretion/ GASTROINTESTINAL DISEASES, metabolism/ \*GASTROINTESTINAL DISEASES, physiopathology/ GASTROINTESTINAL MOTILITY/ GASTROINTESTINAL SYSTEM, metabolism/ \*GASTROINTESTINAL SYSTEM, physiology/ HUMAN/ INTESTINAL ABSORPTION/ INTESTINAL DISEASES, metabolism/ INTESTINAL DISEASES, physiopathology/ INTESTINES, metabolism/ KIDNEY, metabolism/ LIVER DISEASES, etiology/ LIVER DISEASES, metabolism/ LIVER DISEASES, physiopathology/ LIVER, metabolism/ MALABSORPTION SYNDROMES, etiology/ MALABSORPTION SYNDROMES, physiopathology/ PANCREATIC DISEASES, metabolism/ PANCREATIC DISEASES, physiopathology/ REVIEW/ STOMACH DISEASES, metabolism/ STOMACH DISEASES, physiopathology/ THYROID DISEASES, metabolism/ \*THYROID DISEASES, physiopathology/ \*THYROID GLAND, physiology/ THYROID GLAND, physiopathology/ THYROID

## AUTHOR SECTION

- HORMONES, metabolism/ \*THYROID HORMONES, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2733. Miller MA, Parker JM, Colás AE: Circadian rhythm of rat hepatic cytochrome P-450 reductase. *Life Sci* 23(3):217-22, 17 Jul 78  
ADRENALECTOMY/ ANIMAL/ CIRCADIAN RHYTHM/ \*CYTOCHROME REDUCTASES, metabolism/ DARKNESS/ LIGHT/ \*LIVER, enzymology/ MALE/ \*NADPH CYTOCHROME C REDUCTASE, metabolism/ PINEAL BODY, physiology/ RATS/ TIME FACTORS
2734. Miller WR, Forrest AP: In vitro effects of oestrogen on testosterone metabolism by human breast cancers. *Eur J Cancer* 14(8):865-7, Aug 78  
\*BREAST NEOPLASMS, metabolism/ \*ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ IN VITRO/ \*TESTOSTERONE, metabolism
2735. Millhouse OE: Cytological observations on the ventromedial hypothalamic nucleus. *Cell Tissue Res* 191(3):473-91, 16 Aug 78  
ANIMAL/ \*HYPOTHALAMUS, cytology/ \*HYPOTHALAMUS, MEDIAL, cytology/ \*NEURONS, cytology/ NEURONS, ultrastructure/ ORGANOIDs, ultrastructure/ RATS/ SYNAPSES, ultrastructure/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2736. Millman WL, Ajlouni K, Heckman MG, et al: Hypercalcemia, metastatic calcifications and cardiac abnormalities. *Wis Med J* 77(9):S91-4, Sep 78  
ADULT/ \*ARRHYTHMIA, etiology/ CASE REPORT/ HEART CONDUCTION SYSTEM, metabolism/ HUMAN/ \*HYPERCALCEMIA, complications/ HYPERCALCEMIA, metabolism/ MALE/ \*SHOCK, CARDIOGENIC, etiology/ UNITED STATES GOV'T SUPPORTED
2737. Milne FJ: The adrenal cortex. *S Afr Med J* 53(24):969-74, 14 Jun 78  
\*ADRENAL CORTEX, physiopathology/ CUSHING'S SYNDROME, physiopathology/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ HYPERALDOSTERONISM, surgery/ HYPERTENSION, chemically induced/ MINERALOCORTICOIDs, adverse effects/ MINERALOCORTICOIDs, secretion
2738. Milne J: Renovascular hypertension. *S Afr Med J* 53(24):978-81, 14 Jun 78  
ADULT/ AORTA, ABDOMINAL/ AORTIC DISEASES, diagnosis/ CASE REPORT/ FEMALE/ HUMAN/ HYPERTENSION, MALIGNANT, therapy/ HYPERTENSION, RENAL, diagnosis/ \*HYPERTENSION, RENAL, etiology/ HYPERTENSION, RENAL, surgery/ MALE/ MIDDLE AGE/ POSTOPERATIVE COMPLICATIONS/ RENAL ARTERY STENOSIS, complications/ RENIN, blood
2739. Milone M, Iela L, Esposito V, et al: Annual variations in the total lipid and protein content of the liver, fat body, ovary and plasma of the female frog (*Rana esculenta* L.). *J Endocrinol* 78(2):165-9, Aug 78  
ANIMAL/ BLOOD PROTEINS, analysis/ FEMALE/ FROGS/ \*LIPIDS, metabolism/ \*LIVER, metabolism/ ORGAN WEIGHT/ \*OVARY, metabolism/ PERIODICITY/ \*PROTEINS, metabolism/ \*RANA ESCULENTA, metabolism
2740. Mimran A, Casellas D, Dupont M, et al: Effect of a competitive angiotensin antagonist on the renal haemodynamic changes induced by inhibition of prostaglandin synthesis in rats. *Clin Sci Mol Med* 48 Suppl 2:299s-302s, Jun 75  
ANGIOTENSIN II, physiology/ ANIMAL/ \*BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/ DIET/ \*INDOMETHACIN, pharmacodynamics/ \*KIDNEY, blood supply/ MALE/ \*PROSTAGLANDINS, biosynthesis/ RATS/ REGIONAL BLOOD FLOW/ SARALASIN, pharmacodynamics/ SODIUM CHLORIDE
2741. Mims RB: Endocrine function in a patient with asymmetrical acral hypertrophy and gigantism: a possible variant of the Kippel-Trenaunay syndrome. *J Natl Med Assoc* 70(2):125-8, Feb 78  
ADULT/ \*ANGIOMATOSIS, physiopathology/
- \*ARM, pathology/ CASE REPORT/ \*GIGANTISM, physiopathology/ \*GONADOTROPINS, PITUITARY, metabolism/ HUMAN/ HYPERTROPHY/ \*KLIPPEL-TRENAUNAY DISEASE, physiopathology/ \*LEG, pathology/ MALE/ SOMATOMEDIN, metabolism/ SOMATOTROPIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2742. Mims RB: Suppression of the hypothalamic-pituitary-adrenal axis after oral hydrocortisone succinate ingestion in rats. *J Natl Med Assoc* 70(1):37-40, Jan 78  
ADMINISTRATION, ORAL/ ANIMAL/ CORTICOSTERONE, blood/ CORTICOTROPIN, metabolism/ FEMALE/ \*HYDROCORTISONE, analogs & derivatives/ HYDROCORTISONE, pharmacodynamics/ \*HYPOTHALAMO-HYPOPHYSAL SYSTEM, drug effects/ \*PITUITARY-ADRENAL SYSTEM, drug effects/ RATS/ STRESS/ SUCCINATES, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2743. Minns G, Nowlin NS, Day H: Hyperthyroidism and periodic paralysis. Hypokalemia in a black patient. *J Kans Med Soc* 79(9):509-10, Sep 78  
ADULT/ BLACKS/ HUMAN/ \*HYPERTHYROIDISM, complications/ \*HYPOKALEMIA, etiology/ MALE/ \*PARALYSIS FAMILIAL PERIODIC, complications
2744. Miranda C, Scaro JL: Effects of testosterone on splenic bone marrow erythropoiesis of fasted mice. *Rev Esp Fisiol* 34(2):173-5, Jun 78  
ANIMAL/ BONE MARROW, drug effects/ \*BONE MARROW, metabolism/ \*ERYTHROPOIESIS, drug effects/ ERYTHROPOIETIN, metabolism/ \*ERYTHROPOIETIN, pharmacodynamics/ \*FASTING/ FEMALE/ MICE/ MICE, INBRED C3H/ SPLEEN, drug effects/ \*SPLEEN, metabolism/ \*TESTOSTERONE, pharmacodynamics
2745. Mirkov K, Rizov B: Metod za provezhdane kuldoskopija p rentgenov kontrol. *Akush Ginekol (Sofia)* 17(4):269-76, 1978 (Eng. Abstr.)  
CULDOSCOPY, instrumentation/ \*CULDOSCOPY methods/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYSTEROSALPINGOGRAPHY/ \*PELVIS, radiography/ PNEUMORADIOGRAPHY/ PREMEDICATION/ STEIN-LEVENTHAL SYNDROME, diagnosis/ STERILITY, FEMALE, diagnosis
2746. Mishra RK, Wong YW, Varmuza SL, et al: Chemical lesion and drug induced supersensitivity and subsensitivity of caudate dopamine receptors. *Life Sci* 23(5):443-6, 7 Aug 78  
ADENYL CYCLASE, metabolism/ ANIMAL/ \*CAUDATE NUCLEUS, drug effects/ CAUDATE NUCLEUS, metabolism/ DOPAMINE, pharmacodynamics/ HALOPERIDOL, metabolism/ \*HYDROXYDOPAMINE, pharmacodynamics/ IN VITRO/ MALE/ RATS/ \*RECEPTORS, DOPAMINE, drug effects/ RECEPTORS, DOPAMINE, metabolism/ \*SUBSTANTIA NIGRA, drug effects
2747. Miskin M, Noyek AM, Kazdan MS: Diagnostic ultrasound otolaryngology. *Otolaryngol Clin North Am* 11(2):513-4, Jun 78  
HEAD AND NECK NEOPLASMS, diagnosis/ HUMAN/ ORBITAL NEOPLASMS, diagnosis/ \*OTORHINOLARYNGOLOGIC DISEASES, diagnosis/ THYROID DISEASES, diagnosis/ \*ULTRASONICS, diagnostic use
2748. Misra V, Misra RN, Unger WG: Role of nutmeg in inhibiting prostaglandin biosynthesis. *Indian J Med Res* 67:482-4, M 78  
ANIMAL/ \*CONDIMENTS/ DEPRESSION, CHEMICAL/ IN VITRO/ \*KIDNEY, drug effects/ KIDNEY, metabolism/ \*NUTMEG/ \*PLANT EXTRACTS, pharmacodynamics/ \*PROSTAGLANDINS, biosynthesis/ RATS
2749. Mitani H: [A study on the multivariate analysis of 13 kinds of serum proteins in patients with hyperthyroidism (author's transl)] *Nippon Naibunpi Gakkai Zasshi* 54(5):619-35, 20 M 78 (Eng. Abstr.)  
ADOLESCENCE/ ADULT/ ALPHA I-ANTITRYPSIN, analysis/ ANALYSIS OF VARIANCE/ BASAL METABOLISM/ \*BLOOD



# AUTHOR SECTION

- PROTEINS, analysis/ ENGLISH ABSTRACT/  
FEMALE/ HUMAN/ \*HYPERTHYROIDISM,  
blood/ IGM, analysis/ MALE/ MIDDLE AGE/  
PREALBUMIN, analysis/ SERUM ALBUMIN,  
analysis/ SERUM GLOBULINS, analysis/  
THYROXINE, blood/ TRIIODOTHYRONINE, blood
2750. Mitchell ED: Acne due to congenital adrenal hyperplasia.  
Br J Dermatol 99(Suppl 16):56-8, Jul 78  
\*ACNE, etiology/ \*ADRENAL GLAND  
HYPERFUNCTION, congenital/ ADRENAL  
GLAND HYPERFUNCTION, complications/ CASE  
REPORT/ CHILD, PRESCHOOL/ FEMALE/  
HUMAN/ VIRILISM, etiology
2751. Mitchell MD, Sayers L, Keirse MJ, et al: Melatonin in amniotic  
fluid during human parturition. Br J Obstet Gynaecol  
85(9):684-6, Sep 78  
\*AMNIOTIC FLUID, analysis/ FEMALE/ HUMAN/  
\*LABOR/ \*MELATONIN, analysis/ PREGNANCY  
TRIMESTER, THIRD/ PREGNANCY
2752. Mitsuma T, Wanibe H, Hirooka Y, et al: [Triiodothyronine  
radioimmunoassay by a solid phase method—an evaluation  
of Konsul T3 RIA Kit] Horumon To Rinsho 26(8):817-20,  
Aug 78 (Jpn)  
HUMAN/ \*RADIOIMMUNOASSAY, methods/  
RADIOIMMUNOASSAY, standards/ \*REAGENT  
KITS, DIAGNOSTIC, standards/  
\*TRIIODOTHYRONINE, blood
2753. Mitsuma T: [T3 toxicosis] Nippon Rinsho Suppl:1558-9, May  
78 (Jpn)  
HUMAN/ \*HYPERTHYROIDISM, blood/  
\*TRIIODOTHYRONINE, blood
2754. Mitsuma T: [Measurement of 3, 3', 5' triiodothyronine (rT3)  
in human serum with radioimmunoassay (author's transl)]  
Kaku Igaku 15(4):605-11, Jun 78 (Jpn)  
FEMALE/ HUMAN/ PREGNANCY/  
\*RADIOIMMUNOASSAY, methods/  
\*TRIIODOTHYRONINE, blood
2755. Mittal JP, Ghosh PK: Induction of sexual activity in corriedale  
rams with a testosterone preparation. Indian J Exp Biol  
16(7):802-3, Jul 78  
ANIMAL/ MALE/ \*SEX BEHAVIOR, ANIMAL,  
drug effects/ \*SHEEP, physiology/ STIMULATION,  
CHEMICAL/ \*TESTOSTERONE, pharmacodynamics
2756. Miura Y, Fukui N, Kanzaki Y, et al: Induction of ornithine  
decarboxylase and DNA synthesis in isolated perfused liver  
after partial hepatectomy. Adv Enzyme Regul 16:195-203,  
3-4 Oct 77  
ANIMAL/ \*CARBOXY-LYASES, biosynthesis/  
\*DNA, biosynthesis/ ENZYME INDUCTION/  
GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ HEPATECTOMY/ IN VITRO/ LIVER  
REGENERATION/ \*LIVER, metabolism/ MALE/  
\*ORNITHINE DECARBOXYLASE, biosynthesis/  
PROSTAGLANDINS, metabolism/ RATS/  
THYMIDINE KINASE, biosynthesis/ TIME  
FACTORS/ TYROSINE AMINOTRANSFERASE,  
biosynthesis
2757. Miyai K: [Enzyme immunoassay of hormone]  
Hormon To Rinsho 26(8):771-9, Aug 78 (Jpn)  
\*HORMONES, analysis/ HUMAN/  
\*IMMUNOENZYME TECHNIQS, methods
2758. Miyai K: [Mass screening of cretinism] Nippon Rinsho  
Suppl:1552-3, May 78 (Jpn)  
\*CRETINISM, prevention & control/ HUMAN/  
INFANT/ \*MASS SCREENING/ MASS  
SCREENING, methods
2759. Miyakawa I, Ikeda I, Nakayama M, et al: Maternal and fetal  
plasma steroid hormone levels in vaginal delivery with and  
without ACTH infusion. Int J Gynaecol Obstet 15(6):539-44,  
1978  
ADRENAL CORTEX, drug effects/ ADRENAL  
CORTEX, metabolism/ \*CORTICOTROPIN,  
pharmacodynamics/ \*DELIVERY/ ESTRADIOL,  
blood/ ESTRIOL, blood/ \*ESTROGENS, blood/  
FEMALE/ \*FETAL BLOOD, analysis/ HUMAN/  
HYDROCORTISONE, biosynthesis/  
\*HYDROCORTISONE, blood/  
HYDROCORTISONE, physiology/ INFANT,  
NEWBORN/ LABOR/ PLACENTA, metabolism/  
PREGNANCY/ PROGESTERONE, biosynthesis/  
\*PROGESTERONE, blood/ PUERPERIUM
2760. Miyashita M, Sato H: [Clinical observation of growth hormone  
dynamics in hypothalamo-pituitary disorders (author's  
transl)] Rinsho Byori 26(6):471-7, Jun 78 (Jpn)  
ACROMEGALY, physiopathology/ \*BRAIN  
DISEASES, physiopathology/ BRAIN NEOPLASMS,  
physiopathology/ DWARFISM, PITUITARY,  
physiopathology/ HUMAN/ HYPOPITUITARISM,  
physiopathology/ \*HYPOTHALAMUS/  
\*PITUITARY DISEASES, physiopathology/  
\*SOMATOTROPIN, secretion
2761. Miyauchi A, Takai S: [Diagnosis and early detection of  
medullary carcinoma of the thyroid] Nippon Rinsho  
Suppl:1564-5, May 78 (Jpn)  
CALCITONIN, blood/ \*CARCINOMA, diagnosis/  
CARCINOMA, familial & genetic/ HUMAN/  
\*THYROID NEOPLASMS, diagnosis/ THYROID  
NEOPLASMS, familial & genetic
2762. Miyazawa Y, Wakabayashi K, Kanda K, et al: [Effects of high  
kaliumion, calcium ion and dopamine on somatostatin  
secretion from the rat hypothalamus nerve endings]  
Hormon To Rinsho 26(6):541-4, Jun 78 (Jpn)  
ANIMAL/ \*CALCIUM, pharmacodynamics/  
\*DOPAMINE, pharmacodynamics/ HYPERTONIC  
SOLUTIONS/ \*HYPOTHALAMO-HYPOPHYSEAL  
SYSTEM, secretion/ IONS/ MALE/ \*NERVE  
ENDINGS, secretion/ RATS/ \*SODIUM,  
pharmacodynamics/ \*SOMATOTROPIN RELEASE  
INHIBITING HORMONE, secretion
2763. Miyoshi I, Hikita T, Koi P, et al: Reversible pure red-cell  
aplasia in pregnancy [letter] N Engl J Med 299(14):777, 5  
Oct 78  
ABORTION, THERAPEUTIC/ ADULT/ \*ANEMIA,  
APLASTIC, therapy/ CASE REPORT/ FEMALE/  
HUMAN/ PREDNISOLONE, therapeutic use/  
\*PREGNANCY COMPLICATIONS,  
HEMATOLOGIC, therapy/ PREGNANCY  
TRIMESTER, FIRST/ PREGNANCY
2764. Mizutani A, Suzuki I, Yamamoto H: Purification and  
characterization of bovine parotid hypocalcemic factor  
obtained via extraction with glacial acetic acid.  
Chem Pharm Bull (Tokyo) 26(7):1957-65, Jul 78  
ACETIC ACIDS/ ANIMAL/ CATTLE/  
\*HORMONES, analysis/ HYPOCALCEMIA,  
chemically induced/ \*PAROTIN, analysis/ RABBITS/  
\*SALIVARY PROTEINS, isolation & purification/  
SALIVARY PROTEINS, pharmacodynamics
2765. Mizutani T, Watanabe K, Shimizu R, et al: An active core in  
a limited chymotryptic digest of bovine parotid hypocalcemic  
substance. Chem Pharm Bull (Tokyo) 26(9):2774-81, Sep 78  
ANIMAL/ BINDING SITES/ CALCIUM,  
metabolism/ CATTLE/ CHYMOTRYPSIN/  
\*HYPOCALCEMIA, metabolism/ \*PAROTID  
GLAND, analysis/ PAROTIN, isolation & purification
2766. Mladinov G, Kržisnik Z: Ahondroplazija prikazana  
ultrazvukom in utero. Jugosl Ginekologij 17(4):239-41,  
Jul-Aug 77 (Eng. Abstr.) (Ser)  
\*ACHONDROPLASIA, diagnosis/ ADULT/ CASE  
REPORT/ ENGLISH ABSTRACT/ FEMALE/  
HUMAN/ PREGNANCY/ \*PRENATAL  
DIAGNOSIS/ \*ULTRASONICS, diagnostic use
2767. Moamai N: Agressivité et aberrations des chromosomes sexuels  
aspects génétiques et neurophysiologiques du comportement  
agressif. Union Med Can 107(10):981-3, Oct 78 (Eng. Abstr.)  
(Fre)  
ADOLESCENCE/ ADULT/ \*AGGRESSION/  
\*CHROMOSOME ABERRATIONS/ ENGLISH  
ABSTRACT/ GENOTYPE/ HUMAN/  
KLINEFELTER'S SYNDROME, familial & genetic/  
MALE/ MENTAL RETARDATION, familial &  
genetic/ \*SEX CHROMOSOMES
2768. Model' AA, Medvedovskaia TsP, Pines AG: Opyt  
matematicheskogo analiza pokazatelei regionalnogo  
arterial'nogo davleniia pri professional'noi patologii  
gipotalamusa. Zh Nevropatol Psikhiatr 78(9):1297-1301, 1978  
(Eng. Abstr.) (Rus)  
ADULT/ \*BLOOD PRESSURE/ BRACHIAL  
ARTERY/ BRAIN DISEASES, chemically induced/  
BRAIN DISEASES, etiology/ ENGLISH  
ABSTRACT/ HUMAN/ \*HYPOTHALAMUS/  
MIDDLE AGE/ \*OCCUPATIONAL DISEASES,  
physiopathology/ RETINAL ARTERY/  
SYNDROME/ TEMPORAL ARTERIES



# AUTHOR SECTION

2769. Modlin IM, Bloom SR: VIPomas and the watery diarrhoea syndrome. *S Afr Med J* 54(2):53-6, 8 Jul 78  
ADRENAL GLAND NEOPLASMS, secretion/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/  
\*DIARRHEA, etiology/ \*GANGLIONEUROMA, complications/ \*GANGLIONEUROMA, secretion/  
\*GASTROINTESTINAL HORMONES, physiology/  
HUMAN/ HYPOKALEMIA, complications/ LIVER NEOPLASMS, therapy/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ PANCREATIC NEOPLASMS, complications/ SYNDROME/ VASOACTIVE INTESTINAL PEPTIDE, blood/  
\*VASOACTIVE INTESTINAL PEPTIDE, physiology/ VASOACTIVE INTESTINAL PEPTIDE, secretion
2770. Mogil'nitskaia LV, Pevzner LZ: Soderzhanie kislykh belkov v iadrakh neuronov i glial'nykh kletok gipotalamusa kry's pri kholodovoi adaptatsii. *Biull Eksp Biol Med* 86(8):187-90, Aug 78 (Eng. Abstr.) (Rus)  
\*ACCLIMATIZATION/ ANIMAL/ \*COLD/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HISTOCYTOCHEMISTRY/ \*HYPOTHALAMUS, cytology/ \*HYPOTHALAMUS, metabolism/ MALE/ \*NERVE TISSUE PROTEINS, metabolism/ NEUROGLIA, metabolism/ NEURONS, metabolism/ PREOPTIC AREA, cytology/ RATS/ SUPRAOPTIC NUCLEUS, cytology/ TIME FACTORS
2771. Mohri M, Hiramatsu K: Simplified bilateral selective catheterization of the uterine artery. *Radiology* 129(1):239-41, Oct 78  
\*CATHETERIZATION, methods/ FEMALE/ HUMAN/ OVARIAN NEOPLASMS, blood supply/ \*OVARIAN NEOPLASMS, radiography/ \*TECHNOLOGY, RADIOLOGIC/ TECHNOLOGY, RADIOLOGIC, instrumentation/ \*UTERUS, blood supply
2772. Mok J, Swann I: Diagnosis of pheochromocytoma after ingestion of imipramine. *Arch Dis Child* 53(8):676-7, Aug 78  
\*ADRENAL GLAND NEOPLASMS, chemically induced/ CASE REPORT/ CHILD/ DISEASES IN TWINS/ ENURESIS, drug therapy/ FEMALE/ HUMAN/ \*IMIPRAMINE, adverse effects/ IMIPRAMINE, therapeutic use/  
\*PHEOCHROMOCYTOMA, chemically induced
2773. Møller M: Presence of a pineal nerve (nervus pinealis) in the human fetus: a light and electron microscopical study of the innervation of the pineal gland. *Brain Res* 154(1):1-12, 6 Oct 78  
FEMALE/ GANGLIA, anatomy & histology/ GESTATIONAL AGE/ HUMAN/ MALE/ MESENCEPHALON, anatomy & histology/ NERVE FIBERS, ultrastructure/ NEURAL PATHWAYS, anatomy & histology/ NEURONS, ultrastructure/ PINEAL BODY, anatomy & histology/ \*PINEAL BODY, embryology/ PREGNANCY/ THALAMUS, anatomy & histology
2774. Mollerach F, Degrossi OJ, Scornavachi JC, et al: El eje hipotálamo-hipofiso-tiroideo en el geronte. *Medicina (B Aires)* 38(3):276-80, May-Jun 78 (Eng. Abstr.) (Spa)  
ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug effects/ \*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ MALE/ MIDDLE AGE/ RADIOIMMUNOASSAY/ \*THYROTROPIN RELEASING HORMONE, pharmacodynamics/ \*THYROTROPIN, blood/ THYROTROPIN, pharmacodynamics/ THYROXINE, blood/ \*TRIIODOTHYRONINE, blood
2775. Møllgård K, Lundberg JJ, Wiklund L, et al: Morphologic consequences of serotonin neurotoxin administration: neuron-target cell interaction in the rat subcommissural organ. *Ann NY Acad Sci* 305:262-88, 12 Jun 78  
ANIMAL/ AUTORADIOGRAPHY/ FEMALE/ FLUORESCENT ANTIBODY TECHNIC/ GLYCOPROTEINS, metabolism/ HISTOCYTOCHEMISTRY/ MALE/ MICROSCOPY, ELECTRON/ NERVE TISSUE PROTEINS, metabolism/ \*NEURONS, drug effects/ NEURONS, ultrastructure/ \*NEUROSECRETORY SYSTEMS, drug effects/ NUCLEOPROTEINS, metabolism/ RATS/ \*SEROTONIN ANTAGONISTS, pharmacodynamics/ SEROTONIN, physiology/ \*SUBCOMMISSURAL ORGAN, drug effects/ SUBCOMMISSURAL ORGAN, ultrastructure/ SYNAPSES, drug effects/ 5,6-DIHYDROXYTRYPTAMINE, metabolism
2776. Monaco ME, Lippmann ME, Knazek R, et al: Vasopressin stimulation of acetate incorporation into lipids in a dimethylbenz(a)anthracene-induced rat mammary tumor line. *Cancer Res* 38(11 Pt 2):4101-4, Nov 78  
\*ACETATES, metabolism/ ANIMAL/ \*BENZANTHRACENES/ CELL LINE/ INSULIN, pharmacodynamics/ \*LIPIDS, biosynthesis/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ \*MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ \*NEOPLASMS, HORMONE-DEPENDENT, metabolism/ OXYTOCIN, pharmacodynamics/ PROLACTIN, pharmacodynamics/ RATS/ SOMATOTROPIN, pharmacodynamics/ \*VASOPRESSINS, pharmacodynamics/ \*9,10-DIMETHYL-1,2-BENZANTHRACENE
2777. Moncada S, Gryglewski R, Bunting S, et al: An enzyme isolated from arteries transforms prostaglandin endoperoxides to an unstable substance that inhibits platelet aggregation. *Nature* 263(5579):663-5, 21 Oct 76  
ANIMAL/ \*AORTA, enzymology/ HUMAN/ IN VITRO/ MICROSOMES, enzymology/ MUSCLE CONTRACTION, drug effects/ MUSCLE RELAXATION, drug effects/ MUSCLE, SMOOTH, drug effects/ \*PLATELET AGGREGATION, drug effects/ \*PROSTAGLANDIN ENDOPEROXIDASE, metabolism/ \*PROSTAGLANDINS X, biosynthesis/ PROSTAGLANDINS X, pharmacodynamics/ \*PROSTAGLANDINS, biosynthesis/ RABBITS/ RATS/ SWINE
2778. Money J, Clarke FC, Beck J: Congenital hypothyroidism IQ increase: a quarter century follow-up. *J Pediatr* 93(3):432-4, Sep 78  
CHILD/ CHILD, PRESCHOOL/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ \*HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, psychology/ \*INTELLIGENCE/ LONGITUDINAL STUDIES/ MALE/ UNITED STATES GOV'T SUPPORT P.H.S./ WECHSLER SCALES
2779. Money J: Transsexualism. Open forum. *Arch Sex Behav* 7(4):387-415, Jul 78  
ADAPTATION, PSYCHOLOGICAL/ ADOLESCENCE/ ADULT/ ATTITUDE OF HEALTH PERSONNEL/ COUNSELING/ FEMALE/ GENDER IDENTITY/ HOMOSEXUALITY/ HUMAN/ LIFE STYLE/ MALE/ SEX HORMONES, therapeutic use/ TIME FACTORS/ TRANSSEXUALISM, diagnosis/ \*TRANSSEXUALISM, rehabilitation/ TRANSSEXUALISM, surgery/ TRANSVESTISM, rehabilitation
2780. Monk M, Harper M: X-chromosome activity in preimplantation mouse embryos from XX and XO mothers. *J Embryol Exp Morphol* 46:53-64, Aug 78  
ADENINE PHOSPHORIBOSYLTRANSFERASE, metabolism/ ANIMAL/ BLASTOCYST, enzymology/ COMPARATIVE STUDY/ \*EMBRYO, enzymology/ \*HYPOXANTHINE PHOSPHORIBOSYLTRANSFERASE, metabolism/ KARYOTYPING/ MICE/ \*SEX CHROMOSOMES, physiology/ TIME FACTORS/ \*X CHROMOSOMES, physiology
2781. Monnier L, Colette C, Aguirre L, et al: Intestinal and renal handling of calcium in human diabetes mellitus: influence of acute oral glucose loading and diabetic control. *Eur J Clin Invest* 8(4):225-31, Aug 78  
ADOLESCENCE/ ADULT/ \*CALCIUM, metabolism/ CALCIUM, urine/ DIABETES MELLITUS, drug therapy/ \*DIABETES MELLITUS, metabolism/ FEMALE/ \*GLUCOSE, pharmacodynamics/ HOMEOSTASIS, drug effects/ HUMAN/ INSULIN, therapeutic use/ \*INTESTINAL ABSORPTION/ INTESTINAL ABSORPTION, effects/ MALE/ MIDDLE AGE
2782. Monserrat AJ, Porta EA: Studies on the renal pigment in estrogen-treated rats histochemistry and electron microscopy. *Exp Mol Pathol* 29(2):211-27, Oct 78



## AUTHOR SECTION

- ANIMAL/ CYTOPLASMIC GRANULES, ultrastructure/ \*ESTRADIOL, pharmacodynamics/ FEMALE/ \*HEMOSIDERIN, analysis/ HISTOCYTOCHEMISTRY/ KIDNEY TUBULES, PROXIMAL, analysis/ \*KIDNEY TUBULES, PROXIMAL, drug effects/ KIDNEY TUBULES, PROXIMAL, ultrastructure/ \*PIGMENTS, analysis/ RATS/ TIME FACTORS
2783. **Montastruc P, Montastruc JL, Moatti JP:** Actions de la clonidine sur trois types d'hypertension expérimentale et sur l'activité rénine plasmatique chez le chien. *C R Soc Biol (Paris)* 172(1):200-7, 1978 (Eng. Abstr.) (Fre)
- ANIMAL/ BLOOD PRESSURE, drug effects/ \*CLONIDINE, pharmacodynamics/ COMPARATIVE STUDY/ CYANIDES/ DOGS/ ENGLISH ABSTRACT/ FEMALE/ HYPERTENSION, chemically induced/ \*HYPERTENSION, physiopathology/ \*RENIN, blood
2784. **Monteau R, Hilaire G:** Etude comparée de l'activité des neurones respiratoires bulbares lors de polypnées déclenchées par stimulation électrique ou par réchauffement de l'hypothalamus. *J Physiol (Paris)* 74(1):45-55, 1978 (Eng. Abstr.) (Fre)
- ANIMAL/ CATS/ COMPARATIVE STUDY/ ELECTRIC STIMULATION/ ENGLISH ABSTRACT/ HEAT/ \*HYPOTHALAMUS, physiology/ \*NEURONS, physiology/ PHYSICAL STIMULATION/ RECRUITMENT (NEUROLOGY)/ \*RESPIRATION/ \*RESPIRATORY CENTER, physiology
2785. **Monti JM, Altier H, Ziman V:** The effects of p-chlorophenylalanine, reserpine, methysergide and cyproheptadine on the dopa-induced EEG synchronization in the rat. *Eur J Pharmacol* 50(3):183-6, 1 Aug 78
- P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ \*CORTICAL SYNCHRONIZATION/ CYPROHEPTADINE, pharmacodynamics/ \*DOPA, pharmacodynamics/ DRUG INTERACTIONS/ \*ELECTROENCEPHALOGRAPHY/ MALE/ METHYERGIDE, pharmacodynamics/ RATS/ RESERPINE, pharmacodynamics/ \*SEROTONIN, physiology
2786. **Moore DH, Merryman CF, Maurer PH, et al:** Comparative susceptibilities of hybrid mice to four mammary tumor viruses from two mouse strains. *Cancer Res* 38(11 Pt 1):3871-8, Nov 78
- ANIMAL/ ANTIGENS, VIRAL/ COMPARATIVE STUDY/ FEMALE/ HYBRIDIZATION/ LACTATION/ MALE/ MAMMARY CANCER VIRUS, genetics/ MAMMARY CANCER VIRUS, immunology/ MAMMARY NEOPLASMS, EXPERIMENTAL, etiology/ \*MAMMARY NEOPLASMS, EXPERIMENTAL, familial & genetic/ MAMMARY NEOPLASMS, EXPERIMENTAL, microbiology/ MICE/ MICE, INBRED STRAINS/ MILK, microbiology/ PARITY/ PREGNANCY/ SPECIES SPECIFICITY/ TUMOR VIRUS INFECTIONS, familial & genetic/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2787. **Moore G:** Influence of the peptide-chain length on disulphide-bond formation in neurohypophysial hormones and analogues. *Biochem J* 173(2):403-9, 1 Aug 78
- CHEMISTRY/ CHROMATOGRAPHY, GEL/ DISULFIDES/ MOLECULAR CONFORMATION/ PEPTIDES/ \*PITUITARY HORMONES, POSTERIOR
2788. **Moore KE, Annunziato L, Gudelsky GA:** Studies on tuberoinfundibular dopamine neurons. *Adv Biochem Psychopharmacol* 19:193-204, 1978
- ANIMAL/ CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, metabolism/ DOPAMINE, metabolism/ \*DOPAMINE, physiology/ ESTRADIOL, pharmacodynamics/ FEMALE/ HALOPERIDOL, pharmacodynamics/ \*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, metabolism/ IN VITRO/ MALE/ MEDIAN EMINENCE, drug effects/ \*MEDIAN EMINENCE, metabolism/ NEURONS, drug effects/ \*NEURONS, metabolism/ OLFACTORY BULB, drug effects/ OLFACTORY BULB, metabolism/ PROLACTIN, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2789. **Moore L, Pastan I:** Energy-dependent calcium uptake by fibroblast microsomes. *Ann NY Acad Sci* 307:177-94, 28 Apr 78
- ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, administration & dosage/ \*CALCIUM, metabolism/ CALCIUM, physiology/ CELL COMMUNICATION/ CELL MOVEMENT/ CELL TRANSFORMATION, NEOPLASTIC/ CELLS, CULTURED/ CULTURE MEDIA/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ ENERGY METABOLISM/ \*FIBROBLASTS, metabolism/ FIBROBLASTS, physiology/ IN VITRO/ \*MICROSOMES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2790. **Moore LG, McMurtry IF, Reeves JT:** Effects of sex hormones on cardiovascular and hematologic responses to chronic hypoxia in rats. *Proc Soc Exp Biol Med* 158(4):658-62, Sep 78
- ALTITUDE/ ANIMAL/ \*ANOXIA/ DIPHOSPHOGLYCERIC ACIDS, blood/ ERYTHROCYTES, drug effects/ \*ERYTHROPOIESIS, drug effects/ ESTRADIOL, pharmacodynamics/ \*HEART ENLARGEMENT, etiology/ HEMATOCRIT/ MALE/ OXYGEN CONSUMPTION, drug effects/ OXYGEN/ PROGESTERONE, pharmacodynamics/ RATS/ \*SEX HORMONES, pharmacodynamics/ TESTIS, physiology/ TESTOSTERONE, pharmacodynamics
2791. **Moore RN, Goodrum KJ, Berry LJ:** Cell mediators of endotoxic effects. *Toxicon Suppl* (1):899-905, 1978
- ANIMAL/ ENDOTOXINS, immunology/ \*ENDOTOXINS, pharmacodynamics/ ENZYME INDUCTION, drug effects/ \*GLUCOCORTICOID, antagonists & inhibitors/ HYDROCORTISONE, pharmacodynamics/ MACROPHAGES, drug effects/ MACROPHAGES, immunology/ \*MACROPHAGES, metabolism/ MICE/ MICE, INBRED BALB C, immunology/ MICE, INBRED BALB C, metabolism/ MICE, NUDE, immunology/ MICE, NUDE, metabolism/ OXISURAN, pharmacodynamics/ PERITONEAL FLUID, cytology/ PHOSPHOENOLPYRUVATE CARBOXYKINASES, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2792. **Moore TE Jr, Aronson SB:** Results of penetrating keratoplasty in keratoconus. *Adv Ophthalmol* 37:106-8, 1978
- ADOLESCENCE/ ADULT/ CHILD/ \*CORNEA, transplantation/ \*GRAFT REJECTION, drug effects/ HUMAN/ \*KERATOCONUS, surgery/ MIDDLE AGE/ PREDNISOLONE, pharmacodynamics/ PREDNISOLONE, therapeutic use/ SUTURES/ TRANSPLANTATION, ALLOGENEIC/ VISUAL ACUITY
2793. **Morales CR, Pelozo C:** Ultrastructural study of the basal plasma membrane of the cow's mammary alveolar cell. *Anat Histol Embryol* 7(3):273-5, Sep 78
- ANIMAL/ \*CATTLE, anatomy & histology/ CELL MEMBRANE, ultrastructure/ FEMALE/ \*LACTATION/ \*MAMMAE, ultrastructure
2794. **Moran J, Hunziker W, Fischer JA:** Calcitonin and calcium ionophores: cyclic AMP responses in cells of a human lymphoid line. *Proc Natl Acad Sci USA* 75(8):3984-88, Aug 78
- A-23187, pharmacodynamics/ \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ \*CALCITONIN, metabolism/ \*CALCIUM, pharmacodynamics/ CELL LINE/ LASALOCID, pharmacodynamics/ \*LYMPHOCYTES, metabolism/ RECEPTORS, HORMONE, metabolism
2795. **Moreau M, Guerrier P, Dorée M:** Hormonal control of meiosis reinitiation in starfish oocytes. New evidence for the absence of efficient intracellular receptors for l-methyladenine recognition. *Exp Cell Res* 115(2):245-9, Sep 78
- \*ADENINE, analogs & derivatives/ ADENINE, metabolism/ ANIMAL/ CALCIUM, metabolism/ \*MEIOSIS/ \*OOCYTES, analysis/ OOCYTES, cytology/ OOCYTES, metabolism/ \*OVUM, analysis/ \*RECEPTORS, HORMONE, analysis/ SODIUM, metabolism/ STARFISH
2796. **Morera AM, Audi L, Bertrand J, et al:** Estrogen-like compounds and progesterone in male and female rats before puberty—I. Pattern and origin. *J Steroid Biochem* 9(7):623-9, Jul 78
- ADRENALECTOMY/ AGING/ ALPHA FETOPROTEINS/ ANIMAL/ CASTRATION/

# AUTHOR SECTION

- COMPARATIVE STUDY/ \*ESTRADIOL, blood/  
\*ESTRONE, blood/ FEMALE/ MALE/  
\*PROGESTERONE, blood/  
RADIOIMMUNOASSAY, methods/ RATS/ SEX  
FACTORS/ \*SEX MATURATION
2797. Morera AM, Cathiard AM, Saez JM: ACTH-induced refractoriness in cultured adrenal cell line (Y1). *Biochem Biophys Res Commun* 83(4):1553-60, 29 Aug 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/  
\*ADRENAL CORTEX, drug effects/ CELL LINE/ CORTICOTROPIN, metabolism/  
\*CORTICOTROPIN, pharmacodynamics/  
DOSE-RESPONSE RELATIONSHIP, DRUG/  
GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ HYDROXYPROGESTERONES, metabolism/ KINETICS/ \*RECEPTORS, HORMONE, drug effects/ RECEPTORS, HORMONE, metabolism
2798. Morgan AJ Jr: Psychotherapy for transsexual candidates screened out of surgery. *Arch Sex Behav* 7(4):273-83, Jul 78  
ATTITUDE OF HEALTH PERSONNEL/ COSTS AND COST ANALYSIS/ ESTROGENS, therapeutic use/ GENDER IDENTITY/ HOMOSEXUALITY/ HUMAN/ LIFE STYLE/ MALE/ PERSONALITY DISORDERS/ PSYCHOLOGICAL TESTS/ \*PSYCHOTHERAPY/ PUBLIC OPINION/ TIME FACTORS/ \*TRANSSEXUALISM, surgery
2799. Morgan T, Carney S, Roberts R: Changes in plasma renin activity and blood pressure after acute and chronic administration of beta-adrenergic receptor-blocking drugs. *Clin Sci Mol Med* 48 Suppl 2:81s-83s, Jun 75  
ADULT/ AGED/ \*BLOOD PRESSURE, drug effects/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DOUBLE-BLIND METHOD/ HUMAN/ HYPERTENSION, blood/ HYPERTENSION, drug therapy/ HYPERTENSION, physiopathology/ MALE/ MIDDLE AGE/ \*PINDOLOL, pharmacodynamics/ PINDOLOL, therapeutic use/ \*PROPRANOLOL, pharmacodynamics/ PROPRANOLOL, therapeutic use/ \*RENIN, blood/ TIME FACTORS
2800. Morgan-Hughes J, Bray RA: Iodine and acetone-containing plastic spray dressings [letter] *Br Med J* 2(6137):639, 26 Aug 78  
\*ACETONE, adverse effects/ \*DERMATITIS MEDICAMENTOSA, etiology/ DRUG INTERACTIONS/ \*IODINE, adverse effects/ \*OCCLUSIVE DRESSINGS, adverse effects
2801. Mori M, Kamio S, Fukuda H, et al: [Clinical observation of thyroid neoplasms associated with cysts] *Horumon To Rinsho* 26(1):7-10, Jan 78 (Jpn)  
\*ADENOCARCINOMA, complications/ ADULT/ \*CYSTS, complications/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ THYROID DISEASES, complications/ \*THYROID NEOPLASMS, complications
2802. Mori M, Kobayashi I, Wakabayashi K: Suppression of serum thyrotropin (TSH) concentrations following thyroidectomy and cold exposure by passive immunization with antiserum to thyrotropin-releasing hormone (TRH) in rats. *Metabolism* 27(10):1485-90, Oct 78  
ANIMAL/ \*COLD/ GAMMA GLOBULINS, pharmacodynamics/ IMMUNE SERUMS, pharmacodynamics/ IMMUNITY, PASSIVE/ MALE/ PITUITARY GLAND, ANTERIOR, secretion/ RATS/ \*THYROIDECTOMY/ \*THYROTROPIN RELEASING HORMONE, immunology/ \*THYROTROPIN, blood/ THYROTROPIN, secretion/ TRIIODOTHYRONINE, blood
2803. Mori T: [Criteria of Basedow's disease and Hashimoto's disease] *Nippon Rinsho Suppl*:1560-1, May 78 (Jpn)  
ADULT/ AGED/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ \*GOITER, EXOPHTHALMIC, diagnosis/ HUMAN/ MALE/ MIDDLE AGE/ \*THYROIDITIS, LYMPHOMATOUS, diagnosis
2804. Moriarty CM: Role of calcium in the regulation of adenohypophyseal hormone release. *Life Sci* 23(3):185-94, 17 Jul 78 (54 ref.)  
CALCIUM, deficiency/ CALCIUM, metabolism/ \*CALCIUM, physiology/ PITUITARY HORMONES, ANTERIOR, biosynthesis/ \*PITUITARY HORMONES, ANTERIOR, secretion/ REVIEW/
- UNITED STATES GOV'T SUPPORTED, P.H.S.
2805. Moriarty GC: Heterogeneity of ACTH-containing cells in rat pituitary, with emphasis on the structure and function of the intermediate lobe. *Ann NY Acad Sci* 297:183-28, Oct 77  
ANIMAL/ \*CORTICOTROPIN, metabolism/ FS, metabolism/ IMMUNOCHEMISTRY/ PITUITARY GLAND, ultrastructure/ \*PITUITARY GLAND, ANTERIOR, cytology/ PITUITARY GLAND, ANTERIOR, metabolism/ RATS/ STRESS, metabolism
2806. Morii K, Ono M, Koide A, et al: [Long-term administration of 1-alpha-hydroxycholecalciferol in the treatment of postoperative hypoparathyroidism] *Horumon To Rinsho* 26(8):78-94, Aug 78  
ADULT/ AGED/ CASE REPORT/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ \*HYDROXYCHOLECALCIFEROLS, administration & dosage/ \*HYPOPARATHYROIDISM, drug therapy/ MIDDLE AGE/ PARATHYROID GLANDS, surgery/ \*POSTOPERATIVE COMPLICATION, drug therapy/ TIME FACTORS
2807. Morimoto Y: Studies on the regulation mechanism of circadian rhythm of the pituitary-adrenal system [proceedings] *Med J Osaka Univ* 28(2):169, Dec 77  
ANIMAL/ \*CIRCADIAN RHYTHM/ FEMALE/ \*PITUITARY-ADRENAL SYSTEM, physiology/ RATS
2808. Morishita H, Nagamachi N, Kawamoto M, et al: The effect of neonatal castration on the developmental changes of nuclear sizes of the neurons in the hypothalamic nuclei of female rats. *Brain Res* 156(1):146-50, 3 Nov 78  
ANIMAL/ \*ANIMALS, NEWBORN/ \*CASTRATION/ \*CELL NUCLEUS, ultrastructure/ FEMALE/ \*HYPOTHALAMUS, cytology/ HYPOTHALAMUS, growth & development/ HYPOTHALAMUS, ANTERIOR, cytology/ HYPOTHALAMUS, MEDIAL, cytology/ NEUROCYTOLOGY/ RATS
2809. Morisio Guidetti L: Prealbumina (TBPA) e protidogramma sierico di soggetti ultranovantenni. *Boll Soc Ital Biol Sper* 54(9):848-50, 15 May 78  
AGE FACTORS/ AGED/ \*BLOOD PROTEIN BLOOD PROTEINS, analysis/ FEMALE/ HUMAN/ MALE/ \*PREALBUMIN/ PREALBUMIN, analysis/ \*SERUM ALBUMIN/ SERUM ALBUMIN, analysis/ \*THYROXINE BINDING PROTEIN/ THYROXINE BINDING PROTEIN, analysis
2810. Mormede P, Dantzer R: Effects of dexamethasone on discriminative fear conditioning in pigs. *Physiol Behav* 21(2):279-81, Aug 78  
ANIMAL/ AVOIDANCE LEARNING, drug effects/ \*CONDITIONING, CLASSICAL, drug effects/ \*DEXAMETHASONE, pharmacodynamics/ \*DISCRIMINATION LEARNING, drug effects/ ELECTROSHOCK/ \*FEAR, drug effects/ FEMALE/ MALE/ SWINE
2811. Morrissey JJ, Hamilton JW, Cohn DV: The secretion of parathormone and glycosylated proteins by parathyroid in culture. *Biochem Biophys Res Commun* 82(4):1279-29, Jun 78  
ANIMAL/ CALCIUM, pharmacodynamics/ CELL CULTURED/ GLUCOSAMINE, metabolism/ \*GLYCOPROTEINS, secretion/ IN VITRO/ MANNOSE, metabolism/ PARATHYROID GLANDS, drug effects/ \*PARATHYROID GLANDS, secretion/ \*PARATHYROID HORMONE, secretion/ SWINE/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2812. Morrissey RL, Zolock DT, Bucci TJ, et al: Immunoperoxidase localization of vitamin D dependent calcium binding protein. *J Histochem Cytochem* 26(8):628-34, Aug 78  
ANIMAL/ \*CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT, isolation & purification/ \*CARRIER PROTEINS, isolation & purification/ CELL NUCLEUS, analysis/ CHICKENS/ CYTOPLASM, analysis/ \*DUODENUM, analysis/ \*IMMUNOENZYME TECHNIQUES/ INTESTINAL MUCOSA, analysis/ VITAMIN D DEFICIENCY, drug therapy/ VITAMIN D DEFICIENCY, metabolism/ VITAMIN D, therapeutic use
2813. Morton DA, Jenkins ME: Down's syndrome and thyroid



## AUTHOR SECTION

- dysfunction. J Natl Med Assoc 70(1):27-9, Jan 78  
ADOLESCENCE/ ADULT/ AUTOANTIBODIES/  
CASE REPORT/ CHILD/ \*DOWN'S SYNDROME,  
complications/ DOWN'S SYNDROME, immunology/  
FEMALE/ HUMAN/ \*HYPERTHYROIDISM,  
complications/ HYPERTHYROIDISM, immunology/  
MALE
8. Moses C: Drug treatment of mild hypertension: adverse  
consequences. Ann NY Acad Sci 304:84-98, 30 Mar 78  
\*ANTIHYPERTENSIVE AGENTS, adverse effects/  
CLONIDINE, adverse effects/ DIURETICS,  
THIAZIDE, adverse effects/ DRUG  
INTERACTIONS/ FEMALE/ GUANETHIDINE,  
adverse effects/ HUMAN/ HYDRALAZINE, adverse  
effects/ \*HYPERTENSION, drug therapy/ MALE/  
METHYLDOPA, adverse effects/ PROPRANOLOL,  
adverse effects/ RESERPINE, adverse effects/  
SPIRONOLACTONE, adverse effects
9. Moss AA, Carbone JV, Kressel HY: Radiologic and clinical  
assessment of broad-spectrum antibiotic therapy in Crohn's  
disease. AJR 131(5):787-90, Nov 78  
ADOLESCENCE/ ADULT/ AMPICILLIN,  
administration & dosage/ AMPICILLIN, adverse  
effects/ AMPICILLIN, therapeutic use/  
\*ANTIBIOTICS, therapeutic use/ CEPHALOTHIN,  
administration & dosage/ CEPHALOTHIN, adverse  
effects/ CEPHALOTHIN, therapeutic use/  
CLINDAMYCIN, administration & dosage/  
CLINDAMYCIN, adverse effects/ CLINDAMYCIN,  
therapeutic use/ DRUG EVALUATION/  
\*ENTERITIS, REGIONAL, drug therapy/  
ENTERITIS, REGIONAL, radiography/  
ERYTHROMYCIN, administration & dosage/  
ERYTHROMYCIN, adverse effects/  
ERYTHROMYCIN, therapeutic use/ FEMALE/  
FOLLOW-UP STUDIES/ HUMAN/ MALE/  
MIDDLE AGE/ PREDNISONE, administration &  
dosage/ PREDNISONE, therapeutic use/  
TETRACYCLINE, administration & dosage/  
TETRACYCLINE, adverse effects/  
TETRACYCLINE, therapeutic use/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
- Moss J, Vaughan M: Isolation of an avian erythrocyte protein  
possessing ADP-ribosyltransferase activity and capable of  
activating adenylate cyclase. Proc Natl Acad Sci USA  
75(8):3621-4, Aug 78  
ADENOSINE DIPHOSPHATE SUGARS/  
\*ADENYL CYCLASE, metabolism/ ANIMAL/  
BRAIN, enzymology/ CHOLERA TOXIN,  
metabolism/ CHROMATOGRAPHY, THIN LAYER/  
ENZYME ACTIVATION/ \*ERYTHROCYTES,  
enzymology/ MURAMIDASE, metabolism/  
NICOTINAMIDE, metabolism/  
\*NUCLEOTIDYLTRANSFERASES, blood/ NAD,  
metabolism/ PHOSPHODIESTERASES,  
pharmacodynamics/ RIBOSE/ SNAKE VENOMS/  
TURKEYS
10. Mostofi FK, Bresler VM: Tumours of the testis.  
IARC Sci Publ (6):135-50, 1976 (57 ref.)  
ANIMAL/ CHORIOCARCINOMA, pathology/  
COMPARATIVE STUDY/ DYSGERMINOMA,  
pathology/ GRANULOSA CELL TUMOR, pathology/  
LEYDIG CELL TUMOR, pathology/ LYMPHOMA,  
pathology/ MALE/ MESOTHELIOMA, pathology/  
NEOPLASMS, EXPERIMENTAL, pathology/  
RATS/ REVIEW/ SARCOMA, EXPERIMENTAL,  
pathology/ SERTOLI CELL TUMOR, pathology/  
TERATOID TUMOR, pathology/ TESTICULAR  
NEOPLASMS, etiology/ \*TESTICULAR  
NEOPLASMS, pathology/ THECA CELL TUMOR,  
pathology
11. Moudgil VK, Weekes GA: Inhibition of hen oviduct estradiol  
receptor by aurointricarboxylic acid. FEBS Lett 94(2):324-6,  
15 Oct 78  
ADENOSINE TRIPHOSPHATE, metabolism/  
ANIMAL/ \*AURINTRICARBOXYLIC ACID,  
pharmacodynamics/ BINDING SITES/ CELL  
NUCLEUS, metabolism/ CHICKENS/  
\*CYCLOHEXANECARBOXYLIC ACIDS,  
pharmacodynamics/ DEPRESSION, CHEMICAL/  
DNA, metabolism/ ESTRADIOL, metabolism/  
FEMALE/ \*OVIDUCTS, metabolism/  
\*RECEPTORS, ESTROGEN, drug effects/  
RECEPTORS, ESTROGEN, metabolism/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
2819. Moulin MA, Camsonne R, Bigot MC, et al: A practical proposal  
for arginine-vasopressin radioimmunoassay.  
Clin Chim Acta 88(2):363-74, 1 Sep 78  
ANTIBODY SPECIFICITY/ \*ARGIPRESSIN,  
analysis/ ARGIPRESSIN, blood/ ARGIPRESSIN,  
urine/ BRONCHIAL NEOPLASMS, urine/  
CHARCOAL/ HUMAN/ IODINE  
RADIOISOTOPES, diagnostic use/ METHODS/  
RADIOIMMUNOASSAY/ TIME FACTORS/  
6-AMINOCAPROIC ACID
2820. Moxley RT III, Griggs RC, Goldblatt D, et al: Decreased insulin  
sensitivity of forearm muscle in myotonic dystrophy.  
J Clin Invest 62(4):857-67, Oct 78  
ADULT/ BIOLOGICAL TRANSPORT, drug effects/  
\*BLOOD SUGAR, metabolism/ FEMALE/  
FOREARM, blood supply/ GLUCOSE, metabolism/  
HUMAN/ \*INSULIN, blood/ INSULIN,  
pharmacodynamics/ MALE/ MIDDLE AGE/  
\*MUSCLES, metabolism/ \*MYOTONIA  
ATROPHICA, blood/ MYOTONIA ATROPHICA,  
metabolism/ REGIONAL BLOOD FLOW, drug  
effects/ SOMATOTROPIN, blood
2821. Moyon BJ, Lahey PJ Jr, Weinberg EH, et al: Effects on intact  
femora of dogs of the application and removal of metal plates.  
A metabolic and structural study comparing stiffer and more  
flexible plates. J Bone Joint Surg [Am] 60(7):940-7, Oct 78  
\*ALUMINUM/ ANIMAL/ BIOCOMPATIBLE  
MATERIALS/ BONE DEVELOPMENT/ \*BONE  
PLATES, standards/ BONE RESORPTION/  
\*CHROMIUM-COBALT ALLOYS/  
COMPARATIVE STUDY/  
DEMETHYLCHLORTETRACYCLINE, diagnostic  
use/ DOGS/ DOXYCYCLINE, diagnostic use/  
ELASTICITY/ EVALUATION STUDIES/  
\*FEMUR, surgery/ MALE/ METHACYCLINE,  
diagnostic use/ OSTEOPOROSIS, prevention &  
control/ \*TITANIUM/ \*VANADIUM
2822. Mueller GC, Kajiura K, Kim UH, et al: Proposed coupling  
of chromatin replication, hormone action, and cell  
differentiation. Cancer Res 38(11 Pt 2):4041-5, Nov 78  
\*CELL DIFFERENTIATION/ CELL  
DIFFERENTIATION, drug effects/ CELL  
NUCLEUS, metabolism/ CHROMATIN, drug effects/  
\*CHROMATIN, metabolism/ CYTOPLASM,  
metabolism/ \*DEXAMETHASONE,  
pharmacodynamics/ \*DNA REPLICATION/ DNA  
REPLICATION, drug effects/ HELA CELLS,  
metabolism/ PROTEINS, metabolism/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
2823. Mueller MN: Osteoporosis and current therapy. Wis Med J  
77(8):S73-4, Aug 78  
FEMALE/ HUMAN/ LONG TERM CARE/ MALE/  
\*OSTEOPOROSIS, therapy
2824. Mühlendyck H, Hundeiker M: Blepharochalasis (Fuchs) und  
Laffer-Ascher-Syndrom. Hautarzt 29(9):474-7, Sep 78 (Eng.  
Abstr.) (Ger)  
ADULT/ ATROPHY/ CASE REPORT/ \*CUTIS  
LAXA, physiopathology/ DIAGNOSIS,  
DIFFERENTIAL/ ENGLISH ABSTRACT/  
\*EYELID DISEASES, physiopathology/ FEMALE/  
GOITER, complications/ HUMAN/ LIP,  
abnormalities/ PHIMOSIS, physiopathology/ SKIN  
DISEASES, physiopathology/ SYNDROME
2825. Muiresan G, Alicandri C, Rosei EA, et al: Effect of oxprenolol  
on catecholamines and plasma renin activity: acute response  
to frusemide in hypertensive patients. Clin Sci Mol Med 48  
Suppl 2:85s-88s, Jun 75  
ADULT/ BLOOD PRESSURE, drug effects/  
CLINICAL RESEARCH/ DRUG INTERACTIONS/  
\*EPINEPHRINE, metabolism/ \*FUROSEMIDE,  
pharmacodynamics/ HEART RATE, drug effects/  
HUMAN/ HYPERTENSION, blood/  
\*HYPERTENSION, metabolism/ MALE/ MIDDLE  
AGE/ \*NOREPINEPHRINE, metabolism/  
\*OPRENOLOL, pharmacodynamics/ \*RENIN, blood
2826. Muir JW, Baker LR: Hypercalciuria and recurrent urinary  
stone formation despite successful surgery for primary  
hyperparathyroidism. Br Med J 2(6139):738-9, 9 Sep 78  
ADULT/ \*CALCIUM, urine/ CASE REPORT/  
HUMAN/ HYPERPARATHYROIDISM,  
complications/ \*HYPERPARATHYROIDISM,  
surgery/ MALE/ RECURRENCE/ \*URINARY  
CALCULI, etiology

# AUTHOR SECTION

2827. Muirhead EE: Case for a renomedullary blood pressure lowering hormone. *Contrib Nephrol* 12:69-81, 1978 (43 ref.)  
ANIMAL/ \*BLOOD PRESSURE/ \*HORMONES, physiology/ HUMAN/ \*KIDNEY MEDULLA, physiology/ KIDNEY, cytology/ KIDNEY, transplantation/ REVIEW/ TRANSPLANTATION, HOMOLOGOUS
2828. Mukda Trishnananda, Sararat Yongchaiyudha, Vimala Chayodom: Clinical observations on glucocorticoids in cobra envenomation.  
*Southeast Asian J Trop Med Public Health* 9(1):71-3, Mar 78  
ADOLESCENCE/ ADULT/ ANTIVENINS, therapeutic use/ CASE REPORT/ \*COBRA VENOMS/ \*DEXAMETHASONE, therapeutic use/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ \*SNAKE BITES, drug therapy
2829. Mukherjee R, Manchanda SK, Nayar U: Haemodynamic effects of hypothalamic stimulation on skin and muscle venous beds.  
*Indian J Physiol Pharmacol* 22(2):113-24, Apr-Jun 78  
ANIMAL/ BLOOD PRESSURE/ DOGS/ ELECTRIC STIMULATION/ FEMALE/ \*HEMODYNAMICS/ HINDLIMB/ \*HYPOTHALAMUS, physiology/ HYPOTHALAMUS, POSTERIOR, physiology/ MALE/ \*MUSCLES, blood supply/ REGIONAL BLOOD FLOW/ \*SKIN, blood supply/ VASCULAR RESISTANCE/ VEINS, physiology
2830. Mukhtar H, Lee IP, Foureman GL, et al: Epoxide metabolizing enzyme activities in rat testes: postnatal development and relative activity in interstitial and spermatogenic cell compartments. *Chem Biol Interact* 22(2-3):153-65, Sep 78  
AGING/ ANIMAL/ ANIMALS, NEWBORN/ ARYL HYDROCARBON HYDROXYLASES, metabolism/ CYTOCHROME P-450, metabolism/ CYTOSOL, enzymology/ EPOXIDE HYDRATASES, metabolism/ \*EPOXY COMPOUNDS, metabolism/ \*ETHERS, CYCLIC, metabolism/ GLUTATHIONE TRANSFERASES, metabolism/ IN VITRO/ MALE/ MICROSOMES, enzymology/ \*MIXED FUNCTION OXIDASES, metabolism/ \*OXIDOREDUCTASES, metabolism/ RATS/ SPERMATOGENESIS/ \*TESTIS, enzymology/ TESTIS, ultrastructure
2831. Mukkur TK: Immunologic and physiologic responses of calves inoculated with potassium thiocyanate extract of *Pasteurella multocida* type A. *Am J Vet Res* 39(8):1269-73, Aug 78  
AGGLUTINATION TESTS/ ANTIBODY FORMATION/ ANTIGENS, BACTERIAL, isolation & purification/ BLOOD BACTERICIDAL ACTIVITY/ \*CATTLE, immunology/ HEMAGGLUTINATION TESTS/ HUMAN/ \*PASTURELLA, immunology/ PULMONARY ALVEOLI, physiology/ THIOCYANATES
2832. Mulder H, Hackeng WH: Ectopic secretion of calcitonin.  
*Acta Med Scand* 204(4):253-6, 1978  
AGED/ CALCITONIN, blood/ \*CALCITONIN, secretion/ FEMALE/ \*HORMONES, ECTOPIC, secretion/ HUMAN/ MALE/ MIDDLE AGE/ \*NEOPLASMS, secretion/ PENTAGASTRIN, diagnostic use/ STIMULATION, CHEMICAL/ THYROID NEOPLASMS, secretion
2833. Muldoon TG: Characterization of mouse mammary tissue estrogen receptors under conditions of differing hormonal backgrounds. *J Steroid Biochem* 9(6):485-94, Jun 78  
ANIMAL/ CELL NUCLEUS, metabolism/ COMPARATIVE STUDY/ CYTOSOL, metabolism/ DIETHYLSTILBESTROL, metabolism/ DNA, metabolism/ \*ESTRADIOL, metabolism/ FEMALE/ KINETICS/ LACTATION/ \*MAMMAE, metabolism/ MICE/ MOLECULAR WEIGHT/ PREGNANCY/ \*PREGNANCY, ANIMAL/ PROLACTIN, pharmacodynamics/ \*RECEPTORS, ESTROGEN, metabolism/ THYROIDECTOMY/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2834. Mulivor RA, Hannig VL, Harris H: Developmental change in human intestinal alkaline phosphatase.  
*Proc Natl Acad Sci USA* 75(8):3909-12, Aug 78  
\*AGING/ \*ALKALINE PHOSPHATASE, metabolism/ BONE AND BONES, enzymology/ GESTATIONAL AGE/ HUMAN/ INTESTINES, embryology/ \*INTESTINES, enzymology/ KIDNEY, enzymology/ LIVER, enzymology/ NEURAMINIDASE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2835. Müller F, Sasse K, Beck E: Einfluss der Komponenten Blutkonserven auf die Infektiosität von *Treponema pallidum* (Stamm Nichols). *Immun Infekt* 6(5):199-202, Oct 78 (Abstr.)  
ANIMAL/ BLOOD BACTERICIDAL ACTIVITY/ \*BLOOD PRESERVATION/ COLD/ ENGLAND/ ABSTRACT/ MALE/ RABBITS/ SYPHILIS/ SERODIAGNOSIS/ TESTIS, microbiology/ TREPONEMA PALLIDUM
2836. Müller RE, Meader JE, Wotiz HH: Effects of ethidium bromide on the extractability of nuclear receptor-estrogen complex.  
*Cancer Res* 38(11 Pt 2):4233-7, Nov 78  
ANIMAL/ BINDING SITES/ CELL NUCLEUS, metabolism/ ESTRADIOL, metabolism/ \*ETHIDIUM BROMIDE, metabolism/ FEMALE/ POTASSIUM CHLORIDE/ RATS/ \*RECEPTORS, ESTROGEN, isolation & purification/ RECEPTORS, ESTROGEN, metabolism/ SOLUBILITY/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, metabolism
2837. Müller U, Aschmoneit I, Zenzes MT, et al: Binding of H-Y antigen in rat tissues: indications for a gonadal receptor. *Hum Genet* 43(2):151-7, 31 Aug 78  
ANIMAL/ BINDING SITES/ BRAIN, metabolism/ EPIITHELIUM, metabolism/ FEMALE/ \*H-Y ANTIGEN/ KIDNEY, metabolism/ LIVER, metabolism/ MALE/ \*OVARY, metabolism/ RATS, INBRED LEW/ SEX FACTORS/ TISSUE DISTRIBUTION
2838. Müller U, Ventz M, Meng W, et al: Zum Verhalten von Fettsäuren und freiem Glycerol bei Schilddrüsenfunktionsstörungen. *Z Gesamte Inn Med* 33(16):565-7, 15 Aug 78 (Eng. Abstr.)  
ADOLESCENCE/ ADULT/ AGED/ ENGLAND/ ABSTRACT/ FASTING/ \*FATTY ACIDS, NONESTERIFIED, metabolism/ FEMALE/ \*GLYCERIN, metabolism/ HUMAN/ \*HYPERTHYROIDISM, metabolism/ \*HYPOTHYROIDISM, metabolism/ MALE/ MIDDLE AGE
2839. Müller-Oerlinghausen B: Antidepressive Langzeitmedikation unter besonderer Berücksichtigung der Lithiumsalze. *Nervenarzt* 49(9):507-17, Sep 78 (106 ref.)  
ANTIDEPRESSIVE AGENTS, adverse effects/ \*ANTIDEPRESSIVE AGENTS, therapeutic use/ \*DEPRESSION, drug therapy/ DRUG THERAPY COMBINATION/ HUMAN/ HYPOTHYROIDISM, chemically induced/ LITHIUM, adverse effects/ \*LITHIUM, therapeutic use/ LONG TERM COMPLICATIONS/ OBESITY, chemically induced/ OLIGURIA, chemically induced/ REVIEW/ TRANQUILIZERS, administration & dosage/ TREMOR, chemically induced
2840. Müller-Oerlinghausen B, Bauer H, Girke W, et al: Implications of vigilance and performance under lithium-treatment. Studies in patients and normal volunteers. *Pharmakopsychiatr Neuropsychopharmakol* 10(2):67-77, Mar 77  
ADULT/ AGED/ \*AROUSAL, drug effects/ ELECTROENCEPHALOGRAPHY/ ELECTROMYOGRAPHY/ FEMALE/ FLICUS/ FUSION/ HUMAN/ HYDROCORTISONE, metabolism/ \*LITHIUM, adverse effects/ LITHIUM, therapeutic use/ MIDDLE AGE/ \*MOTOR SKILLS, drug effects/ PSYCHOSES, MANIC-DEPRESSIVE, drug effects/ REACTION TIME, drug effects/ TIME FACTORS
2841. Mumenthaler M: Giant cell arteritis (cranial arteritis, polymyalgia rheumatica). *J Neurol* 218(4):219-36, 28 Mar 78 (130 ref.)  
AGE FACTORS/ AGED/ CORTISONE, therapeutic use/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NOMENCLATURE/ \*POLYMYALGIA RHEUMATICA, diagnosis/ POLYMYALGIA RHEUMATICA, drug therapy/ POLYMYALGIA RHEUMATICA, pathology/ PROGNOSIS/ REVIEW/ SEX FACTORS/ SYNDROME/ TEMPORAL ARTERIES, pathology/ \*TEMPORAL ARTERITIS, diagnosis/ TEMPORAL ARTERITIS, drug therapy/ TEMPORAL ARTERITIS, pathology
2842. Mundy GR, Varani J, Orr W, et al: Resorbing bone: chemotactic for monocytes. *Nature* 275(5676):132-5, 78



# AUTHOR SECTION

- \*BONE RESORPTION/ BONE RESORPTION, drug effects/ \*CHEMOTAXIS, LEUKOCYTE/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ \*MONOCYTES, physiology/ \*NEUTROPHILS, physiology/ PARATHYROID HORMONE, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ RATS/ TISSUE CULTURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.
13. Mundy GR, Rick ME, Turcotte R, et al: Pathogenesis of hypercalcemia in lymphosarcoma cell leukemia. Role of an osteoclast activating factor-like substance and a mechanism of action for glucocorticoid therapy. *Am J Med* 65(4):600-6, Oct 78  
AGED/ \*BONE RESORPTION/ BONE RESORPTION, drug effects/ CASE REPORT/ CELLS, CULTURED/ CHROMATOGRAPHY, GEL/ HUMAN/ \*HYDROCORTISONE, pharmacodynamics/ HYPERCALCEMIA, blood/ \*HYPERCALCEMIA, etiology/ LEUCOSARCOMA, blood/ \*LEUCOSARCOMA, complications/ LEUCOSARCOMA, metabolism/ LEUKOCYTES, metabolism/ MALE/ OSTEOCLASTS/ PARATHYROID HORMONE, metabolism
14. Mungiu OC, Nechifor M: Importanța biologică a unor autocoizi lipidici recent descoperiți. *Rev Med Chir Soc Med Nat Iasi* 82(2):213-4, 254, Apr-Jun 78 (Rum)  
HUMAN/ PROSTAGLANDIN ENDOPEROXIDES, physiology/ PROSTAGLANDINS X, physiology/ PROSTAGLANDINS, biosynthesis/ \*PROSTAGLANDINS, physiology/ \*THROMBOXANES, physiology
15. Müntz GJ, Bircher J: Pharmakotherapie bei Leberpatienten—Sind Dosisanpassungen nötig? *Ther Umsch* 35(9):756-60, Sep 78 (16 ref.) (Eng. Abstr.) (Ger)  
DOSE-RESPONSE RELATIONSHIP, DRUG/ ENGLISH ABSTRACT/ HALF-LIFE/ HUMAN/ \*LIVER DISEASES, drug therapy/ LIVER, metabolism/ OXAZEPAM, therapeutic use/ PHENYLBUTAZONE, therapeutic use/ PREDNISONE, therapeutic use/ PROTEIN BINDING/ REVIEW
16. Münzenberg KJ, Wiedmann-Rütt B: Ergebnisse operativer Behandlungsmassnahmen bei Epiphysiolysis capitis femoris. *Z Orthop* 116(4):579-80, Aug 78 (Ger)  
ADRENAL CORTX HORMONES, adverse effects/ ARTHRITIS, etiology/ \*FEMUR HEAD NECROSIS, surgery/ FEMUR NECK, pathology/ HUMAN/ LEG LENGTH INEQUALITY, etiology
17. Murakami E, Amakata Y: [Anesthesia for a patient without adrenals (author's transl)] *Masui* 27(8):872-6, Aug 78 (Eng. Abstr.) (Jpn)  
\*ADRENALECTOMY/ ADULT/ \*ANESTHESIA, INHALATION, methods/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ NOREPINEPHRINE, administration & dosage/ THYROID NEOPLASMS, surgery
18. Murakami M: [Current status of drug therapy of essential hypertension (author's transl)] *Nippon Naika Gakkai Zasshi* 66(2):165-70, 10 Feb 77 (15 ref.) (Jpn)  
ADRENERGIC ALPHA RECEPTOR BLOCKADERS, therapeutic use/ ANTIHYPERTENSIVE AGENTS, therapeutic use/ CARDIOVASCULAR DISEASES, etiology/ DIET, SALT-FREE/ DOPAMINE BETA-HYDROXYLASE, blood/ HUMAN/ HYPERTENSION, complications/ \*HYPERTENSION, drug therapy/ PROSTAGLANDINS, analysis/ RENIN, blood/ REVIEW
19. Murakami N, Takahashi M, Suzuki Y: Conditions for establishment of reflex ovulation in light estrous rats. *Endocrinol Jpn* 25(3):299-303, Jun 78  
ANIMAL/ DIHYDROPROGESTERONE, blood/ \*ESTRUS, radiation effects/ FEMALE/ \*LIGHT/ LH-FSH RELEASING HORMONE, pharmacodynamics/ \*OVULATION/ OVULATION, drug effects/ PROGESTERONE, blood/ RATS/ \*VAGINA, pathology
20. Murakami S, Yamashita Y, Goto I, et al: [Cerebrotendinous xanthomatosis with hyperthyroidism (author's transl)] *Rinsho Shinkeigaku* 18(6):312-20, Jun 78 (Eng. Abstr.) (Jpn)  
ADULT/ \*BRAIN DISEASES, complications/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYPERTHYROIDISM, complications/ \*TENDONS/ \*XANTHOMATOSIS, complications
2851. Murano T, Senda H, Yamamoto H, et al: Studies on the physical dependence potential of analgesics. *Jpn J Pharmacol* 28(3):403-12, Jun 78  
ADRENAL CORTX, ultrastructure/ ANIMAL/ CHLORPROMAZINE, pharmacodynamics/ DRUG WITHDRAWAL SYMPTOMS, pathology/ LEVALLORPHAN, pharmacodynamics/ MALE/ MICE/ \*MITOCHONDRIA, ultrastructure/ \*MORPHINE ADDICTION, pathology/ MORPHINE, administration & dosage/ MORPHINE, antagonists & inhibitors/ MORPHINE, pharmacodynamics/ PENTOBARBITAL, pharmacodynamics/ TIME FACTORS
2852. Murdoch WJ, Lewis GS, Inskeep EK, et al: The effect of a progesterone-releasing intrauterine contraceptive device on uterine secretion of prostaglandin F<sub>2</sub>alpha and life-span of corpora lutea in the ewe. *Am J Obstet Gynecol* 132(1):81-6, 1 Sep 78  
ANIMAL/ CASTRATION/ \*CORPUS LUTEUM, physiology/ FEMALE/ \*INTRAUTERINE DEVICES, MEDICATED/ PREGNANCY/ \*PROGESTERONE, pharmacodynamics/ PROSTAGLANDINS F, blood/ \*PROSTAGLANDINS F, secretion/ SHEEP/ TIME FACTORS/ \*UTERUS, secretion
2853. Murer H, Evers C, Stoll R, et al: The effect of parathyroid hormone (PTH) and dietary phosphate on the sodium-dependent phosphate transport system located in the rat renal brush border membrane. *Curr Probl Clin Biochem* 8:455-62, 23-26 Oct 77  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ \*CELL MEMBRANE, metabolism/ GLUCOSE, metabolism/ KIDNEY CORTEX, drug effects/ \*KIDNEY CORTEX, metabolism/ KIDNEY CORTEX, ultrastructure/ KINETICS/ MICROVILLI, drug effects/ \*MICROVILLI, metabolism/ \*PARATHYROID HORMONE, pharmacodynamics/ \*PHOSPHATES, metabolism/ PHOSPHATES, pharmacodynamics/ RATS/ \*SODIUM, pharmacodynamics
2854. Murialdo G, Masturzo P, Rolandi E, et al: Comportamento circadiano della prolattinemia in pazienti portatori di adenoma ipofisario. *Boll Soc Ital Biol Sper* 54(3):270-3, 15 Feb 78 (Ita)  
\*ADENOMA, blood/ ADENOMA, CHROMOPHOBE, blood/ ADULT/ AGED/ CIRCADIAN RHYTHM/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ \*PITUITARY NEOPLASMS, blood/ \*PROLACTIN, blood
2855. Muroga T, Hara I, Goto H, et al: [Abnormality of all night EEGs in patients with acromegaly (author's transl)] *Rinsho Shinkeigaku* 18(5):246-52, May 78 (Eng. Abstr.) (Jpn)  
\*ACROMEGALY, physiopathology/ ADULT/ \*ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ \*SLEEP
2856. Murota SI, Yokoi T, Morita I, et al: Effect of various prostaglandins on the release of arachidonic acid from cultured fibroblasts. *Biochem Biophys Res Commun* 83(2):679-87, 28 Jul 78  
\*ARACHIDONIC ACIDS, metabolism/ BRADYKININ, pharmacodynamics/ CELL LINE/ FIBROBLASTS, drug effects/ FIBROBLASTS, metabolism/ KINETICS/ PROSTAGLANDINS F, pharmacodynamics/ \*PROSTAGLANDINS, pharmacodynamics
2857. Murray GM, Kasson B, Garcia JA, et al: Neuroendocrine responses to benzomorphans (cyclazocine, ketocyclazocine and WIN 35, 197-2) in the rat. *Proc West Pharmacol Soc* 21:371-5, 1978  
ANIMAL/ BENZOMORPHAN, analogs & derivatives/ \*BENZOMORPHAN, pharmacodynamics/ CORTICOSTERONE, blood/ CYCLAZOCINE, analogs & derivatives/ CYCLAZOCINE,



# AUTHOR SECTION

- pharmacodynamics/ MALE/ \*MORPHINANS,  
pharmacodynamics/ NALOXONE, pharmacodynamics/  
\*NEUROSECRETORY SYSTEMS, drug effects/  
PROLACTIN, blood/ RATS/ SOMATOTROPIN,  
blood/ THYROTROPIN, blood/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
2858. Musialik D, Gluszek J, Raszeja-Wanic B: W pływ  
hydrochlorotiazidu na parametry wapniowo-magnezowe u  
chorych z kamicą nerkową nawrotową. *Pol Tyg Lek*  
33(30):1173-5, 24 Jul 78 (Eng. Abstr.) (Pol)  
ADULT/ \*CALCIUM, metabolism/ ENGLISH  
ABSTRACT/ FEMALE/ HUMAN/  
\*HYDROCHLOROTHIAZIDE, pharmacodynamics/  
\*KIDNEY CALCULI, metabolism/ \*MAGNESIUM,  
metabolism/ MALE/ MIDDLE AGE/  
RECURRENCE
2859. Myers PR, Blosser J, Shain W: Neurotransmitter modulation  
of prostaglandin E1-stimulated increases in cyclic AMP. II.  
Characterization of a cultured neuronal cell line treated with  
dibutylrlyl cyclic AMP. *Biochem Pharmacol* 27(8):1173-7,  
1978  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
biosynthesis/ CELL LINE/ \*DIBUTYRYL CYCLIC  
AMP, pharmacodynamics/ NEUROHUMORS,  
antagonists & inhibitors/ \*NEUROHUMORS,  
pharmacodynamics/ NEURONS, drug effects/  
\*NEURONS, metabolism/ \*PROSTAGLANDINS E,  
pharmacodynamics/ TIME FACTORS
2860. Myers RD: Hypothalamic actions of 5-hydroxytryptamine  
neurotoxins: feeding, drinking, and body temperatures.  
*Ann NY Acad Sci* 305:556-75, 12 Jun 78  
ANIMAL/ \*BODY TEMPERATURE  
REGULATION, drug effects/ BODY WEIGHT, drug  
effects/ \*DRINKING BEHAVIOR, drug effects/  
\*FEEDING BEHAVIOR, drug effects/  
\*HYPOTHALAMUS, drug effects/ HYPOTHERMIA,  
chemically induced/ MONKEYS/ RATS/ RHESUS  
MONKEYS/ \*SEROTONIN ANTAGONISTS,  
pharmacodynamics/ SPECIES SPECIFICITY/  
UNITED STATES GOV'T SUPPORTED/  
5,6-DIHYDROXYTRYPTAMINE, pharmacodynamics
- ## N
2861. Nádvořníková H, Schück O, Cort JH: Možnosti vyšetřování  
koncentrační schopnosti ledvin na podkladě ddavp  
[1-deamino-(8-D-arginin)-vasopressin] testu. *Vnitř Lek*  
24(10):1026-31, Oct 78 (Eng. Abstr.) (Cze)  
ADOLESCENCE/ ADULT/ AGED/  
\*ARGIPRESSIN, diagnostic use/ \*DESMOPRESSIN,  
diagnostic use/ ENGLISH ABSTRACT/ FEMALE/  
HUMAN/ \*KIDNEY CONCENTRATING  
ABILITY/ KIDNEY DISEASES, diagnosis/ MALE/  
METHODS/ MIDDLE AGE
2862. Naeije R, Yernault JC, Goldstein M, et al: Acute pulmonary  
oedema in a patient with phaeochromocytoma.  
*Intensive Care Med* 4(3):165-7, Jul 78  
ACUTE DISEASE/ \*ADRENAL GLAND  
NEOPLASMS, complications/ ADRENAL GLAND  
NEOPLASMS, physiopathology/ ADRENAL  
GLAND NEOPLASMS, urine/ ADULT/ CASE  
REPORT/ EPINEPHRINE, urine/ FEMALE/  
HUMAN/ NOREPINEPHRINE, urine/  
\*PHEOCHROMOCYTOMA, complications/  
PHEOCHROMOCYTOMA, physiopathology/  
PHEOCHROMOCYTOMA, urine/ \*PULMONARY  
EDEMA, etiology/ PULMONARY EDEMA,  
physiopathology/ PULMONARY EDEMA, urine
2863. Nag S, Sarkar D, Ghosh JJ: Developmental changes of  
arylamidase activities in the rat testis & epididymis.  
*Indian J Exp Biol* 16(6):642-4, Jun 78  
\*AMINO ACID NAPHTHYLAMIDASES,  
metabolism/ ANIMAL/ \*EPIDIDYMIS, enzymology/  
EPIDIDYMIS, growth & development/ MALE/  
RATS/ \*TESTIS, enzymology/ TESTIS, growth &  
development
2864. Nagai J, Sarkar NK: Relationship between milk yield and  
mammary gland development in mice. *J Dairy Sci*  
61(6):733-9, Jun 78  
ANIMAL/ ANIMALS, SUCKLING/ CELL  
NUMBER/ DIET/ FEMALE/ \*LACTATION/  
LIVER, anatomy & histology/ MAMMAE, anatomy &  
histology/ MAMMAE, growth & development/  
\*MAMMAE, physiology/ MICE/ \*MILK, phys  
NUCLEIC ACIDS, metabolism/ ORGAN WE  
PHENOTYPE/ PREGNANCY
2865. Nagaraja TG, Bartley EE, Fina LR, et al: Quantitation  
of endotoxin in cell-free rumen fluid of cattle. *J Anim*  
46(6):1759-67, Jun 78  
ACTINOMYCIN, pharmacodynamics/ ANIMA  
FEED/ ANIMAL/ BIOLOGICAL ASSAY/  
\*CATTLE, metabolism/ CORTISONE,  
pharmacodynamics/ \*ENDOTOXINS, analysis/  
ENDOTOXINS, isolation & purification/  
ENDOTOXINS, toxicity/ ESCHERICHIA CO  
FEMALE/ GRAIN/ GRASSES/ MALE/  
METHODS/ MICE/ \*RUMEN, analysis/ RU  
microbiology/ TEMPERATURE
2866. Nagasawa H: [Hormone receptor in cancer cells]  
*Nippon Rinsho Suppl*:1166-7, May 78  
ANIMAL/ BREAST NEOPLASMS, analysis/  
FEMALE/ HUMAN/ MALE/ MICE/  
\*NEOPLASMS, analysis/ RATS/ RECEPTOR  
ESTROGEN, analysis/ \*RECEPTORS, HORM  
analysis
2867. Nagata N, Araki-Shimada N, Ono Y, et al: The dist  
of hormone-sensitive adenylate cyclase in rat kidney  
interaction of hormones in activating the enzyme.  
*Acta Endocrinol (Copenh)* 89(2):404-16, Oct 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPH  
metabolism/ \*ADENYL CYCLASE, metabolism/  
ANIMAL/ \*CALCITONIN, pharmacodynami  
DRUG INTERACTIONS/ ENZYME  
ACTIVATION/ KIDNEY CORTEX, enzymo  
KIDNEY MEDULLA, enzymology/ \*KIDN  
enzymology/ MALE/ \*PARATHYROID HORM  
pharmacodynamics/ RATS/ \*VASOPRESSIN  
pharmacodynamics
2868. Nagataki S: [Metabolism of thyroid hormones and i  
regulation] *Nippon Rinsho Suppl*:1554-5, May 78  
ADULT/ HUMAN/ MIDDLE AGE/ \*THYR  
metabolism/ \*TRIIODOTHYRONINE, metab
2869. Nagel W: Effects of antidiuretic hormone upon elec  
potential and resistance of apical and basolateral me  
of frog skin. *J Membr Biol* 42(2):99-122, 18 Sep 78  
AMILORIDE, pharmacodynamics/ ANIMAL  
MEMBRANE PERMEABILITY, drug effects/  
ELECTRIC CONDUCTIVITY, drug effects/  
EPITHELIUM, drug effects/ FROGS/ IN V  
\*MEMBRANE POTENTIALS, drug effects/  
TEMPORARIA/ \*SKIN, drug effects/ SKIN  
physiology/ SODIUM, metabolism/  
\*VASOPRESSINS, pharmacodynamics
2870. Nagy AE, Kulcsar G, Csatory KN: Compatibility stud  
various prostaglandins and antimicrobial agents.  
*J Antimicrob Chemother* 4(4):382-3, Jul 78  
\*ANTI-INFECTIVE AGENTS, pharmacody  
DRUG INTERACTIONS/ \*ESCHERICHIA  
drug effects/ \*PROSTAGLANDINS,  
pharmacodynamics/ \*STAPHYLOCOCCUS A  
drug effects
2871. Nagy E, Berci I: Immunodeficiency in hypophyse  
rats. *Acta Endocrinol (Copenh)* 89(3):530-7, Nov 78  
ANIMAL/ \*ANTIBODY FORMATION/  
ARTHRITIS, ADJUVANT, etiology/  
DINITROCHLOROBENZENE/ ERYTHRO  
immunology/ FEMALE/ GRAFT REJECTI  
HEMAGGLUTINATION TESTS/  
\*HYPOPHYSECTOMY/ \*IMMUNITY,  
CELLULAR/ RATS/ SHEEP, immunology/  
immunology/ SKIN, transplantation/  
TRANSPLANTATION, HOMOLOGOUS
2872. Nahodil V: On the question of technique of total thyr  
*Acta Univ Carol [Med] (Praha)* 23(3-4):143-50, 1978  
HUMAN/ \*THYROIDECTOMY, methods
2873. Najjar Origel S: Enantato de noretisterona como cont  
tricclico. Estudio comparativo. *Prensa Med Mex*  
43(1-2):64-9, Jan-Feb 78  
ADULT/ \*ALGESTONE ACETOPHENIDE  
& derivatives/ \*ALPHASON, administrati  
dosage/ ALPHASON, adverse effects/  
COMPARATIVE STUDY/ \*ESTRADIOL,  
administration & dosage/ ESTRADIOL, advers  
FEMALE/ HUMAN/ \*INFUSIONS,  
PARENTERAL/ \*MENSTRUATION, drug



## AUTHOR SECTION

- \*NORETHINDRONE, administration & dosage/  
NORETHINDRONE, adverse effects/ PREGNANCY/  
TIME FACTORS
74. Najera IS, Ruiz BF, Ibañez AC: The fine structure of ependyma in the hypothalamus of the hamster (*Cricetus cricetus*). *Anat Anz* 143(5):466-77, 1978  
ANIMAL/ CRICETUS/ \*EPENDYMA, ultrastructure/ HAMSTERS/ \*HYPOTHALAMUS, anatomy & histology
75. Nakagawa K, Mineo S, Kawamura S, et al: [Reduction of organic compounds with thiourea dioxide. II. Reduction of aromatic nitro compounds and syntheses of hydrazo compounds (author's transl)] *Yakugaku Zasshi* 97(11):1253-6, Nov 77 (Eng. Abstr.) (Jpn)  
\*AZO COMPOUNDS, chemical synthesis/ ENGLISH ABSTRACT/ INDICATORS AND REAGENTS/ \*NITROBENZENES/ OXIDATION-REDUCTION/ \*THIOUREA
76. Nakahara T, Uchimura H, Saito M, et al: Inhibition of dopamine-sensitive adenylate cyclase in rat striatum by neuroleptic drugs administered in vivo. *J Neurochem* 31(5):1335-7, Nov 78  
\*ADENYL CYCLASE, metabolism/ ANIMAL/ \*CHLORPROMAZINE, pharmacodynamics/ CORPUS STRIATUM, drug effects/ \*CORPUS STRIATUM, enzymology/ \*DOPAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ \*HALOPERIDOL, pharmacodynamics/ KINETICS/ MALE/ RATS
77. Nakai T, Yamada R: [Experimental studies on alpha receptor blockaders—effects on catecholamine secretion by the adrenal medulla] *Horumon To Rinsho* 26(1):85-8, Jan 78 (Jpn)  
ACETYLCHOLINE, pharmacodynamics/ \*ADRENAL MEDULLA, secretion/ \*ADRENERGIC ALPHA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ \*EPINEPHRINE, secretion/ HUMAN/ IN VITRO/ \*NOREPINEPHRINE, secretion/ SWINE
78. Nakajo M, Ito T, Shinohara S, et al: [A case of Cushing's syndrome due to adrenal carcinoma (author's transl)] *Rinsho Hoshasen* 23(9):977-80, Sep 78 (Eng. Abstr.) (Jpn)  
ADOLESCENCE/ \*ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, radionuclide imaging/ \*ADRENAL GLANDS, radionuclide imaging/ CASE REPORT/ \*CORTICOTROPIN, diagnostic use/ \*CUSHING'S SYNDROME, etiology/ CUSHING'S SYNDROME, radionuclide imaging/ ENGLISH ABSTRACT/ FEMALE/ HUMAN
79. Nakajo M, Sakata H, Shinohara S: Positive imaging of arrhenoblastoma of the ovary with <sup>131</sup>I-Adosterol: case report. *Radioisotopes* 27(7):407-9, Jul 78  
\*ADOSTEROL, diagnostic use/ ADULT/ \*ARRHENOBLASTOMA, radionuclide imaging/ CASE REPORT/ FEMALE/ HUMAN/ \*IODINE RADIOISOTOPES, diagnostic use/ \*OVARIAN NEOPLASMS, radionuclide imaging/ \*STEROLS, diagnostic use
80. Nakamura K, Nanjo S, Iioka S, et al: [A conservative end-to-end anastomosis of trachea for tracheal stricture caused by invasion of thyroid cancer (author's transl)] *Kyobu Geka* 31(9):703-6, Sep 78 (Eng. Abstr.) (Jpn)  
\*ADENOCARCINOMA, PAPILLARY, complications/ ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ NEOPLASM INVASIVENESS/ \*THYROID NEOPLASMS, complications/ \*TRACHEA, surgery/ \*TRACHEAL NEOPLASMS, surgery/ TRACHEAL STENOSIS, etiology/ \*TRACHEAL STENOSIS, surgery
81. Nakamura M, Hall PF: Inhibition of steroidogenic response to corticotropin in mouse adrenal tumor cells (Y-1) by the ionophore A23187. Role of protein biosynthesis. *Biochim Biophys Acta* 542(2):330-9, 17 Aug 78  
\*A-23187, pharmacodynamics/ \*ADRENAL CORTEX, metabolism/ AMINOGLUTETHIMIDE, pharmacodynamics/ \*ANTIBIOTICS, pharmacodynamics/ CALCIUM, metabolism/ CATIONS, DIVALENT, pharmacodynamics/ CELLS, CULTURED/ CHOLESTEROL, metabolism/ \*CORTICOTROPIN, antagonists & inhibitors/ DIBUTYRYL CYCLIC AMP, antagonists & inhibitors/ \*DIHYDROPROGESTERONE, biosynthesis/ \*PROGESTERONE, analogs & derivatives/ \*PROTEINS, biosynthesis/ RNA, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2882. Nakamura T, Tanabe Y, Hirano H: Evidence of the in vitro formation of cortisol by the adrenal gland of embryonic and young chickens (*Gallus domesticus*). *Gen Comp Endocrinol* 35(3):302-8, Jul 78  
ADRENAL CORTEX HORMONES, biosynthesis/ \*ADRENAL GLANDS, metabolism/ AGING/ ANDROGENS, biosynthesis/ ANIMAL/ CHICK EMBRYO/ CHICKENS/ CHOLESTEROL, metabolism/ COMPARATIVE STUDY/ FEMALE/ \*HYDROCORTISONE, biosynthesis/ HYDROXYPROGESTERONES, metabolism/ IN VITRO/ PREGNENOLONE, metabolism/ PROGESTERONE, metabolism/ STEROID HYDROXYLASES, metabolism
2883. Nakane M, Deguchi T: Purification and properties of guanylate cyclase from the synaptosomal soluble fraction of rat brain. *Biochim Biophys Acta* 525(1):275-85, 7 Jul 78  
ANIMAL/ AZIDES, pharmacodynamics/ \*BRAIN, enzymology/ DIPHOSPHONATES/ GUANINE NUCLEOTIDES/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ GUANOSINE TRIPHOSPHATE, metabolism/ GUANYL CYCLASE, isolation & purification/ \*GUANYL CYCLASE, metabolism/ GUANYLYL IMIDODIPHOSPHATE, metabolism/ HYDROXYLAMINES, pharmacodynamics/ MANGANESE, pharmacodynamics/ METHYLNITRONITROSOGUANIDINE, pharmacodynamics/ NITROPRUSSIDE, pharmacodynamics/ RATS/ \*SYNAPTOSOMES, enzymology
2884. Nakane PK, Sétáló G, Mazurkiewicz JE: The origin of ACTH cells in rat anterior pituitary. *Ann NY Acad Sci* 297:201-4, 28 Oct 77  
ANIMAL/ \*CORTICOTROPIN, biosynthesis/ MALE/ MORPHOGENESIS/ NEOPLASMS, EXPERIMENTAL, metabolism/ PITUITARY GLAND, ANTERIOR, cytology/ \*PITUITARY GLAND, ANTERIOR, embryology/ PITUITARY GLAND, ANTERIOR, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2885. Nakano R, Hashiha N, Washio M, et al: Ovarian follicular apparatus and hormonal parameters in patients with primary and secondary amenorrhea. *Acta Obstet Gynecol Scand* 57(4):293-300, 1978  
ADULT/ \*AMENORRHEA, physiopathology/ \*ESTROGENS, urine/ FEMALE/ \*FSH, blood/ GONADOTROPINS, CHORIONIC, diagnostic use/ \*GRAAFIAN FOLLICLE/ HUMAN/ \*LH, blood/ LH-FSH RELEASING HORMONE, diagnostic use/ MENOTROPINS, diagnostic use/ OVARY, pathology/ \*OVARY, physiopathology/ \*PITUITARY GLAND, ANTERIOR, physiopathology/ TURNER'S SYNDROME, physiopathology
2886. Nakano S, Hasegawa Y, Shiomura K, et al: [Bone scintigraphy with Tc-99m methylene diphosphonate: a comparison with ethane-hydroxy-diphosphonate (author's transl)] *Kaku Igaku* 15(4):587-90, Jun 78 (Jpn)  
\*BONE AND BONES, radionuclide imaging/ BREAST NEOPLASMS, radionuclide imaging/ COMPARATIVE STUDY/ \*DIPHOSPHONATES, diagnostic use/ FEMALE/ HUMAN/ MIDDLE AGE/ \*SODIUM ETIDRONATE, diagnostic use/ \*TECHNETIUM, diagnostic use
2887. Nakashima M, Mori K, Takagi SF: Centrifugal influence on olfactory bulb activity in the rabbit. *Brain Res* 154(2):301-6, 13 Oct 78  
ANIMAL/ \*DOMINANCE, CEREBRAL, physiology/ ELECTRIC STIMULATION/ EVOKED POTENTIALS/ HYPOTHALAMUS, physiology/ INTERNEURONS, physiology/ NEURAL INHIBITION/ OLFACTORY BULB, cytology/ \*OLFACTORY BULB, physiology/ OLFACTORY PATHWAYS, cytology/ OLFACTORY PATHWAYS, physiology/ RABBITS/ SYNAPSES, physiology/ TELECEPHALON, cytology/ TELECEPHALON, physiology
2888. Nakayama H, Maeda S: [An autopsy case of Cockayne's syndrome (author's transl)] *Rinsho Shinkeigaku* 18(8):470-2, Aug 78 (Eng. Abstr.) (Jpn)  
ADULT/ BRAIN, pathology/ CASE REPORT/

# AUTHOR SECTION

- \*DEMYELINATING DISEASES, pathology/  
DWARFISM, pathology/ ENGLISH ABSTRACT/  
FEMALE/ HUMAN/ KIDNEY, pathology/  
\*MICROCEPHALY, pathology/ SYNDROME
2889. Nakayama K: [Management of aplastic anemia in children and their remission rate] Nippon Rinsho 36(7):2792-7, 10 Jul 78 (18 ref.) (Jpn)  
ANABOLIC STEROIDS, administration & dosage/  
\*ANEMIA, APLASTIC, drug therapy/ CHILD/  
CHILD, PRESCHOOL/ HUMAN/ INFANT/  
PREDNISOLONE, administration & dosage/  
REMISSION/ REVIEW
2890. Nakazawa M, Yoshimura T, Naito J, et al: [Pharmacological properties of N-(3',4'-dimethoxycinnamoyl) anthranilic acid (N-5'), a new anti-atopic agent. (3).--Influence on homologous passive cutaneous anaphylaxis mediated by homocytotropic antibody (author's transl)] Nippon Yakurigaku Zasshi 74(4):467-72, May 78 (Eng. Abstr.) (Jpn)  
ADMINISTRATION, ORAL/  
ADRENALECTOMY/ ANIMAL/ ANIMALS,  
NEWBORN/ ANTHRANILIC ACIDS, administration  
& dosage/ \*ANTHRANILIC ACIDS,  
pharmacodynamics/ DEPRESSION, CHEMICAL/  
DOSE-RESPONSE RELATIONSHIP, DRUG/  
ENGLISH ABSTRACT/ INJECTIONS,  
INTRAVENOUS/ MALE/ \*PASSIVE CUTANEOUS  
ANAPHYLAXIS, drug effects/ RATS/ TIME  
FACTORS
2891. Nalda MA, Carrasco MS, Cuenca E: Influencia de la neuroleptoanalgesia sobre los niveles de fenilalanina y tirosina sérica. Rev Esp Anestesiol Reanim 25(4):269-74, Jul 78 (Spa)  
ADULT/ COMPARATIVE STUDY/ HUMAN/  
MIDDLE AGE/ \*NEUROLEPTANALGESIA/  
\*PHENYLALANINE, blood/ STRESS, metabolism/  
\*THYROXINE, blood
2892. Nandi M, Harrington AR: Successful treatment of hypernatremic thirst deficiency with chlorpropamide. Clin Nephrol 10(3):90-5, Sep 78  
ADULT/ CASE REPORT/ \*CHLORPROPAMIDE,  
therapeutic use/ DEHYDRATION, blood/  
DEHYDRATION, drug therapy/ DIABETES  
INSIPIDUS, blood/ DIABETES INSIPIDUS, drug  
therapy/ HUMAN/ HYPERNATREMIA, blood/  
\*HYPERNATREMIA, drug therapy/ MALE/  
SODIUM, blood/ \*THIRST, drug effects/ UNITED  
STATES GOV'T SUPPORTED, P.H.S./  
VASOPRESSINS, therapeutic use
2893. Nandi S: Role of hormones in mammary neoplasia. Cancer Res 38(11 Pt 2):4046-9, Nov 78  
ANIMAL/ \*BREAST NEOPLASMS, etiology/  
CARCINOGENS/ CELL DIVISION/  
COCARCINOGENESIS/ FEMALE/ \*HORMONES,  
physiology/ HUMAN/ MAMMARY NEOPLASMS,  
EXPERIMENTAL, etiology/ MAMMARY  
NEOPLASMS, EXPERIMENTAL, pathology/  
MODELS, BIOLOGICAL/ NEOPLASM  
TRANSPLANTATION/ ONCOGENIC VIRUSES/  
TIME FACTORS/ TRANSPLANTATION,  
HOMOLOGOUS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
2894. Naneishvili TL, Bakuradze AN, Noselidze AG: Preferential ipsilateral influence of the posterior hypothalamus on the neocortex. Neurosci Behav Physiol 8(1):9-14, Jan-Mar 77  
ANIMAL/ BRAIN MAPPING/ CATS/  
\*CEREBRAL CORTEX, physiology/  
COMPARATIVE STUDY/ ELECTRIC  
STIMULATION/ EVOKED POTENTIALS/  
\*HYPOTHALAMUS, physiology/  
\*HYPOTHALAMUS, POSTERIOR, physiology/  
LATERALITY/ MESENCEPHALON, physiology/  
NEURAL PATHWAYS, anatomy & histology/  
RETICULAR FORMATION, physiology/ VISUAL  
CORTEX, physiology
2895. Nanu L: The pineal gland in the biology of mammals [editorial] Endocrinology 16(3):237-8, Jul-Sep 78  
ANIMAL/ HUMAN/ MAMMALS/ \*PINEAL  
BODY, physiology
2896. Napalkov NP: Tumours of the thyroid gland. IARC Sci Publ 6(2):239-71, 1976 (86 ref.)  
ADENOCARCINOMA, pathology/ ADENOMA,  
pathology/ ANIMAL/ CARCINOGENS/  
CARCINOMA, EPIDERMAL, pathology/  
CARCINOMA, PAPILLARY, pathology/  
CARCINOSARCOMA, pathology/  
CYSTADENOMA, pathology/ CYSTADENOMA,  
PAPILLARY, pathology/ NEOPLASMS,  
EXPERIMENTAL, pathology/ NEOPLASMS,  
RADIATION-INDUCED, etiology/ RATS/  
REVIEW/ SARCOMA, EXPERIMENTAL,  
pathology/ THYROID ANTAGONISTS/ THYROID  
GLAND, anatomy & histology/ THYROID  
NEOPLASMS, etiology/ \*THYROID NEOPLASMS,  
pathology
2897. Narita M, Inui S, Namba K, et al: Neural changes in rat infection of infectious bovine rhinotracheitis virus infected with dexamethasone. Am J Vet Res 39(9):1313-1317, Sep 78  
ANIMAL/ ANTIGENS, VIRAL, analysis/ \*  
pathology/ CATTLE/ \*DEXAMETHASONE  
pharmacodynamics/ \*INFECTION, BOVINE  
TECHNIC/ INFECTIOUS BOVINE  
RHINOTRACHEITIS VIRUS, immunology/  
INFECTIOUS BOVINE RHINOTRACHEITIS  
immunology/ \*INFECTIOUS BOVINE  
RHINOTRACHEITIS, pathology/ MEDULLARY  
OBLONGATA, pathology/ RECURRENCE/  
\*TRIGEMINAL NERVE, pathology
2898. Narkiewicz O, Juraniec J, Wrzolkowa T: The distribution of axon terminals with flattened vesicles in the nucleus amygdaloid body of the cat. J Hirnforsch 19(2):133-140, 1978  
\*AMYGDALOID BODY, anatomy & histology/  
AMYGDALOID BODY, ultrastructure/ ANIMALS,  
AXONS, ultrastructure/ BRAIN MAPPING/  
FEMALE/ MALE/ MICROSCOPY, ELECTRONIC/  
\*SYNAPSES, ultrastructure/ SYNAPTIC VESICLES,  
ultrastructure
2899. Natarov VV, Zhurova MV, Kharag GI, et al: Reaktsiya simpatiko-adrenalovoi sistemy u bol'nykh tireotoksicheskogo vozrasta. Probl Endokrinol (Mosk) 24(3):13-17, Sep-Oct 78 (Eng. Abstr.)  
ADAPTATION, PHYSIOLOGICAL/  
ADOLESCENCE/ \*ADRENAL GLANDS,  
physiopathology/ ADULT/ BLOOD SUGAR,  
CATECHOLAMINES, urine/ CHRONIC DISEASE/  
COMPARATIVE STUDY/ ENGLISH ABSTRACT/  
FEMALE/ HUMAN/ \*HYPERTHYROIDISM,  
physiopathology/ HYPERTHYROIDISM, urine/  
INSULIN, diagnostic use/ \*SYMPATHETIC  
NERVOUS SYSTEM, physiopathology/ TIME  
FACTORS/ VANILMANDelic ACID, urine
2900. Naugol'nykh EZ: Razdelenie testosterona i epiteostona v tonkom sloe okisi aluminia. Lab Delo (9):539-42, 1978  
\*ALUMINUM OXIDE/ \*ALUMINUM/  
CHROMATOGRAPHY, THIN LAYER, method/  
\*EPITESTOSTERONE, isolation & purification/  
\*TESTOSTERONE, isolation & purification
2901. Naumczyk-Zaremba J, Kaniewski M, Zgliczyński S: Endogenne glikokortykoidy na wydzielanie TS odpowiadzi na TRH. Endokrynol Pol 29(4):289-5, 1978 (Eng. Abstr.)  
\*ADDISON'S DISEASE, physiopathology/  
\*CUSHING'S SYNDROME, physiopathology/  
ENGLISH ABSTRACT/ \*GLUCOCORTICOID,  
physiology/ HUMAN/ SECRETORY RATE,  
effects/ \*THYROTROPIN RELEASING HORMONE,  
pharmacodynamics/ \*THYROTROPIN, secretion
2902. Naumenko EV, Shishkina GT: Role of serotonin in the control of hypothalamic-pituitary-testicular complex in rats. Neuroendocrinology 26(6):359-66, 1978  
P-CHLOROPHENYLALANINE, pharmacodynamics/  
ANIMAL/ CASTRATION/ FEEDBACK/  
HYPOTHALAMO-HYPOPHYSAL SYSTEM,  
effects/ \*HYPOTHALAMO-HYPOPHYSAL  
SYSTEM, physiology/ MALE/ RATS/ SECRETORY  
RATE, effects/ \*TESTIS, physiology/ TESTOSTERONE,  
blood
2903. Navarro Rizo JL, Espinosa De Los Monteros Mena A, Bonequi C: Hormona de crecimiento en pacientes diabéticos mellitus de tipo juvenil. Bol Med Hosp Infant Mex 35(6):1093-107, Nov-Dec 78 (Eng. Abstr.)  
ADOLESCENCE/ ADULT/ \*BLOOD SUGAR,  
analysis/ CHILD/ DIABETES MELLITUS,



# AUTHOR SECTION

- therapy/ \*DIABETES MELLITUS, JUVENILE, diagnosis/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INSULIN, therapeutic use/ MALE/ \*SOMATOTROPIN, blood
2904. Navrátil S, Lajda L: Hladiny testosteronu v krvi a odezva na aplikaci choriového gonadotropinu u bovinních intersexu. Vet Med (Praha) 23(8):473-8, Aug 78 (Eng. Abstr.) (Cze)  
ANIMAL/ \*CATTLE DISEASES, blood/ CATTLE/ ENGLISH ABSTRACT/ \*GONADOTROPINS, CHORIONIC, administration & dosage/ HERMAPHRODITISM, blood/ \*HERMAPHRODITISM, veterinary/ MALE/ SEX DIFFERENTIATION/ TESTIS, physiopathology/ \*TESTOSTERONE, blood
2905. Navrátil S, Hruska K: Vliv bilaterální orchidektomie na hladiny testosteronu v krvi kancu. Vet Med (Praha) 23(8):465-71, Aug 78 (Eng. Abstr.) (Cze)  
ANIMAL/ \*CASTRATION/ CASTRATION, methods/ ENGLISH ABSTRACT/ MALE/ POSTOPERATIVE PERIOD/ SWINE, physiology/ \*TESTIS, physiology/ \*TESTOSTERONE, blood/ TIME FACTORS
2906. Neal GE, Judah DJ: Effect of hypophysectomy and aflatoxin B1 on rat liver. Cancer Res 38(10):3460-7, Oct 78  
AFLATOXINS, metabolism/ \*AFLATOXINS, pharmacodynamics/ AGE FACTORS/ ANIMAL/ BIOTRANSFORMATION/ COMPARATIVE STUDY/ DNA, biosynthesis/ HYPOPHYSECTOMY/ IN VITRO/ \*LIVER, drug effects/ LIVER, metabolism/ LIVER, pathology/ MALE/ NECROSIS/ \*PITUITARY GLAND, physiology/ POLYPLOIDY/ RATS/ RNA POLYMERASES, antagonists & inhibitors/ RNA, biosynthesis
2907. Nechama H, Noff D, Edelstein S, et al: [Intestinal absorption of cholecalciferol metabolites in the rat] Harefuah 95(1):3-5, 2 Jul 78 (Eng. Abstr.) (Heb)  
ANIMAL/ \*CHOLECALCIFEROLS, metabolism/ ENGLISH ABSTRACT/ \*HYDROXYCHOLECALCIFEROLS, metabolism/ \*INTESTINAL ABSORPTION/ RATS
2908. Neckers LM, Neff NH, Garrison-Gund CK, et al: Increased adenylate cyclase activity and rapid weight loss following intraseptal injection of cholera toxin. Eur J Pharmacol 51(2):141-4, 15 Sep 78  
\*ADENYL CYCLASE, metabolism/ ANIMAL/ \*BODY WEIGHT, drug effects/ BRAIN, enzymology/ CHOLERA TOXIN, administration & dosage/ \*CHOLERA TOXIN, pharmacodynamics/ ELECTRIC STIMULATION/ INJECTIONS/ MALE/ RATS/ TIME FACTORS
2909. Nedvídková J, Felt V: Vliv hormonu spouštějícího tyreotropin na 3,3',5'-triiodotyronin ('obrácený T3') u nemocných s hyper- a hypofunkcí štítné žlázy. Cas Lek Cesk 117(29-30):913-6, 28 Jul 78 (Eng. Abstr.) (Cze)  
ADULT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYPERTHYROIDISM, blood/ \*HYPOTHYROIDISM, blood/ MALE/ MIDDLE AGE/ \*THYROTROPIN RELEASING HORMONE/ THYROTROPIN RELEASING HORMONE, blood/ \*TRIIODOTHYRONINE/ TRIIODOTHYRONINE, blood/ \*TRIIODOTHYRONINE, REVERSE/ TRIIODOTHYRONINE, REVERSE, blood
2910. Neeb S, Grabner W: Metoclopramid. Wirkung und klinische Bedeutung. Dtsch Med Wochenschr 103(40):1572-5, 6 Oct 78 (82 ref.) (Ger)  
CENTRAL NERVOUS SYSTEM, drug effects/ GASTROINTESTINAL MOTILITY, drug effects/ GASTROINTESTINAL SYSTEM, drug effects/ HUMAN/ KINETICS/ \*METOCLOPRAMIDE/ \*METOCLOPRAMIDE, administration & dosage/ METOCLOPRAMIDE, adverse effects/ METOCLOPRAMIDE, metabolism/ METOCLOPRAMIDE, pharmacodynamics/ PROLACTIN, secretion/ RECEPTORS, DOPAMINE, drug effects/ REVIEW
2911. Needleman P: Experimental criteria for evaluating prostaglandin biosynthesis and intrinsic function. Biochem Pharmacol 27(11):1515-8, 1978 (46 ref.)  
ANIMAL/ ARACHIDONIC ACIDS, metabolism/ HUMAN/ PROSTAGLANDIN ANTAGONISTS/ PROSTAGLANDIN SYNTHASE, metabolism/ PROSTAGLANDINS X, physiology/ \*PROSTAGLANDINS, biosynthesis/ PROSTAGLANDINS, physiology/ REVIEW/ THROMBOXANE A2, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2912. Negoescu I, Constantinescu A, Zamfir-Grigorescu D, et al: Experimental studies concerning the mechanism of the thyroid-pineal interrelationship. II. Action of the pineal peptides on the pituitary TSH reserve and hypothalamic content of TRH in MTU-treated rats. Endocrinologie 16(3):199-204, Jul-Sep 78  
ANIMAL/ \*HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, metabolism/ \*METHYLTHIOURACIL, pharmacodynamics/ \*PEPTIDES, pharmacodynamics/ \*PINEAL BODY, physiology/ PITUITARY GLAND, metabolism/ \*PITUITARY GLAND, ANTERIOR, drug effects/ RATS/ THYROID GLAND, drug effects/ \*THYROID GLAND, physiology/ THYROTROPIN RELEASING HORMONE, pharmacodynamics/ \*THYROTROPIN, metabolism
2913. Negulesco JA: Effects of fracture trauma, estrone treatment, and 2-G environment on the epiphyseal cartilage zones of developing avian radii. Aviat Space Environ Med 49(10):1219-24, Oct 78  
ANIMAL/ CARTILAGE, drug effects/ \*CARTILAGE, growth & development/ CARTILAGE, pathology/ CHICKENS/ EPIPHYSES, drug effects/ \*EPIPHYSES, growth & development/ EPIPHYSES, pathology/ \*ESTRONE, pharmacodynamics/ FEMALE/ \*GRAVITATION/ \*RADIUS FRACTURES/ RADIUS FRACTURES, pathology/ RADIUS FRACTURES, physiopathology/ UNITED STATES GOV'T SUPPORTED
2914. Neher R, Milani A: Mode of action of peptide hormones. Clin Endocrinol (Oxf) 5 Suppl:29S-39S, 1976  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ \*ADRENAL CORTEX HORMONES, biosynthesis/ ADRENAL CORTEX, drug effects/ ADRENAL CORTEX, metabolism/ ANIMAL/ CALCIUM, metabolism/ \*CALCIUM, physiology/ \*CORTICOTROPIN, physiology/ IN VITRO
2915. Neiko EM, Vandzhura IP, Kupnovitskaia IG, et al: Sokratitel'naia funktsiia miokarda pri lechenii merkazolilom bol'nykh ateroskleroticheskimi kardiosklerozom. Vrach Delo (6):22-6, Jun 78 (Eng. Abstr.) (Rus)  
ADULT/ AGED/ CORONARY DISEASE, drug therapy/ \*CORONARY DISEASE, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ \*METHIMAZOLE, therapeutic use/ MIDDLE AGE/ \*MYOCARDIAL CONTRACTION, drug effects
2916. Neill DB, Peay LA, Gold MS: Identification of a subregion within rat neostriatum for the dopaminergic modulation of lateral hypothalamic self-stimulation. Brain Res 153(3):515-28, 29 Sep 78  
ANIMAL/ \*CORPUS STRIATUM, anatomy & histology/ CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, physiology/ DEXTROAMPHETAMINE, administration & dosage/ DOPAMINE, administration & dosage/ \*DOPAMINE, physiology/ HYDROXYDOPAMINE, administration & dosage/ \*HYPOTHALAMUS, physiology/ MALE/ NEURAL PATHWAYS, physiology/ NUCLEUS ACCUMBENS, drug effects/ NUCLEUS ACCUMBENS, physiology/ RATS/ RECEPTORS, DOPAMINE, drug effects/ \*RECEPTORS, DOPAMINE, physiology/ SCOPOLAMINE, pharmacodynamics/ SELF STIMULATION, drug effects/ \*SELF STIMULATION, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2917. Nelsestuen GL: Interactions of vitamin K-dependent proteins with calcium ions and phospholipid membranes. Fed Proc 37(12):2621-5, Oct 78  
\*BLOOD COAGULATION/ \*CALCIUM, metabolism/ FACTOR V, metabolism/ FACTOR X, metabolism/ MEMBRANE PROTEINS, metabolism/ \*MEMBRANES, metabolism/ MODELS, BIOLOGICAL/ PHOSPHOLIPIDS, metabolism/ PROTEIN BINDING/ PROTHROMBIN, metabolism/ THROMBIN, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*VITAMIN K, physiology
2918. Nelson GA, Lew KK, Ward S: Intersex, a temperature-sensitive mutant of the nematode Caenorhabditis elegans. Dev Biol 66(2):386-409, Oct 78  
ANIMAL/ CAENORHABDITIS, anatomy &



## AUTHOR SECTION

- hystology/ \*CAENORHABDITIS, genetics/ FEMALE/ \*FERTILIZATION/ GENES, RECESSIVE/ GONADS, anatomy & histology/ HERMAPHRODITISM/ MALE/ MODELS, BIOLOGICAL/ \*MUTATION/ PHENOTYPE/ SEX DETERMINATION/ \*SEX/ SPERMATOGENESIS/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED, P.H.S./ X CHROMOSOME
2919. Nelson L: Chemistry and neurochemistry of sperm motility control. Fed Proc 37(11):2543-7, Sep 78 (25 ref.)  
ACETYLCHOLINE, biosynthesis/ ACETYLCHOLINE, pharmacodynamics/ ANIMAL/ BUNGAROTOXINS, pharmacodynamics/ CALCIUM, metabolism/ CHEMISTRY/ CURARE, pharmacodynamics/ DIMETHYL SULFOXIDE, pharmacodynamics/ MALE/ \*NEUROCHEMISTRY/ PHYSOSTIGMINE, pharmacodynamics/ POTASSIUM, metabolism/ PROCANINE, pharmacodynamics/ REVIEW/ SEA URCHINS/ \*SPERM MOTILITY/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2920. Nelson ML: Endocrine responses to chronic high altitude exposure. pp. 290-1.  
In: Assenmacher I, Farner DS, ed. Environmental endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.  
\*ALTITUDE/ ANIMAL/ \*ANOXIA, physiopathology/ FEMALE/ \*HORMONES, physiology/ IODINE, blood/ MONOGRAPH/ RATS/ REPRODUCTION/ THYROID GLAND, physiology/ THYROID GLAND, physiopathology
2921. Nelson TE: Excitation-contraction coupling: a common etiologic pathway for malignant hyperthermia susceptible muscle. pp. 23-36.  
In: Aldrete JA, Britt BA, ed. Malignant hyperthermia. New York, Grune & Stratton, 1978. W3 IN919GK 1977s.  
ABDOMINAL WALL, physiology/ ABDOMINAL WALL, physiopathology/ ANIMAL/ CAFFEINE, pharmacodynamics/ CALCIUM, metabolism/ DANTROLENE, pharmacodynamics/ HALOTHANE, pharmacodynamics/ HUMAN/ IN VITRO/ LACTATES, metabolism/ LEG/ MALIGNANT HYPERTHERMIA, metabolism/ \*MALIGNANT HYPERTHERMIA, physiopathology/ MONOGRAPH/ \*MUSCLE CONTRACTION, drug effects/ MUSCLES, metabolism/ \*MUSCLES, physiopathology/ SWINE/ THORAX
2922. Nemeroff CB, Bisette G, Greeley GH, et al: Effects of acute administration of monosodium-L-glutamate (MSG), atropine or haloperidol on anterior pituitary hormone secretion in the rat. Brain Res 156(1):198-201, 3 Nov 78  
ANIMAL/ \*ATROPINE, pharmacodynamics/ FSH, blood/ \*GLUTAMATES, pharmacodynamics/ \*HALOPERIDOL, pharmacodynamics/ LH, blood/ MALE/ PITUITARY GLAND, ANTERIOR, drug effects/ \*PITUITARY GLAND, ANTERIOR, secretion/ PROLACTIN, blood/ RATS/ \*SODIUM GLUTAMATE, pharmacodynamics/ SOMATOTROPIN, blood/ THYROTROPIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2923. Némethová V, Izakovič V, Lukačová M, et al: Diagnostischer Aussagewert von Untersuchungsbefunden bei der Monosomie X. Ermittelt an 34 eigenen Fällen. Monatsschr Kinderheilkd 126(10):616-21, Oct 78 (Eng. Abstr.) (Ger)  
ABNORMALITIES, MULTIPLE, familial & genetic/ ADOLESCENCE/ ADULT/ AGE FACTORS/ AMENORRHEA, etiology/ CHILD/ DWARFISM, etiology/ ENGLISH ABSTRACT/ FEMALE/ GONADOTROPINS, urine/ HUMAN/ INFANT/ KARYOTYPING/ KIDNEY, abnormalities/ MENOPAUSE/ MOSAICISM/ PUBERTY/ \*SEX CHROMOSOME ABNORMALITIES, diagnosis/ \*SEX CHROMOSOMES/ \*X CHROMOSOME
2924. Nenci I: Receptor and centriole pathways of steroid action in normal and neoplastic cells. Cancer Res 38(11 Pt 2):4204-11, Nov 78  
\*BREAST NEOPLASMS, metabolism/ CELL DIVISION, drug effects/ CELL NUCLEUS, metabolism/ CENTRIOLES, drug effects/ \*CENTRIOLES, metabolism/ CYTOPLASM, metabolism/ FEMALE/ HUMAN/ IN VITRO/ \*NEOPLASMS, HORMONE-DEPENDENT, metabolism/ \*ORGANOIDS, metabolism/ \*RECEPTORS, ESTROGEN, metabolism/
- \*STERIODS, pharmacodynamics
2925. Nerlo H, Umer S, Gwiżdż Z: Preparaty z hormonów nadnerczy. V. Technika przygotowania zawiesin mikrokryształnych do wstrzykiwań z testosteronem. Acta Pol Pharm 35(3):339-46, 1978 (Eng. Abstr.)  
CRYSTALLIZATION/ ENGLISH ABSTRACT/ INJECTIONS/ PARTICLE SIZE/ SUSPENSIONS/ \*TESTOSTERONE, administration & dosage/ ULTRASONICS
2926. Nesheim BI: P-pillar og cancer cervicis uteri. Tidsskr Nor Lægeforen 98(29):1422-3, 20 Oct 78  
\*CERVIX NEOPLASMS, chemically induced/ \*CONTRACEPTIVES, ORAL, adverse effects/ \*CONTRACEPTIVES, ORAL, COMBINED, effects/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ RISK
2927. Nesterov N, Stanchev F, Krustev A, et al: Vliianie na ir vorkhu količestvoto na somatotropniia khormon, iminoreaktivniia insulin, krvnata zakhar i svobodnite kiselin priovtse. Vet Med Nauki 15(2):15-20, 1978 (Abstr.)  
ANIMAL/ \*ANTIGENS, analysis/ \*BLOOD SUGAR, analysis/ ENGLISH ABSTRACT/ \*FATTY ACIDS, metabolism/ INJECTIONS/ INTRAVENOUS/ INSULIN, blood/ \*INSULIN, pharmacodynamics/ \*SHEEP, blood/ \*SOMATOTROPIN, blood/ TIME FACTORS
2928. Nestler EJ, Beam KG, Greengard P: Nicotinic choline stimulation increases cyclic GMP levels in vertebrate skeletal muscle. Nature 275(5679):451-3, 5 Oct 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ ELECTRIC STIMULATION/ FROGS/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ MEMBRANE POTENTIALS/ MOTOR NEURONS, physiology/ \*MUSCLES, metabolism/ NEURONAL TRANSMISSION/ NEUROMUSCULAR JUNCTION, physiology/ RANA PIPIENS/ \*RECEPTORS, CHOLINERGIC, physiology/ \*RECEPTORS, NICOTINIC, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2929. Netz P, Eriksson K, Strömberg L: Torsional strength geometry of diaphyseal bone. An experimental study on the rabbit. Acta Orthop Scand 49(5):430-4, Oct 78  
ANIMAL/ BONE AND BONES, anatomy & histology/ \*BONE AND BONES, physiology/ DOGS/ FEMALE/ FEMUR, anatomy & histology/ FEMUR, physiology/ MALE/ TENSILE STRENGTH/ TIBIA, anatomy & histology/ TIBIA, physiology
2930. Neufeld AH, Zawistowski KA, Page ED, et al: Influence of the density of beta-adrenergic receptors in the corneal endothelium on the ciliary body of the rabbit. Invest Ophthalmol Vis Sci 17(11):1069-75, Nov 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ANIMAL/ \*CILARY BODY, analysis/ CILIARY BODY, drug effects/ \*CORNEA, analysis/ CORNEA, drug effects/ DENERVATION/ EPINEPHRINE, pharmacodynamics/ \*IRIS, analysis/ IRIS, drug effects/ MALE/ RABBITS/ \*RECEPTORS, ADRENERGIC, analysis/ \*RECEPTORS, ADRENERGIC, analysis/ TIMOLOL, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2931. Neuwirth M: Stress fracture after high tibial osteotomy: report. Bull Hosp Joint Dis 39(1):92-9, Apr 78  
AGED/ CASE REPORT/ FEMALE/ HUMAN/ KNEE JOINT/ OSTEOARTHRITIS, radiography/ OSTEOARTHRITIS, surgery/ OSTEOPOROSIS, complications/ OSTEOPOROSIS, radiography/ \*OSTEOTOMY, adverse effects/ \*POSTOPERATIVE COMPLICATIONS/ \*TIBIAL FRACTURES, etiology/ TIBIAL FRACTURES, radiography
2932. Nevo S: Familial ovarian carcinoma: a problem in genetic counselling. Clin Genet 14(4):219-22, Oct 78  
\*ADENOCARCINOMA, PAPILLARY, familial & genetic/ BREAST NEOPLASMS, familial & genetic/ CASE REPORT/ FEMALE/ GENES, DOMINANT/ \*GENETIC COUNSELING/ HUMAN/ MID-AGE/ \*OVARIAN NEOPLASMS, familial & genetic/ PEDIGREE
2933. Nemeroff CB, Bisette G, Greeley GH, et al: Effects of acute administration of monosodium-L-glutamate (MSG), atropine or haloperidol on anterior pituitary hormone secretion in the rat. Brain Res 156(1):198-201, 3 Nov 78  
ANIMAL/ \*ATROPINE, pharmacodynamics/ FSH, blood/ \*GLUTAMATES, pharmacodynamics/ \*HALOPERIDOL, pharmacodynamics/ LH, blood/ MALE/ PITUITARY GLAND, ANTERIOR, drug effects/ \*PITUITARY GLAND, ANTERIOR, secretion/ PROLACTIN, blood/ RATS/ \*SODIUM GLUTAMATE, pharmacodynamics/ SOMATOTROPIN, blood/ THYROTROPIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.



# AUTHOR SECTION

- polyacrylamide gel electrophoresis: solubilized but active.  
Arch Biochem Biophys 190(1):109-17, Sep 78  
\*ADENYL CYCLASE, metabolism/ ANIMAL/ CELL  
MEMBRANE, enzymology/ ELECTROPHORESIS,  
POLYACRYLAMIDE GEL/ FLUORIDES,  
pharmacodynamics/ GLUCAGON,  
pharmacodynamics/ GUANYLYL  
IMIDODIPHOSPHATE, pharmacodynamics/  
KINETICS/ LIVER, enzymology/ MOLECULAR  
WEIGHT/ RATS/ SOLUBILITY
2934. Niarchos AP, Baer L, Radichevich I: Role of renin and aldosterone suppression in the antihypertensive mechanism of clonidine. Am J Med 65(4):614-8, Oct 78  
ADULT/ AGED/ \*ALDOSTERONE, secretion/  
ANGIOTENSIN II, antagonists & inhibitors/  
\*ANTIHYPERTENSIVE AGENTS/ BLOOD  
PRESSURE, drug effects/ \*CLONIDINE,  
pharmacodynamics/ \*CLONIDINE, therapeutic use/  
COMPARATIVE STUDY/ FEMALE/ HUMAN/  
HYPERTENSION, drug therapy/ HYPERTENSION,  
enzymology/ HYPERTENSION, physiopathology/  
MALE/ MIDDLE AGE/ \*RENIN, blood/  
SARALASIN, pharmacodynamics
2935. Nichols BL, Nichols VN: The biological basis of lactation. Compr Ther 4(10):63-70, Oct 78 (14 ref.)  
ANIMAL/ BODY WATER, secretion/ \*BREAST  
FEEDING/ CARBOHYDRATES, secretion/  
CATTLE/ FATHERS/ FEMALE/ HUMAN/  
INFANT/ INFANT, NEWBORN/ \*LACTATION/  
LIPIDS, secretion/ MALE/ MILK PROTEINS,  
secretion/ \*MILK, HUMAN, secretion/  
MOTHER-CHILD RELATIONS/ NUTRITIONAL  
REQUIREMENTS/ PHYSICIAN-PATIENT  
RELATIONS/ PREGNANCY/ REVIEW/ SALTS,  
secretion
2936. Nichols DH: Effects of pelvic relaxation on gynecologic urologic problems. Clin Obstet Gynecol 21(3):759-74, Sep 78  
\*BLADDER DISEASES, diagnosis/ BLADDER  
DISEASES, etiology/ BLADDER DISEASES,  
surgery/ BLADDER, surgery/ ESTROGENS,  
deficiency/ FEMALE/ HUMAN/ LIGAMENTS,  
surgery/ MENOPAUSE/ METHODS/  
PREGNANCY/ PROLAPSE/ URETHRA, surgery/  
\*URETHRAL DISEASES, diagnosis/ URETHRAL  
DISEASES, etiology/ URETHRAL DISEASES,  
surgery/ URINATION/ UTERINE PROLAPSE,  
complications/ \*UTERINE PROLAPSE, diagnosis/  
UTERINE PROLAPSE, surgery/ VAGINA,  
physiology/ VAGINA, surgery
2937. Nicholson ML, Young DA: Effect of glucocorticoid hormones in vitro on the structural integrity of nuclei in corticosteroid-sensitive and -resistant lines of lymphosarcoma P1798. Cancer Res 38(11 Pt 1):3673-80, Nov 78  
\*ADRENAL CORTEX HORMONES,  
pharmacodynamics/ ANIMAL/ \*CELL NUCLEUS,  
drug effects/ CELL SURVIVAL, drug effects/  
COMPARATIVE STUDY/ CORTODOXONE,  
pharmacodynamics/ CYCLOHEXIMIDE,  
pharmacodynamics/ DEXAMETHASONE,  
pharmacodynamics/ DRUG RESISTANCE/  
\*GLUCOCORTICOID, SYNTHETIC,  
pharmacodynamics/ HYDROCORTISONE,  
pharmacodynamics/ IN VITRO/  
LYMPHOSARCOMA, drug therapy/ MALE/ MICE/  
MICE, INBRED BALB C/ \*SARCOMA,  
EXPERIMENTAL, drug therapy/ TIME FACTORS/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
2938. Nicolaidis S: Rôle des réflexes anticipateurs oro-végétatifs dans la régulation hydrominérale et énergétique. J Physiol (Paris) 74(1):1-19, 1978 (85 ref.) (Eng. Abstr.) (Fre)  
ACTION POTENTIALS/ AFFERENT PATHWAYS,  
physiology/ ALDOSTERONE, secretion/  
ANGIOTENSIN II, secretion/ ANIMAL/  
AUTONOMIC NERVOUS SYSTEM/ BLOOD  
SUGAR/ \*CONDITIONING, CLASSICAL/  
DEHYDRATION, physiopathology/ DIURESIS/  
DRINKING/ EFFERENT PATHWAYS, physiology/  
\*ENERGY METABOLISM/ ENGLISH  
ABSTRACT/ FEMALE/ GLUCAGON, secretion/  
HUMAN/ INFUSIONS, PARENTERAL/ INSULIN,  
secretion/ MALE/ \*MOUTH, innervation/  
PANCREAS, secretion/ RATS/ REVIEW/  
\*STOMACH, innervation/ SWEATING/ TASTE  
BUDS, physiology/ VASOPRESSINS, secretion/  
\*WATER-ELECTROLYTE BALANCE
2939. Nicolson GL, Brunson KW, Fidler IJ: Specificity of arrest, survival, and growth of selected metastatic variant cell lines. Cancer Res 38(11 Pt 2):4105-11, Nov 78 (48 ref.)  
ANIMAL/ BRAIN NEOPLASMS, pathology/ CELL  
DIVISION/ CELL LINE/ CELL MEMBRANE,  
pathology/ CELL SURVIVAL/ COMPARATIVE  
STUDY/ CYTOTOXICITY, IMMUNOLOGIC/  
DISEASE MODELS, ANIMAL/ FEMALE/ LIVER  
NEOPLASMS, pathology/ LUNG NEOPLASMS,  
pathology/ LYMPHOCYTES, immunology/  
MELANOMA, immunology/ MELANOMA,  
pathology/ MICE/ \*NEOPLASM CIRCULATING  
CELLS/ \*NEOPLASM METASTASIS/  
NEOPLASMS, EXPERIMENTAL, blood/  
NEOPLASMS, EXPERIMENTAL, immunology/  
\*NEOPLASMS, EXPERIMENTAL, pathology/  
OVARIAN NEOPLASMS, pathology/ REVIEW/  
SARCOMA, EXPERIMENTAL, pathology/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
2940. Nielsen J: Diagnostisering af kromosomabnormiteter i Danmark. Ugeskr Laeger 140(41):2495-99, 9 Oct 78 (Eng. Abstr.) (Dan)  
AUTOSOME ABNORMALITIES, diagnosis/  
AUTOSOME ABNORMALITIES, occurrence/  
CHROMOSOME ABERRATIONS/ CHROMOSOME  
ABNORMALITIES, diagnosis/ \*CHROMOSOME  
ABNORMALITIES, occurrence/ DENMARK/  
ENGLISH ABSTRACT/ FEMALE/ HUMAN/  
\*PRENATAL DIAGNOSIS/ SEX CHROMOSOME  
ABNORMALITIES, diagnosis/ SEX CHROMOSOME  
ABNORMALITIES, occurrence
2941. Nieminen MS, Elonen E, Pelkonen R, et al: Acromegaly and the heart [letter] Circulation 58(4):757, Oct 78  
ACROMEGALY, complications/ \*ACROMEGALY,  
physiopathology/ ELECTROCARDIOGRAPHY/  
\*HEART ENLARGEMENT, etiology/ \*HEART,  
physiopathology/ HUMAN
2942. Nienhuis AW, Stamatoiyannopoulos G: Hemoglobin switching. Cell 15(1):307-15, Sep 78  
CELL DIFFERENTIATION/ CELLS, CULTURED/  
CHROMATIN, ultrastructure/ ERYTHROPOIESIS/  
GENES, STRUCTURAL/ HEMATOPOIETIC STEM  
CELLS, cytology/ \*HEMOGLOBINS, biosynthesis/  
HEMOGLOBINS, genetics/ HORMONES,  
pharmacodynamics/ HUMAN/ NUCLEIC ACID  
PRECURSORS, metabolism/ STRESS, metabolism/  
TRANSCRIPTION, GENETIC
2943. Niepomniszcze H, Coleoni AH, Degrossi OJ, et al: Biochemical studies on the iodine organification defect of Pendred's syndrome. Acta Endocrinol (Copenh) 89(1):70-9, Sep 78  
ADOLESCENCE/ CASE REPORT/  
CHROMATOGRAPHY, PAPER/ \*DEAFNESS,  
congenital/ DEAFNESS, enzymology/  
ELECTROPHORESIS, POLYACRYLAMIDE GEL/  
FEMALE/ GOITER, enzymology/ \*GOITER,  
metabolism/ HUMAN/  
IMMUNOELECTROPHORESIS/ IODIDE  
PEROXIDASE, metabolism/ \*IODINE, metabolism/  
MONOAMINE OXIDASE, metabolism/ NADPH  
CYTOCHROME C REDUCTASE, metabolism/  
PROTEINS, metabolism/ SYNDROME/  
THYROGLOBULIN, metabolism/ THYROID  
GLAND, enzymology/ \*THYROID GLAND,  
metabolism/ \*THYROID HORMONES, metabolism/  
THYROIDECTOMY
2944. Niewenhuis RJ, Fende PL: The protective effect of selenium on cadmium-induced injury to normal and cryptorchid testes in the rat. Biol Reprod 19(1):1-7, Aug 78  
ANIMAL/ \*CADMIUM, antagonists & inhibitors/  
\*CAPILLARIES, drug effects/ CRYPTORCHISM,  
pathology/ CRYPTORCHISM, physiopathology/  
ENDOTHELIUM, drug effects/ INTERCELLULAR  
JUNCTIONS, drug effects/ MALE/ RATS/  
\*SELENIUM, pharmacodynamics/ \*TESTICULAR  
DISEASES, chemically induced/ TESTIS, blood  
supply/ UNITED STATES GOV'T SUPPORTED,  
P.H.S.
2945. Nihei N, Ikeda Y: [Determination of T3 uptake using T3 antibody--evaluation of Konsul T3 uptake] Horumon To Rinsho 26(8):813-6, Aug 78 (Jpn)  
ANTIBODIES/ COMPARATIVE STUDY/



# AUTHOR SECTION

- HUMAN/ \*PROTEIN-BOUND IODINE TEST, methods/ \*REAGENT KITS, DIAGNOSTIC, standards/ \*TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, immunology
2946. Nikkanen V, Söderström KO, Parvinen M: Identification of the spermatogenic stages in living seminiferous tubules of man. *J Reprod Fertil* 53(2):255-7, Jul 78  
CELL AGGREGATION/ HUMAN/ MALE/ MICROSCOPY, PHASE CONTRAST/ \*SEMINIFEROUS EPITHELIUM, cytology/ \*SPERMATOGENESIS/ \*TESTIS, cytology/ TRANSILLUMINATION
2947. Nillius SJ: Therapeutic use of luteinizing hormone-releasing hormone in the human female. *Curr Top Mol Endocrinol* 3:93-112, 1976  
ADULT/ AMENORRHEA, drug therapy/ \*ANOVLATION, drug therapy/ CLOMIPHENE, pharmacodynamics/ ESTROGENS, blood/ FEMALE/ FSH, blood/ GRAAFIAN FOLLICLE, drug effects/ HUMAN/ LH, blood/ \*LH-FSH RELEASING HORMONE, therapeutic use/ MENOTROPINS, pharmacodynamics/ MENSTRUATION/ OVARY, drug effects/ OVULATION, drug effects/ PREGNANCY/ PROGESTERONE, blood/ \*STERILITY, FEMALE, drug therapy
2948. Nillius SJ: Prolaktin och human reproduktion. *Katilolehti* 83(7-8):284-91, Jul-Aug 78 (Swe)  
FEMALE/ HUMAN/ LACTATION/ \*OVULATION/ \*PROLACTIN, physiology
2949. Nilnophakoon N: Histological studies on the regional postnatal differentiation of the epididymis in the ram. *Anat Histol Embryol* 7(3):253-72, Sep 78  
AGE FACTORS/ ANIMAL/ \*EPIDIDYMIS, cytology/ EPIDIDYMIS, growth & development/ MALE/ SEMINIFEROUS EPITHELIUM, cytology/ SEMINIFEROUS TUBULES, cytology/ \*SHEEP, anatomy & histology/ TESTIS, cytology
2950. Nilsson BS, Hanngren A, Lins LE, et al: Acute phase of sarcoidosis with splenomegaly and hypercalcemia. Description of a case, including a report about splenectomy and the preparation and testing of a Kveim antigen from the spleen. *Scand J Respir Dis* 59(4):199-209, Aug 78  
ACUTE DISEASE/ ANEMIA, etiology/ \*ANTIGENS/ CASE REPORT/ HUMAN/ \*HYPERCALCEMIA, etiology/ \*KVEIM TEST/ \*LUNG DISEASES, complications/ LUNG DISEASES, immunology/ MALE/ \*SARCOIDOSIS, complications/ SARCOIDOSIS, immunology/ \*SKIN TESTS/ \*SPLEEN, immunology/ \*SPLENECTOMY/ \*SPLENOMEGALY, etiology
2951. Nilsson CG, Lähdenmäki P: Plasma prolactin concentrations in women treated with low dose combination type oral contraceptives and in women using a d-norgestrel-releasing intrauterine device. *Ann Clin Res* 10(4):242-5, Aug 78  
ADULT/ COMPARATIVE STUDY/ DRUG COMBINATIONS/ ETHINYL ESTRADIOL, administration & dosage/ \*ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ INTRAUTERINE DEVICES, MEDICATED/ MENSTRUATION/ NORGESTREL, administration & dosage/ \*NORGESTREL, pharmacodynamics/ \*PROLACTIN, blood
2952. Nilsson G: Micronuclei studied in fine needle goitre aspirates. *Acta Pathol Microbiol Scand [A]* 86(3):201-4, May 78  
BIOPSY, NEEDLE, instrumentation/ CARCINOMA, pathology/ \*CELL NUCLEUS, pathology/ \*GOITER, pathology/ HUMAN/ PRECANCEROUS CONDITIONS, pathology/ \*THYROID DISEASES, pathology/ THYROID NEOPLASMS, pathology/ THYROIDITIS, pathology
2953. Nilsson O, Almqvist S, Karlberg BE: Salmon calcitonin in the acute treatment of moderate and severe hypercalcemia in man. *Acta Med Scand* 204(4):249-52, 1978  
ACUTE DISEASE/ ADULT/ AGED/ CALCITONIN, administration & dosage/ \*CALCITONIN, therapeutic use/ CLINICAL RESEARCH/ DRUG EVALUATION/ FEMALE/ HORMONES, SYNTHETIC, administration & dosage/ HORMONES, SYNTHETIC, therapeutic use/ HUMAN/ \*HYPERCALCEMIA, drug therapy/ INFUSIONS, PARENTERAL/ MALE/ MIDDLE AGE/ SALMON
2954. Nimitkitpaisan Y, Skolnick P: Catecholamine receptors and cyclic AMP formation in the central nervous system: effects of tetrahydroisoquinoline derivatives. *Life Sci* 23(4):375-24 Jul 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE biosynthesis/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, metabolism/ ALPRENOLOL, analogs & derivatives/ ALPRENOLOL, metabolism/ BRAIN, drug effects/ \*BRAIN, metabolism/ \*CATECHOLAMINES, metabolism/ DIOXANES, metabolism/ HALOPERIDOL, metabolism/ \*ISOQUINOLINES, pharmacodynamics/ PHENYLETHERS, metabolism/ TETRAHYDROPAPAVEROLINE, pharmacodynamics
2955. Nir I, Hirschmann N, Puder M, et al: Changes in rodent thyroid hormones and cyclic-AMP following treatment with pinindolic compounds. *Arch Int Physiol Biochim* 86(2):353-58, May 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE metabolism/ ANIMAL/ HYDROXYTRYPTOPHOL, pharmacodynamics/ \*INDOLES, pharmacodynamics/ MALE/ MELATONIN, pharmacodynamics/ ORG. CULTURE/ RATS/ SEROTONIN, pharmacodynamics/ THYROID GLAND, drug effects/ \*THYROID GLAND, metabolism/ \*THYROID HORMONES, metabolism/ THYROXINE, metabolism/ TRIIODOTHYRONINE, metabolism
2956. Nishikawa M: [Studies on the biological action of uterine R in rat implantation (author's transl)] *Nippon Naibunpi Gakkai Zasshi* 54(5):692-709, 20 May 78 (Eng. Abstr.)  
ANIMAL/ CASTRATION/ CELL DIVISION, drug effects/ DECIDUA, analysis/ ENDOMETRIUM, cytology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*NIDATION/ NIDATION, drug effects/ NIDATION, DELAYED/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ RATS/ RNA isolation & purification/ \*RNA, physiology/ \*UTERUS, analysis
2957. Nishino H, Tillotson LG, Schiller RM, et al: Sodium-stimulated active transport of aminoisobutyric acid by reconstituted vesicles from partially purified plasma membranes of mouse fibroblasts transformed by simian virus 40. *Proc Natl Acad Sci USA* 75(8):3856-8, Aug 78  
\*AMINOISOBUTYRIC ACID, metabolism/ BIOLOGICAL TRANSPORT, ACTIVE/ \*CELL MEMBRANE, metabolism/ CELL TRANSFORMATION, VIRAL/ CELLS, CULTURED/ CHLORIDES, pharmacodynamics/ LIPOSOMES, metabolism/ MALEIC ANHYDRIDE, metabolism/ MEMBRANE PROTEINS, isolation & purification/ \*MEMBRANES, ARTIFICIAL/ \*SODIUM, pharmacodynamics/ SV40 VIRUS/ TEMPERATURE/ THIOCYANATES, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2958. Nishizuka Y: [Thymic deficiency and autoimmune diseases of the endocrine organs] *Horumon To Rinsho* 26(8):731-6, 78 (13 ref.)  
ANIMAL/ \*AUTOIMMUNE DISEASES, etiology/ AUTOIMMUNE DISEASES, prevention & control/ \*ENDOCRINE DISEASES, etiology/ GASTRIC MUCOSA/ LYMPHATIC DISEASES, complications/ MICE/ MICE, NUDE/ OVARIAN DISEASES, etiology/ PROSTATIC DISEASES, etiology/ REVIEW/ STOMACH DISEASES, etiology/ TESTICULAR DISEASES, etiology/ THYMECTOMY/ \*THYMUS GLAND/ THYROID GLAND, physiology/ THYROID DISEASES, etiology
2959. Nisticò G, Rotiroti D, De Sarro A, et al: Behavioural, electrocortical and body temperature effects after intracerebral infusion of TRH in fowls. *Eur J Pharmacol* 50(3):253-60, 1 Aug 78  
ANIMAL/ \*BEHAVIOR, ANIMAL, drug effects/ \*BODY TEMPERATURE, drug effects/ CARBONDIOXIDE, metabolism/ CHICKENS/ \*ELECTROENCEPHALOGRAPHY/ INJECTION/ INTRAVENTRICULAR/ METHYLTYROSINE, antagonists & inhibitors/ POSTURE/ RESPIRATORY, drug effects/ THYROID HORMONES, pharmacodynamics/ THYROTROPIN RELEASING HORMONE, administration & dosage/ THYROTROPIN RELEASING HORMONE, antagonists & inhibitors/ \*THYROTROPIN RELEASING HORMONE, pharmacodynamics



## AUTHOR SECTION

0. Nitecka L, Jakiel C: Connections of the lateral preoptic-hypothalamic area with the amygdaloid nuclei in the rat. *Folia Morphol (Warsz)* 37(1):13-31, 1978  
\*AMYGDALOID BODY, anatomy & histology/  
ANIMAL/ FEMALE/ \*HYPOTHALAMUS, anatomy  
& histology/ MALE/ NERVE DEGENERATION/  
\*NEURAL PATHWAYS, anatomy & histology/  
\*PREOPTIC AREA, anatomy & histology/ RATS
1. Nivelon JL, Mabile JP, Turc C, et al: Syndrome de Turner avec hypertension artérielle généralisée, pseudocarcinoma de l'aorte (kinking) et chromosome X en anneau. (Fre) *Pediatric* 33(4):383-92, Jun 78 (Eng. Abstr.)  
AORTIC COARCTATION, radiography/ \*AORTIC DISEASES, complications/ AORTIC DISEASES, radiography/ AORTOGRAPHY/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/ \*HYPERTENSION, complications/ KARYOTYPING/ MALE/ \*SEX CHROMOSOME ABNORMALITIES, complications/ SEX CHROMOSOME ABNORMALITIES, diagnosis/ \*TURNER'S SYNDROME, complications/ X CHROMOSOME
2. Niżnikiewicz J, Pełlak O, Laba L, et al: Hiperbaria tlenowa w leczeniu rdzeniowego powikłania angiografii przytarczyc. *Pol Tyg Lek* 33(27):1081-2, 3 Jul 78 (Eng. Abstr.) (Pol)  
ADULT/ \*ANGIOGRAPHY, adverse effects/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ \*HYPERBARIC OXYGENATION/ MALE/ \*PARATHYROID GLANDS, blood supply/ \*QUADRIPLEGIA, etiology/ QUADRIPLEGIA, therapy/ \*SPINAL CORD INJURIES
3. Niżnikiewicz J, Komarnicka R, Młotowski T: Moczówka prosta jako objaw przerzutu raka oskrzela do podwzgórza. *Wiad Lek* 31(15):1079-82, 1 Aug 78 (Eng. Abstr.) (Pol)  
\*ADENOMA/ ADULT/ \*BRAIN NEOPLASMS/ \*BRONCHIAL NEOPLASMS/ CASE REPORT/ DIABETES INSIPIDUS, diagnosis/ \*DIABETES INSIPIDUS, etiology/ ENGLISH ABSTRACT/ HUMAN/ \*HYPOTHALAMUS/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS
4. Nobin A, Björklund A: Degenerative effects of various neurotoxic indoleamines on central monoamine neurons. *Ann NY Acad Sci* 305:305-27, 12 Jun 78 (39 ref.)  
ANIMAL/ AXONS, drug effects/ CATECHOLAMINES, metabolism/ \*CATECHOLAMINES, physiology/ \*CENTRAL NERVOUS SYSTEM, drug effects/ CENTRAL NERVOUS SYSTEM, metabolism/ CENTRAL NERVOUS SYSTEM, pathology/ DESIPRAMINE, pharmacodynamics/ IN VITRO/ \*NEURONS, drug effects/ REVIEW/ SEROTONIN, metabolism/ \*SEROTONIN, physiology/ \*TRYPTAMINES, pharmacodynamics/ 5,6-DIHYDROXYTRYPTAMINE, metabolism/ 5,6-DIHYDROXYTRYPTAMINE, pharmacodynamics/ 5,7-DIHYDROXYTRYPTAMINE, metabolism/ 5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics
5. Noda S, Kubota K, Yoshizawa S, et al: Visualization of vitamin D-dependent calcium binding protein in chick intestinal tissue by immuno-scanning electron microscopy. *J Nutr Sci Vitaminol (Tokyo)* 24(3):331-4, 1978  
ANIMAL/ \*CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT, analysis/ CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT, metabolism/ \*CARRIER PROTEINS, analysis/ CHICKENS/ CHOLECALCIFEROLS, pharmacodynamics/ \*DUODENUM, analysis/ DUODENUM, ultrastructure/ IMMUNOASSAY/ INTESTINAL MUCOSA, analysis/ INTESTINAL MUCOSA, ultrastructure/ MICROSCOPY, ELECTRON, SCANNING
6. Noe JM, Sato R, Coleman C, et al: Construction of male genitalia: the Stanford experience. *Arch Sex Behav* 7(4):297-303, Jul 78  
ADULT/ CALIFORNIA/ FEMALE/ GENITALIA, FEMALE, surgery/ \*GENITALIA, MALE, surgery/ HUMAN/ METHODS/ MIDDLE AGE/ PENIS, surgery/ POSTOPERATIVE COMPLICATIONS/ PROSTHESIS/ TESTIS, surgery/ TIME FACTORS/ \*TRANSSEXUALISM, surgery
7. Noffsinger GR, Carbone MG: Nonabdominal approach to castration of the cryptorchid cat. *J Am Vet Med Assoc* 173(3):303-4, 1 Aug 78  
ANIMAL/ CASTRATION, methods/  
\*CASTRATION, veterinary/ \*CAT DISEASES, surgery/ CATS/ CRYPTORCHISM, surgery/  
\*CRYPTORCHISM, veterinary/ MALE
2968. Noguchi A: [Treatment of hyperthyroidism] *Nippon Rinsho* Suppl:1566-7, May 78 (Jpn)  
ADOLESCENCE/ ADULT/ CHILD/ HUMAN/  
\*HYPERTHYROIDISM, therapy/ MALE/ MIDDLE AGE
2969. Nolan JC, Ridge S, Oronsky AL, et al: Studies on the mechanism of reduction of prolyl hydroxylase activity by D,L-3,4 dehydropirole. *Arch Biochem Biophys* 189(2):448-53, Aug 78  
BONE AND BONES, cytology/ CHICK EMBRYO/ COLLAGEN, pharmacodynamics/ COMPARATIVE STUDY/ PEPTIDES, pharmacodynamics/ PROLINE HYDROXYLASE, immunology/ \*PROLINE HYDROXYLASE, metabolism/ \*PROLINE, analogs & derivatives/ PROLINE, pharmacodynamics
2970. Nolten WE, Lindheimer MD, Oparil S, et al: Desoxycorticosterone in normal pregnancy. I. Sequential studies of the secretory patterns of desoxycorticosterone, aldosterone, and cortisol. *Am J Obstet Gynecol* 132(4):414-20, 15 Oct 78  
\*ALDOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ \*DESOXYCORTICOSTERONE, blood/ DEXAMETHASONE, pharmacodynamics/ FEMALE/ HUMAN/ \*HYDROCORTISONE, blood/ \*PREGNANCY/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2971. Nony CR, Bowman MC: Carcinogens and analogs: trace analysis of thirteen compounds in admixture in wastewater and human urine. *Int J Environ Anal Chem* 5(3):203-20, 1978  
AMINES, analysis/ AMINES, urine/ CARCINOGENS, ENVIRONMENTAL, analysis/ \*CARCINOGENS, ENVIRONMENTAL, urine/ CHROMATOGRAPHY, GAS/ ESTROGENS, analysis/ ESTROGENS, urine/ HUMAN/ HYDROCARBONS, FLUORINATED/ INDICATORS AND REAGENTS/ METHODS/ \*SEWAGE/ \*WASTE DISPOSAL, FLUID
2972. Noordboek J, van den Berg AP, Savenije-Chapel EM, et al: Sex differences in the kinetic constants of ethylmorphine demethylation and type I binding to hepatic microsomal cytochrome P-450 in mice. The influence of castration and testosterone. *Xenobiotica* 8(8):515-22, Aug 78  
ANIMAL/ \*CASTRATION/ COMPARATIVE STUDY/ \*CYTOCHROME P-450, metabolism/ DEALKYLATION/ \*ETHYLMORPHINE, metabolism/ FEMALE/ IN VITRO/ KINETICS/ MALE/ MICE/ MICE, INBRED STRAINS/ MICROSOMES, LIVER, drug effects/ \*MICROSOMES, LIVER, metabolism/ \*MORPHINE DERIVATIVES, metabolism/ PROTEIN BINDING/ SEX FACTORS/ \*TESTOSTERONE, pharmacodynamics
2973. Norcross K, Speblmann R: Decreased sensitivity of caudal neurons to microiontophoretic dopamine in dopamine-depleted caudate nucleus. *Brain Res* 156(1):175-80, 3 Nov 78  
ACTION POTENTIALS, drug effects/ ANIMAL/ CATS/ \*CAUDATE NUCLEUS, drug effects/ CAUDATE NUCLEUS, metabolism/ DENERVATION/ DOPAMINE, metabolism/ \*DOPAMINE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ELECTRIC STIMULATION/ NEURAL PATHWAYS, physiology/ NEURONS, drug effects/ NOREPINEPHRINE, metabolism/ \*RECEPTORS, DOPAMINE, drug effects/ SEROTONIN, metabolism/ \*SUBSTANTIA NIGRA, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2974. Nordin BE, Horsman A, Brook R, et al: The relationship between oestrogen status and bone loss in post-menopausal women. *Clin Endocrinol (Oxf)* 5 Suppl:353S-361S, 1976  
AGING/ \*BONE RESORPTION, physiopathology/ CALCIUM, metabolism/ CREATININE, urine/ ESTROGENS, metabolism/ \*ESTROGENS, physiology/ FEMALE/ FRACTURES, metabolism/ FRACTURES, physiopathology/ HUMAN/ HYDROXYPROLINE, urine/ \*MENOPAUSE/ METACARPUS, pathology/ OSTEOLYSIS,

# AUTHOR SECTION

- metabolism/ \*OSTEOLYSIS, physiopathology/  
VAGINAL SMEARS
2975. Nordmann JJ, Dyball RE: Effects of veratridine on Ca fluxes and the release of oxytocin and vasopressin from the isolated rat neurohypophysis. *J Gen Physiol* 72(3):297-304, Sep 78  
ANIMAL/ \*BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ \*CALCIUM, metabolism/ IN VITRO/ ION CHANNELS, metabolism/ \*OXYTOCIN, secretion/ PITUITARY GLAND, POSTERIOR, metabolism/ \*PITUITARY GLAND, POSTERIOR, physiology/ PITUITARY GLAND, POSTERIOR, secretion/ RATS/ SODIUM, metabolism/ \*VASOPRESSINS, secretion/ \*VERATRIDINE, pharmacodynamics/ \*VERATRINE, analogs & derivatives
2976. Norero C, Ruiz-Esqueda F: Hipertensión arterial renino dependiente en un lactante portador de una hipoplasia renal. *Rev Chil Pediatr* 48(1):51-6, Jan-Feb 77 (Eng. Abstr.) (Spa)  
DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYPERTENSION, RENAL, etiology/ INFANT/ \*KIDNEY, abnormalities/ PYELONEPHRITIS, complications/ PYELONEPHRITIS, diagnosis/ \*RENIN, secretion
2977. Norero C, Ruiz-Esqueda F: Hipertensión arterial crónica en el niño (mecanismos patogénicos y tratamiento de las principales causas de hipertensión arterial crónica en el niño). *Rev Chil Pediatr* 48(1):46-52, Jan-Feb 77 (Eng. Abstr.) (Spa)  
ANTIHYPERTENSIVE AGENTS, therapeutic use/ CHILD/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPERALDOSTERONISM, complications/ HYPERALDOSTERONISM, drug therapy/ \*HYPERTENSION, etiology/ HYPERTENSION, RENAL, drug therapy/ HYPERTENSION, RENAL, etiology/ JUXTAGLOMERULAR APPARATUS, drug effects/ \*JUXTAGLOMERULAR APPARATUS, physiopathology/ KIDNEY FAILURE, ACUTE, etiology/ MALE/ \*RENIN, secretion
2978. Norman AW, Johnson RL, Osborn TW, et al: The chemistry and conformational and biological analysis of vitamin D3, its metabolites and analogues. *Clin Endocrinol (Oxf)* 5 Suppl:121S-143S, 1976 (30 ref.)  
ANIMAL/ BINDING, COMPETITIVE/ BIOLOGICAL TRANSPORT/ BLOOD PROTEINS, metabolism/ BONE AND BONES, metabolism/ CALCIUM, metabolism/ CHEMISTRY/ CHICKENS/ \*CHOLECALCIFEROLS/ CHOLECALCIFEROLS, analogs & derivatives/ CHOLECALCIFEROLS, analysis/ CHOLECALCIFEROLS, metabolism/ CHOLECALCIFEROLS, physiology/ DIHYDROXYCHOLECALCIFEROLS, metabolism/ DIHYDROXYCHOLECALCIFEROLS, physiology/ HYDROXYCHOLECALCIFEROLS, metabolism/ HYDROXYCHOLECALCIFEROLS, physiology/ HYDROXYLATION/ INTESTINAL ABSORPTION/ INTESTINES, metabolism/ MODELS, BIOLOGICAL/ MOLECULAR CONFORMATION/ NUCLEAR MAGNETIC RESONANCE/ PROTEIN BINDING/ RECEPTORS, HORMONE, metabolism/ REVIEW/ STEREOISOMERS/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2979. Norman MR, Harmon JM, Thompson EB: Use of a human lymphoid cell line to evaluate interactions between prednisolone and other chemotherapeutic agents. *Cancer Res* 38(11 Pt 2):4273-8, Nov 78  
\*ANTINEOPLASTIC AGENTS, pharmacodynamics/ CELL CYCLE, drug effects/ CELL DIVISION, drug effects/ CELL LINE/ CLONE CELLS, drug effects/ DRUG INTERACTIONS/ DRUG THERAPY, COMBINATION/ HUMAN/ \*LEUKEMIA, EXPERIMENTAL, drug therapy/ \*LEUKEMIA, LYMPHOBLASTIC, drug therapy/ MERCAPTOPURINE, pharmacodynamics/ METHOTREXATE, pharmacodynamics/ \*NEOPLASMS, HORMONE-DEPENDENT, drug therapy/ \*PREDNISOLONE, pharmacodynamics/ VINCRISTINE, pharmacodynamics
2980. Nortjé CJ, Farman AG, Thomas CJ, et al: X-linked hypohidrotic ectodermal dysplasia—an unusual prosthetic problem. *J Prosthet Dent* 40(2):137-42, Aug 78  
\*ANODONTIA, therapy/ CASE REPORT/ CHILD/ PRESCHOOL/ \*DENTURE, COMPLETE/ \*DENTURE, OVERLAY/ \*ECTODERMAL DYSPLASIA, familial & genetic/ FEMALE/ HUMAN/ \*HYPOHIDROSIS, familial & genetic/ MALE/ \*SEX CHROMOSOMES
2981. Notelovitz M: Gynecologic problems of menopausal women. Part 3. Changes in extragenital tissues and sexuality. *Geriatrics* 33(10):51-3, 57-8, Oct 78  
ADULT/ BREAST NEOPLASMS, complications/ \*BREAST, physiology/ ESTROGENS, adverse effects/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ \*MENOPAUSE/ MIDDLE AGE/ \*SEX DISORDERS/ URETHRA, physiology/ URINARY INCONTINENCE, etiology/ URINATION DISORDERS, etiology/ \*UROLOGIC DISEASES, etiology
2982. Notter MF, Docherty JJ: Steroid hormone alteration of human simplex virus type 1 replication. *J Med Virol* 2(3):247-50, 1978  
CELL LINE/ DEXAMETHASONE, pharmacodynamics/ DNA, NEOPLASM, biosynthesis/ DNA, VIRAL, biosynthesis/ HERPESVIRUS HOMINIS, drug effects/ \*HERPESVIRUS HOMINIS, growth & development/ HERPESVIRUS HOMINIS, metabolism/ \*HORMONES, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ PREDNISOLONE, pharmacodynamics/ PROGESTERONE, pharmacodynamics/ \*STERIODS, pharmacodynamics/ \*VIRUS REPLICATION, drug effects
2983. Novikov BG: Gipotalamicheskie mekhanizmy sezonnoi tsiklichnosti razmnozheniia ptits. *Fiziol Zh* 24(5):667-70, Sep-Oct 78 (Eng. Abstr.)  
ANIMAL/ \*BIRDS, physiology/ CHICKENS, physiology/ COMPARATIVE STUDY/ DUCKS, physiology/ ENGLISH ABSTRACT/ GEESE, physiology/ \*HYPOTHALAMUS, physiology/ \*PERIODICITY/ \*REPRODUCTION/ SEASONALITY
2984. Numazawa M, Shirao R, Soeda N, et al: Properties of enzymes involved in the formation of catechol estrogen-glutathione conjugates in rat liver microsomes. *Biochem Pharmacol* 27(14):1833-8, 1978  
ANIMAL/ CARBON MONOXIDE, pharmacodynamics/ \*CATECHOLS, metabolism/ \*ESTROGENS, metabolism/ \*GLUTATHIONE, metabolism/ IN VITRO/ MALE/ METHYLCHOLANTHRENE, pharmacodynamics/ \*MICROSOMES, LIVER, enzymology/ NAD, metabolism/ OXYGEN CONSUMPTION, drug effects/ PHENOBARBITAL, pharmacodynamics/ RATS/ TIME FACTORS
2985. Nyby J, Whitney G, Schmitz S, et al: Postpubertal experience establishes signal value of mammalian sex odor. *Behav Biol* 22(4):545-52, Apr 78  
ANIMAL/ \*ANIMALS, NEWBORN/ FEMALE/ MALE/ MICE/ \*ODORS/ \*PUBERTY/ \*SEX BEHAVIOR, ANIMAL/ SOCIAL BEHAVIOR, ANIMAL/ UNITED STATES GOV'T SUPPORTED, P.H.S. VOCALIZATION, ANIMAL

## O

2986. Oakley NR, Dray A: The effects of ethanolamine-O-succinate injection into the rat substantia nigra: electrophysiological studies. *Brain Res* 153(2):387-91, 22 Sep 78  
ANIMAL/ CAUDATE NUCLEUS, drug effects/ CAUDATE NUCLEUS, physiology/ DOPAMINE, pharmacodynamics/ ELECTRIC STIMULATION/ \*ETHANOLAMINES, pharmacodynamics/ EVOKED POTENTIALS, drug effects/ GABA, metabolism/ GABA, pharmacodynamics/ MALE/ NEURAL TRANSMISSION, drug effects/ NEURONS, drug effects/ NEURONS, physiology/ RATS/ RECEPTORS, DOPAMINE, drug effects/ SEROTONIN, pharmacodynamics/ SUBSTANTIA NIGRA, drug effects/ \*SUBSTANTIA NIGRA, physiology
2987. Oates HF, Stoker LM, Monaghan JC, et al: The beta-adrenoceptor controlling renin release. *Arch Int Pharmacodyn Ther* 234(2):205-13, Aug 78  
ANGIOTENSIN II, pharmacodynamics/ ANIMALS



## AUTHOR SECTION

- BLOOD PRESSURE, drug effects/ EPINEPHRINE, pharmacodynamics/ HEART RATE, drug effects/ ISOPROTERENOL, pharmacodynamics/ NOREPINEPHRINE, pharmacodynamics/ RATS/ \*RECEPTORS, ADRENERGIC, physiology/ \*RECEPTORS, ADRENERGIC, BETA, physiology/ RENIN, blood/ \*RENIN, metabolism
0. Oates JA, Seyberth HW, Frölich JC, et al: The role of prostaglandins in the pathogenesis of human disease: elucidation with stable isotopic methods. pp. 281-7. In: Baillie TA, ed. Stable isotopes. Baltimore, Univ Park Press, 1978. QV 20.5 I61s 1978.  
HUMAN/ HYPERCALCEMIA, etiology/ \*HYPERCALCEMIA, physiopathology/ ISOTOPE LABELING, methods/ MONOGRAPH/ NEOPLASMS, complications/ \*NEOPLASMS, physiopathology/ PROSTAGLANDINS E, urine/ \*PROSTAGLANDINS, metabolism/ SPECTRUM ANALYSIS, MASS/ TRITIUM/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Obata Y, Stockert E, Yamaguchi M, et al: Source and hormone-dependence of Gix-gp70 in mouse serum. J Exp Med 148(3):793-8, 1 Sep 78  
ANIMAL/ \*ANTIGENS, VIRAL, analysis/ C-TYPE VIRUSES, immunology/ \*C-TYPE VIRUSES, metabolism/ CASTRATION/ FEMALE/ GLYCOPROTEINS, blood/ MALE/ METABOLIC CLEARANCE RATE/ MICE/ RADIATION CHIMERA/ SEX FACTORS/ SPLENECTOMY/ \*TESTOSTERONE, pharmacodynamics/ THYMECTOMY/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*VIRAL PROTEINS, blood
0. Oberleithner H, Greger R, Lang F, et al: Metabolic changes induced by acute phosphate loading in acutely thyroparathyroidectomized rats. Curr Probl Clin Biochem 8:472-3, 23-26 Oct 77  
ANIMAL/ BLOOD/ ELECTROLYTES, blood/ GLOMERULAR FILTRATION RATE/ HYDROGEN-ION CONCENTRATION/ \*KIDNEY, physiology/ MALE/ \*PARATHYROID GLANDS, physiology/ \*PHOSPHATES, metabolism/ RATS/ \*THYROIDECTOMY/ URINE
- Obidoa O, Bababunmi EA, Bassir O: Action of dihydroaflatoxins on rat liver mitochondria. 1. Membrane-dependent osmotic and redox effects of aflatoxins B2 and G2. Toxicology 11(1):29-36, Sep 78  
ADENOSINE TRIPHOSPHATASE, metabolism/ \*AFLATOXINS, pharmacodynamics/ ANIMAL/ CALCIUM, metabolism/ CYTOCHROME OXIDASE, metabolism/ CYTOCHROME REDUCTASES, metabolism/ IN VITRO/ MALE/ MEMBRANES, drug effects/ MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, enzymology/ \*MITOCHONDRIA, LIVER, metabolism/ MITOCHONDRIAL CONTRACTION, drug effects/ MITOCHONDRIAL SWELLING, drug effects/ OSMOSIS, drug effects/ OXIDATION-REDUCTION, drug effects/ RATS
2. Obika LF: Recent developments in urinary kallikrein research. Life Sci 23(8):765-73, 28 Aug 78 (102 ref.)  
ALDOSTERONE, physiology/ ANGIOTENSIN II, physiology/ ANIMAL/ ESTERASES, metabolism/ HORMONES, metabolism/ HUMAN/ KALLIKREIN, metabolism/ \*KALLIKREIN, urine/ KIDNEY, enzymology/ KIDNEY, physiology/ KININOGENS, urine/ METHODS/ PROSTAGLANDINS, metabolism/ RENIN, physiology/ REVIEW
3. Obika M, Lo SJ, Tchen TT, et al: Ultrastructural demonstration of hormone-induced movement of carotenoid droplets and endoplasmic reticulum in xanthophores of the goldfish, Carassius auratus L. Cell Tissue Res 190(3):409-16, 10 Jul 78  
\*CAROTENOIDS/ CHROMATOPHORES, drug effects/ \*CHROMATOPHORES, physiology/ CHROMATOPHORES, ultrastructure/ CORTICOTROPIN, pharmacodynamics/ CYTOCHALASIN B, pharmacodynamics/ CYTOPLASMIC GRANULES, drug effects/ \*CYTOPLASMIC GRANULES, physiology/ ENDOPLASMIC RETICULUM, drug effects/ \*ENDOPLASMIC RETICULUM, physiology/ EPINEPHRINE, pharmacodynamics/ GOLDFISH/ MOVEMENT, drug effects/ TISSUE CULTURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2994. O'Brien JR, Etherington MD, Shuttleworth RD: Ticlopidine - an antiplatelet drug: effects in human volunteers. Thromb Res 13(2):245-54, Aug 78  
ADENOSINE DIPHOSPHATE, pharmacodynamics/ \*ANTICOAGULANTS, pharmacodynamics/ BLOOD COAGULATION TESTS/ \*BLOOD PLATELETS, drug effects/ COLLAGEN/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EPINEPHRINE, pharmacodynamics/ HUMAN/ MALONDIALDEHYDE, biosynthesis/ PLATELET AGGREGATION, drug effects/ PROSTAGLANDINS, biosynthesis/ \*PYRIDINES, pharmacodynamics/ SEROTONIN, pharmacodynamics/ \*THIOPHENES, pharmacodynamics/ THROMBIN, pharmacodynamics
2995. O'Connell DJ, Marx WJ: Hand changes in primary biliary cirrhosis. Radiology 129(1):31-5, Oct 78  
ADULT/ ARTHRITIS, etiology/ ARTHRITIS, radiography/ \*BONE DISEASES, etiology/ CHONDROCALCINOSIS, etiology/ CHONDROCALCINOSIS, radiography/ FEMALE/ \*HAND/ HAND, radiography/ HUMAN/ \*LIVER CIRRHOSIS, BILIARY, complications/ MIDDLE AGE/ OSTEOMALACIA, etiology/ OSTEOMALACIA, radiography
2996. O'Connor MK, Cullen MJ, Malone JF: The influence of thyroid geometry on the response of LiF and CaSO<sub>4</sub> thermoluminescent discs to 131I and 125I irradiation. Phys Med Biol 23(4):712-22, Jul 78  
CALCIUM/ HALF-LIFE/ HUMAN/ \*IODINE RADIOISOTOPES, diagnostic use/ LITHIUM/ MODELS, STRUCTURAL/ \*THERMOLUMINESCENT DOSIMETRY/ \*THYROID FUNCTION TESTS/ \*THYROID GLAND
2997. Odne MA, Lee SC, Jeffrey LP: Rationale for adding trace elements to total parenteral nutrient solutions—a brief review. Am J Hosp Pharm 35(9):1057-9, Sep 78 (20 ref.)  
ANIMAL/ COPPER, deficiency/ COPPER, metabolism/ COPPER, physiology/ HUMAN/ IODIDES, metabolism/ IODIDES, physiology/ MANGANESE, deficiency/ MANGANESE, metabolism/ MANGANESE, physiology/ \*PARENTERAL FEEDING/ \*PARENTERAL HYPERALIMENTATION/ REVIEW/ \*TRACE ELEMENTS, administration & dosage/ ZINC, deficiency/ ZINC, metabolism/ ZINC, physiology
2998. O'Donohue TL, Crowley WR, Jacobowitz DM: Changes in ingestive behavior following interruption of a noradrenergic projection to the paraventricular nucleus: histochemical and neurochemical analyses. Pharmacol Biochem Behav 9(1):99-105, Jul 78  
ADRENERGIC FIBERS, anatomy & histology/ \*ADRENERGIC FIBERS, physiology/ AFFERENT PATHWAYS, anatomy & histology/ AFFERENT PATHWAYS, physiology/ ANIMAL/ CORPUS CALLOSUM, anatomy & histology/ CORPUS CALLOSUM, physiology/ DENERVATION/ DOPAMINE, metabolism/ DRINKING BEHAVIOR, physiology/ \*FEEDING BEHAVIOR, physiology/ \*HYPOTHALAMUS, physiology/ MALE/ MEDIAN FOREBRAIN BUNDLE, anatomy & histology/ \*NOREPINEPHRINE, metabolism/ PARAVENTRICULAR NUCLEUS, anatomy & histology/ \*PARAVENTRICULAR NUCLEUS, physiology/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
2999. Oettel M, Draffehn J, Koch M, et al: Relationship between uterotrophic and interceptive activities of steroidal estrogens. Endokrinologie 72(1):25-35, Apr 78  
ANIMAL/ COMPARATIVE STUDY/ \*CONTRACEPTIVES, ORAL, pharmacodynamics/ \*CONTRACEPTIVES, ORAL, HORMONAL, pharmacodynamics/ DRUG IMPLANTS/ \*ESTROGENS, SYNTHETIC, pharmacodynamics/ MICE/ PREGNANCY/ \*PREGNANCY, ANIMAL, drug effects/ RABBITS/ RATS/ SPECIES SPECIFICITY
3000. Oettel M, Strecke J, Ohme E, et al: Influence of 3-methylether of ethinylestradiol (Mestranol) on oviductal egg transport in rats. Endokrinologie 71(3):266-76, Mar 78  
ANIMAL/ DRUG IMPLANTS/ FALLOPIAN TUBES, drug effects/ FALLOPIAN TUBES, physiology/ FEMALE/ \*MESTRANOL,



# AUTHOR SECTION

- pharmacodynamics/ NIDATION/ OVARY, drug effects/ \*OVARY, physiology/ \*OVUM TRANSPORT, drug effects/ RATS
3001. Oettel M, Kurischko A: Physiologisch-endokrinologische Studien zum Aggressionsverhalten von Mäuseböcken. Z Versuchstierkd 20(4):186-93, 1978 (Eng. Abstr.) (Ger)  
\*AGGRESSION/ AGGRESSION, drug effects/ ANIMAL/ CYPROTERONE, pharmacodynamics/ ENGLISH ABSTRACT/ MALE/ MICE/ PROSTATECTOMY/ SEMINAL VESICLES, physiology/ ZINC, pharmacodynamics
  3002. Offerhaus L: Waarschuwing voor Cushing-syndroom en onttrekkingsverschijnselen bij Honkong-pilgebruikers. Ned Tijdschr Geneesk 122(42):1633, 21 Oct 78 (Dut)  
\*CUSHING'S SYNDROME, chemically induced/ \*DEXAMETHASONE, adverse effects/ DEXAMETHASONE, therapeutic use/ DRUG AND NARCOTIC CONTROL/ \*DRUG WITHDRAWAL SYMPTOMS/ HONG KONG/ HUMAN/ \*INDOMETHACIN, adverse effects/ INDOMETHACIN, therapeutic use/ NETHERLANDS/ RHEUMATISM, drug therapy
  3003. Ofuzi T: [Polyendocrinopathy] Nippon Rinsho Suppl:1526-7, May 78 (Jpn)  
\*ADDISON'S DISEASE/ ADDISON'S DISEASE, complications/ ADDISON'S DISEASE, immunology/ AUTOIMMUNE DISEASES, complications/ HUMAN/ THYROIDITIS, LYMPHOMATOUS, complications
  3004. Ogata E: [Pseudohypoparathyroidism and pseudopseudohypoparathyroidism] Nippon Rinsho Suppl:1512-3, May 78 (Jpn)  
HUMAN/ \*PSEUDOHYPOPARATHYROIDISM/ PSEUDOHYPOPARATHYROIDISM, metabolism/ \*PSEUDOPSEUDOHYPOPARATHYROIDISM/ PSEUDOPSEUDOHYPOPARATHYROIDISM, metabolism
  3005. Ogawa K: [Levels of plasma norepinephrine and cyclic nucleotides in bronchial asthmatic patients (author's transl)] Nippon Kyobu Shikkan Gakkai Zasshi 16(6):397-403, Jun 78 (Eng. Abstr.) (Jpn)  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ \*ASTHMA, blood/ ENGLISH ABSTRACT/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ HUMAN/ \*NOREPINEPHRINE, blood
  3006. Ogawa M: Interaction between noradrenergic and serotonergic mechanisms on the central regulation of blood pressure in the rat: a study using experimental central hypertension produced by chemical lesions of the locus coeruleus. Jpn Circ J 42(5):581-97, May 78  
P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ BLOOD PRESSURE, drug effects/ BRAIN CHEMISTRY/ DESIPRAMINE, pharmacodynamics/ HEART RATE, drug effects/ HYDROXYDOPAMINE, administration & dosage/ HYDROXYDOPAMINE, pharmacodynamics/ HYDROXYINDOLEACETIC ACID, analysis/ \*HYPERTENSION, etiology/ HYPERTENSION, metabolism/ LOCUS COERULEUS, drug effects/ \*LOCUS COERULEUS, physiology/ MALE/ NEURONS, analysis/ NEURONS, physiology/ NOREPINEPHRINE, analysis/ \*NOREPINEPHRINE, physiology/ RATS/ SEROTONIN, analysis/ \*SEROTONIN, physiology/ SPINAL CORD, analysis/ 5,6-DIHYDROXYTRYPTAMINE, pharmacodynamics
  3007. Ogawa N: [Heterogeneity of beta-endorphin in the rat pituitary gland and its incubation medium] Horumon To Rinsho 26(6):611-3, Jun 78 (Jpn)  
ANIMAL/ \*ENDORPHINS, analysis/ MALE/ \*PITUITARY GLAND/ PITUITARY GLAND, analysis/ PITUITARY GLAND, secretion/ RATS
  3008. Ogihara T, Kumahara Y: [Ectopic ACTH-producing syndrome] Nippon Rinsho Suppl:1518-9, May 78 (Jpn)  
\*CORTICOTROPIN, biosynthesis/ \*HORMONES, ECTOPIC, biosynthesis/ HUMAN/ \*NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, metabolism
  3009. Ogihara T, Hata T, Mikami H, et al: [Endocrine hypertension] Nippon Rinsho Suppl:2024-5, May 78 (Jpn)  
\*ENDOCRINE DISEASES, complications/ HUMAN/ \*HYPERTENSION, etiology
  3010. Ogilvie RI, Pfafsky KM, Ruedy J: Antihypertensive to spironolactone in normal renin hypertension. Clin Pharmacol Ther 24(5):525-30, Nov 78  
ADULT/ \*ANTIHYPERTENSIVE AGENT DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ HUMAN/ HYPERTENSION, drug therapy/ HYPERTENSION, enzymology/ \*HYPERTENSION, physiopathology/ MALE/ MIDDLE AGE/ RENIN, blood/ SPIRONOLACTONE, adverse effects/ \*SPIRONOLACTONE, pharmacodynamics/ SPIRONOLACTONE, therapeutic use
  3011. Ogino T, Yoshikawa T, Masukawa H, et al: [Study of experimental steroid glaucoma. Report 5. Variations in activities of mucopolysaccharide-splitting enzymes in anterior chamber structures and cornea of young loaded with steroid (author's transl)] Nippon Ganka Gakkai Zasshi 82(8):529-32, 10 Aug 78 (Abstr.)  
ACETYLGLUCOSAMINIDASE, analysis/ ANIMAL/ \*ANTERIOR CHAMBER, enzymology/ BETA-GALACTOSIDASES, analysis/ \*CORNEA, enzymology/ ENGLISH ABSTRACT/ GLAUCOMA, chemically induced/ \*GLAUCOMA, enzymology/ GLUCURONIDASE, analysis/ \*GLYCOSIDASES, analysis/ INTRAOCULAR PRESSURE/ METHYLPREDNISOLONE/ MUCOPOLYSACCHARIDES, metabolism/ RATS
  3012. Ogunbode O: Benign hydatidiform mole in Ibadan, Nigeria. Int J Gynaecol Obstet 15(5):387-90, 1978  
ABORTION, THERAPEUTIC/ ADULT/ FACTORS/ FEMALE/ FOLLOW-UP STUDY/ HUMAN/ \*HYDATIDIFORM MOLE, occurrence/ HYDATIDIFORM MOLE, surgery/ NIGERIA/ PREGNANCY/ \*UTERINE NEOPLASMS, occurrence/ UTERINE NEOPLASMS, surgery
  3013. Ogura Y, Imamura H: [Etiology of renal osteodystrophy] Nippon Rinsho Suppl:2326-7, May 78  
HUMAN/ KIDNEY FAILURE, CHRONIC/ RENAL OSTEODYSTROPHY, complications/ \*RENAL OSTEODYSTROPHY, etiology
  3014. Ogura Y: [Vitamin D3 metabolism in renal failure (author's transl)] Nippon Naika Gakkai Zasshi 67(7):683-93, Jul 78 (46 ref.)  
ANIMAL/ CALCIUM, metabolism/ \*CHOLECALCIFEROLS, metabolism/ HEMODIALYSIS/ HUMAN/ INTESTINAL ABSORPTION/ \*KIDNEY FAILURE, CHRONIC/ KIDNEY FAILURE, metabolism/ RATS/ REVIEW/ VITAMIN D DEFICIENCY, drug therapy/ VITAMIN D DEFICIENCY, etiology/ VITAMIN D, therapy
  3015. Oh WH, Mital MA: Fat embolism: current concepts in pathogenesis, diagnosis, and treatment. Orthop Clin North Am 9(3):769-79, Jul 78 (43 ref.)  
ADRENAL CORTEX HORMONES, therapeutic use/ \*EMBOLISM, diagnosis/ EMBOLISM, FAT, diagnosis/ EMBOLISM, physiopathology/ EMBOLISM, FAT, therapy/ \*HYPERTENSION, etiology/ HYPERTENSION, metabolism/ HIP, surgery/ HUMAN/ JOINT PROSTHESIS/ LUNG, physiopathology/ \*PULMONARY EMBOLISM/ PULMONARY EMBOLISM, diagnosis/ PULMONARY EMBOLISM, physiopathology/ PULMONARY EMBOLISM, therapy/ RESPIRATORY THERAPY/ RESPIRATORY THERAPY, control/ SYNDROME
  3016. Ohba S: [Klinefelter's syndrome (author's transl)] Rinsho Hoshasen 23(10):1073-4, Oct 78  
CASE REPORT/ CHILD/ HUMAN/ KLINEFELTER'S SYNDROME, familial & sporadic/ \*KLINEFELTER'S SYNDROME, radiography/ MALE/ SEX CHROMOSOMES
  3017. Ohhashi T, Kawai Y, Azuma T: The response of smooth muscles to vasoactive substances. Pflügers Arch 375(2):183-8, 18 Jul 78  
ADENINE NUCLEOTIDES, pharmacodynamics/ ANIMAL/ CATECHOLAMINES/ CATTLE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ HISTAMINE H1 RECEPTOR BLOCKADE, analysis/ \*LYMPHATIC SYSTEM, drug effects/ MUSCLE CONTRACTION, drug effects/ MUSCLE RELAXATION/ MUSCLE, SMOOTH, analysis/ \*MUSCLE, SMOOTH, drug effects/ \*NEUROHUMORS, pharmacodynamics/ PROTAGLANDINS F, pharmacodynamics



# AUTHOR SECTION

\*RECEPTORS, ADRENERGIC, analysis/  
\*RECEPTORS, SEROTONIN, analysis/  
\*SEROTONIN, pharmacodynamics

Ohkawa T: [Treatment of primary hyperparathyroidism]  
Nippon Rinsho Suppl:1572-3, May 78 (Jpn)  
HUMAN/ \*HYPERPARATHYROIDISM, surgery/  
\*PARATHYROID GLANDS, surgery

Ohman L, Hahnenberger R, Johansson ED: Topical  
administration of progestational steroids in the eye and  
nose—a rapid absorption to the blood. Contraception  
18(2):171-80, Aug 78  
ADMINISTRATION, INTRANASAL/  
ADMINISTRATION, TOPICAL/ ANIMAL/ \*EYE,  
drug effects/ FEMALE/ INJECTIONS,  
INTRAVENOUS/ MONKEYS/  
NORETHINDRONE, pharmacodynamics/ \*NOSE,  
drug effects/ PROGESTATIONAL HORMONES,  
blood/ PROGESTATIONAL HORMONES,  
cerebrospinal fluid/ \*PROGESTATIONAL  
HORMONES, pharmacodynamics/  
PROGESTERONE, pharmacodynamics/ RHESUS  
MONKEYS

Ohman U, Granberg PO, Lindvall N, et al: Pheochromocytoma:  
critical review of experiences with diagnosis and treatment.  
Prog Clin Cancer 7:135-52, 1978 (108 ref.)  
\*ADRENAL GLAND NEOPLASMS, diagnosis/  
ADRENAL GLAND NEOPLASMS, therapy/  
ADRENAL GLAND NEOPLASMS, urine/  
ADRENERGIC ALPHA RECEPTOR  
BLOCKADERS, therapeutic use/  
CATECHOLAMINES, urine/ GLUCAGON,  
diagnostic use/ HUMAN/  
\*PHEOCHROMOCYTOMA, diagnosis/  
PHEOCHROMOCYTOMA, therapy/  
PHEOCHROMOCYTOMA, urine/ REVIEW/  
VANILMANDELIC ACID, urine

Othaus EE, Taras E: Die Plättchenaggregation während  
einzelner Zyklusphasen und unter Antioviulantien-therapie.  
Schweiz Med Wochenschr 108(41):1580-1, 14 Oct 78 (Eng.  
Abstr.) (Ger)  
COLLAGEN/ \*CONTRACEPTIVES, ORAL,  
pharmacodynamics/ \*CONTRACEPTIVES, ORAL,  
HORMONAL, pharmacodynamics/ ENGLISH  
ABSTRACT/ FEMALE/ HUMAN/  
\*MENSTRUATION/ \*PLATELET  
AGGREGATION, drug effects

Ohtsuki K: Possible role of initiation factor activity in the action  
of interferon. Tex Rep Biol Med 35:270-81, 1977 (36 ref.)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
pharmacodynamics/ CYCLOHEXIMIDE,  
pharmacodynamics/ DACTINOMYCIN,  
pharmacodynamics/ HEAT/ \*INTERFERON,  
pharmacodynamics/ MOLECULAR WEIGHT/  
PEPTIDE INITIATION FACTORS, biosynthesis/  
PEPTIDE INITIATION FACTORS, isolation &  
purification/ \*PEPTIDE INITIATION FACTORS,  
metabolism/ REVIEW/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ \*VIRAL PROTEINS,  
biosynthesis

Ojasoo T, Raynaud JP: Unique steroid congeners for receptor  
studies. Cancer Res 38(11 Pt 2):4186-98, Nov 78 (78 ref.)  
ANIMAL/ BINDING, COMPETITIVE/ BLOOD  
PROTEINS, metabolism/ CYTOSOL, metabolism/  
HYDROXYLATION/ IN VITRO/  
METHYLATION/ MICE/ MOLECULAR  
CONFORMATION/ \*NEOPLASMS,  
HORMONE-DEPENDENT, metabolism/ RABBITS/  
RATS/ \*RECEPTORS, STEROID, metabolism/  
REVIEW/ \*STEROIDS, metabolism/  
STRUCTURE-ACTIVITY RELATIONSHIP

Oka M, Yamamoto T, Hama H, et al: Die mechanische  
Festigkeit des Wachstumsknorpels unter dem Einfluss von  
Geschlechtshormonen. Z Orthop 116(4):578, Aug 78 (Ger)  
BIOMECHANICS/ CASTRATION/ COLLAGEN,  
analysis/ EPIPHYSES, analysis/ \*EPIPHYSES,  
physiology/ MUCOPOLYSACCHARIDES, analysis/  
\*SEX HORMONES, pharmacodynamics

Okabe S, Tabata K: [Gastrointestinal diseases caused by drugs,  
especially by anti-inflammatory agents] Nippon Rinsho  
Suppl:2100-1, May 78 (Jpn)  
ANIMAL/ \*ANTI-INFLAMMATORY AGENTS,  
adverse effects/ ASPIRIN, adverse effects/  
BETAMETHASONE, adverse effects/ DOGS/

\*GASTROINTESTINAL DISEASES, chemically  
induced/ INDOMETHACIN, adverse effects/ PEPTIC  
ULCER, chemically induced/ RATS

3026. Okada Y, Kumahara Y: [Pituitary dwarfism] Nippon Rinsho  
Suppl:1532-3, May 78 (Jpn)  
\*DWARFISM, PITUITARY/ FEMALE/ HUMAN/  
MALE

3027. Okada Y, Kumahara Y: Human growth hormone secretion in  
responses to cold and heat. pp. 302-4.  
In: Assenmacher I, Farner DS, ed. Environmental  
endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.  
\*ACCLIMATIZATION/ ADULT/ BODY  
TEMPERATURE/ COLD/ FEMALE/ HEAT/  
HUMAN/ MALE/ MONOGRAPH/  
\*SOMATOTROPIN, blood

3028. Okamoto S, Matsumoto K: [Testicular feminization]  
Nippon Rinsho Suppl:1510-1, May 78 (Jpn)  
HUMAN/ MALE/ \*TESTICULAR FEMINIZATION

3029. Okamoto T, Ueno T, Morii H: [Secondary  
hyperparathyroidism] Nippon Rinsho Suppl:1574-5, May 78  
(Jpn)  
ADULT/ HUMAN/ \*HYPERPARATHYROIDISM,  
SECONDARY

3030. Okey AB, Bondy GP: Diethylstilbestrol binding to estrogen  
receptor in mammary tissue and uteri of C3H/HeJ mice.  
J Natl Cancer Inst 61(3):719-24, Sep 78  
ANIMAL/ BINDING, COMPETITIVE/ CELL  
NUCLEUS, metabolism/ CYTOSOL, metabolism/  
\*DIETHYLSTILBESTROL, metabolism/  
ESTRADIOL, metabolism/ FEMALE/  
LACTATION/ \*MAMMAE, metabolism/ MICE/  
MICE, INBRED C3H/ PREGNANCY/  
\*RECEPTORS, ESTROGEN, metabolism/ \*UTERUS,  
metabolism

3031. Okret S, Wrangé O, Nordenskjöld B, et al: Estrogen receptor  
assay in human mammary carcinoma with the synthetic  
estrogen  
11beta-methoxy-17alpha-ethinyl-1,3,5(10)-estratriene-3,17b  
(R 2858). Cancer Res 38(11 Pt 1):3904-9, Nov 78  
BINDING SITES/ BIOPSY, NEEDLE/ \*BREAST  
NEOPLASMS, analysis/ BREAST NEOPLASMS,  
metabolism/ CENTRIFUGATION, DENSITY  
GRADIENT/ COMPARATIVE STUDY/  
CYTOSOL, metabolism/ ESTRADIOL, metabolism/  
\*ESTROGENS, SYNTHETIC, metabolism/  
\*ETHINYL ESTRADIOL, analogs & derivatives/  
ETHINYL ESTRADIOL, diagnostic use/ FEMALE/  
HUMAN/ ISOELECTRIC FOCUSING/  
\*RECEPTORS, ESTROGEN, analysis/ RECEPTORS,  
ESTROGEN, metabolism/ SEX HORMONE  
BINDING GLOBULIN, metabolism

3032. Okuyama A, Takemoto M, Itatani H, et al: [Idiopathic  
varicocele. Report 1. Testicular function (author's transl)]  
Nippon Hinyokika Gakkai Zasshi 69(6):787-93, Jun 78 (Eng.  
Abstr.) (Jpn)  
ADULT/ ENGLISH ABSTRACT/ FSH, blood/  
HUMAN/ LH, blood/ MALE/ \*TESTIS,  
physiopathology/ TESTOSTERONE, blood/  
\*VARICOCELE, physiopathology

3033. Okuyama A: [Studies of endocrinological function of testis.  
Report 3. Hypogonadism of adult (author's transl)]  
Nippon Hinyokika Gakkai Zasshi 69(6):693-9, Jun 78 (Eng.  
Abstr.) (Jpn)  
ADULT/ ENGLISH ABSTRACT/ FSH, blood/  
\*GONADOTROPINS, CHORIONIC, diagnostic use/  
HUMAN/ \*HYPOGONADISM, physiopathology/ LH,  
blood/ LH-FSH RELEASING HORMONE, diagnostic  
use/ MALE/ \*TESTIS, secretion/ TESTOSTERONE,  
blood

3034. Okuyama A: [Studies of endocrinological function of testis.  
Report 2. Delayed puberty (author's transl)]  
Nippon Hinyokika Gakkai Zasshi 69(6):686-92, Jun 78 (Eng.  
Abstr.) (Jpn)  
ADOLESCENCE/ CHILD/ ENGLISH ABSTRACT/  
FSH, blood/ \*GONADOTROPINS, CHORIONIC,  
diagnostic use/ HUMAN/ LH, blood/ LH-FSH  
RELEASING HORMONE, diagnostic use/ MALE/  
PRADER-WILLI SYNDROME, physiopathology/  
\*PUBERTY/ \*TESTIS, secretion/ TESTOSTERONE,  
blood

3035. Okuyama A: [Studies of endocrinological function of testis.



## AUTHOR SECTION

- Report 5. Follow-up of delayed puberty (author's transl)] Nippon Hinyokika Gakkai Zasshi 69(6):712-7, Jun 78 (Eng. Abstr.) (Jpn)
- ADOLESCENCE/ CHILD/ ENGLISH ABSTRACT/ FOLLOW-UP STUDIES/ \*GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ LH, blood/ LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ \*PUBERTY/ \*TESTIS, secretion
3036. Okuyama A: [Studies of endocrinological function of testis. Report 4. Cryptorchidism after surgical therapy (author's transl)] Nippon Hinyokika Gakkai Zasshi 69(6):700-11, Jun 78 (Eng. Abstr.) (Jpn)
- ADOLESCENCE/ ADULT/ CRYPTORCHISM, physiopathology/ \*CRYPTORCHISM, surgery/ ENGLISH ABSTRACT/ GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ LH, blood/ LH-FSH RELEASING HORMONE, diagnostic use/ MALE/ \*TESTIS, secretion/ TESTIS, surgery/ TESTOSTERONE, blood
3037. Okuyama A: [Studies of endocrinological function of testis. Report 1. The HCG stimulation test in normal males, idiopathic sterilities and Klinefelter's syndromes (author's transl)] Nippon Hinyokika Gakkai Zasshi 69(6):679-85, Jun 78 (Eng. Abstr.) (Jpn)
- ADULT/ ENGLISH ABSTRACT/ \*GONADOTROPINS, CHORIONIC, diagnostic use/ HUMAN/ \*KLINEFELTER'S SYNDROME, physiopathology/ MALE/ \*STERILITY, MALE, physiopathology/ \*TESTIS, secretion/ TESTOSTERONE, blood
3038. Okuyama T, Suzuki H, Shibuya H, et al: [Observation on <sup>99m</sup>Tc-diphosphonate scintigram in soft part tumors adjacent to bone (author's transl)] Kaku Igaku 15(4):569-76, Jun 78 (Eng. Abstr.) (Jpn)
- ADOLESCENCE/ ADULT/ AGED/ \*BONE AND BONES, radionuclide imaging/ CASE REPORT/ CHILD/ DIPHOSPHONATES, diagnostic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ \*SOFT TISSUE NEOPLASMS, radionuclide imaging/ TECHNETIUM, diagnostic use
3039. Olczak S, McCulloch AJ, Clark F: Thyrotoxic Graves's disease after primary hypothyroidism. Br Med J 2(6138):666, 2 Sep 78
- \*GOITER, EXOPHTHALMIC, complications/ HUMAN/ \*HYPOTHYROIDISM, complications/ MALE/ MIDDLE AGE
3040. Oldham JD, Broster WH, Siviter JW: The effects of a low-protein diet on milk yield and plasma metabolites in Friesian heifers during early lactation. Proc Nutr Soc 37(2):44A, Sep 78
- ANIMAL/ BLOOD PROTEINS, metabolism/ CATTLE/ DIETARY FIBER/ \*DIETARY PROTEINS, administration & dosage/ DIGESTION/ FEMALE/ \*LACTATION/ MILK, analysis/ PREGNANCY
3041. Olive D, Viniaker J, Neimann N: Hypogammaglobulinémie a expression variable, maladie d'Addison, maladie de Dubin-Johnson. Arch Fr Pediatr 35(6):646-50, Jun-Jul 78 (Eng. Abstr.) (Fre)
- \*ADDISON'S DISEASE, complications/ ADDISON'S DISEASE, immunology/ AGAMMAGLOBULINEMIA, congenital/ \*AGAMMAGLOBULINEMIA, complications/ AGAMMAGLOBULINEMIA, immunology/ B-LYMPHOCYTES, immunology/ CASE REPORT/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ JAUNDICE, etiology/ \*JAUNDICE, CHRONIC IDIOPATHIC, complications/ T-LYMPHOCYTES, immunology
3042. Oliver JM: Cell biology of leukocyte abnormalities--membrane and cytoskeletal function in normal and defective cells. A review. Am J Pathol 93(1):221-70, Oct 78 (160 ref.)
- ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ CELL MEMBRANE, physiology/ CELL MEMBRANE, ultrastructure/ \*CHEMOTAXIS, LEUKOCYTE/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HUMAN/ \*LYSOSOMES, metabolism/ MICROFILAMENTS, physiology/ MICROFILAMENTS, ultrastructure/ MICROTUBULES, physiology/ MICROTUBULES, ultrastructure/ \*NEUTROPHILS, physiology/ NEUTROPHILS, ultrastructure/
- OXIDOREDUCTASES, metabolism/ \*PHAGOCYTOSIS/ REVIEW/ TUBULIN, metabolism
3043. Olivereau M: Effect of parachlorophenylalanine, a serotonin depletor, on the prolactin cells of the rat. Cell Tissue Res 191(1):93-9, 13 Jul 78
- \*P-CHLOROPHENYLALANINE, pharmacodynamics/ \*ANGUILLA, physiology/ ANIMAL/ MALE/ PITUITARY GLAND, physiology/ \*PITUITARY GLAND, drug effects/ PITUITARY GLAND, physiology/ \*PROLACTIN, physiology/ \*SEROTONIN, physiology
3044. Olivereau M: Serotonin and MSH secretion: effect of parachlorophenylalanine on the pituitary cytology. Cell Tissue Res 191(1):83-92, 13 Jul 78
- \*P-CHLOROPHENYLALANINE, pharmacodynamics/ \*ANGUILLA, physiology/ ANIMAL/ HYDROXYTRYPTOPHAN, pharmacodynamics/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, secretion/ MALE/ MELANOPHORES, drug effects/ \*MSH, secretion/ PERIODIC ACID-SCHIFF REACTION/ PITUITARY GLAND, cytology/ \*PITUITARY GLAND, drug effects/ PITUITARY GLAND, physiology/ \*SEROTONIN, physiology
3045. Oliveros JC, Jandali MK: Estudio sobre la acción de la vasopresina en síndromes amnésicos y avasculares su posible acción en las depresiones. Arch Neurobiol (Madr) 41(1):63-74, Jan-Feb 78 (Eng. Abstr.)
- ADULT/ \*AMNESIA, drug therapy/ CASE REPORT/ \*DEPRESSION, drug therapy/ ELECTROENCEPHALOGRAPHY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ LYMPHOCYTES, immunology/ MALE/ PLACEDOS, pharmacodynamics/ VASOPRESSINS, pharmacodynamics/ \*VASOPRESSINS, therapeutic use
3046. Olsen KJ: Scintigraphic estimation of thyroid volume distribution at treatment with <sup>131</sup>I. Acta Radiol Oncol Radiat Phys Biol 17(1):74-80, 1978
- ADMINISTRATION, ORAL/ COBALT RADIOISOTOPES/ COMPUTERS/ GOITER, radiotherapy/ \*GOITER, radiotherapy/ GOITER, NODULAR, radionuclide imaging/ HUMAN/ \*HYPERTHYROIDISM, radiotherapy/ IODINE RADIOISOTOPES, administration/ \*IODINE RADIOISOTOPES, therapeutic use/ METHODS/ MODELS, BIOLOGICAL/ TECHNOLOGY, RADIOLOGIC, instrumentation/ \*THYROID GLAND, radionuclide imaging
3047. Olsen S: Hypoglykæmi forårsaget af isoleret ACTH-insufficiens. Ugeskr Laeger 140(30):1816-18, 1978 (Eng. Abstr.)
- ADULT/ CASE REPORT/ CORTICOTROPIN, blood/ \*CORTICOTROPIN, deficiency/ DIFFERENTIAL/ ENGLISH ABSTRACT/ HUMAN/ \*HYPOGLYCEMIA, etiology/ \*HYPOPITUITARISM, complications/ \*HYPOPITUITARISM, diagnosis/ INSULIN, use/ LYPRESSIN, diagnostic use/ MALE
3048. Olsen UB, Ahnfelt-Rønne I: Enhancement of urinary prostaglandin excretion by chlorazanyl in dogs. Acta Pharmacol Toxicol (Copenh) 43(3):233-9, 1978
- ANIMAL/ BLOOD PRESSURE, drug effects/ DIURESIS, drug effects/ DOGS/ FEMALE/ RATE, drug effects/ HYDROXYPROSTAGLANDIN SYNTHETASES, metabolism/ INDOMETHACIN, pharmacodynamics/ INJECTIONS, INTRAVENOUS/ KIDNEY, supply/ KIDNEY, metabolism/ NATRIURETIC HORMONE, effects/ POTASSIUM, urine/ \*PROSTAGLANDINS, urine/ \*PROSTAGLANDINS F, urine/ blood/ TRIAZINES, administration & dosage/ \*TRIAZINES, pharmacodynamics
3049. Olson RD, Kastin AJ, Michell GF, et al: Effects of and enkephalin analogs on fear habituation in guinea pigs. Pharmacol Biochem Behav 9(1):111-4, Jul 78
- ANIMAL/ BLOOD-BRAIN BARRIER, drug effects/ ENKEPHALINS, blood/ \*ENDORPHINS, pharmacodynamics/ ENKEPHALINS, blood/ \*ENKEPHALINS, pharmacodynamics/ \*EFFECTS/ GOLDFISH/ \*HABITUATION (PSYCHOPHYSIOLOGY), drug effects/ RATS



# AUTHOR SECTION

- TIME, drug effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.
0. Olund A, Larsson B: Comparison of extra-amniotic instillation of rivanol and PGF2alpha either separately or in combination followed by oxytocin for second trimester abortion. *Acta Obstet Gynecol Scand* 57(4):333-6, 1978  
\*ABORTION, INDUCED/ \*ACRIDINES, therapeutic use/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DRUG EVALUATION/ DRUG THERAPY, COMBINATION/ ETHACRIDINE, administration & dosage/ ETHACRIDINE, adverse effects/ \*ETHACRIDINE, therapeutic use/ FEMALE/ GASTROINTESTINAL DISEASES, chemically induced/ HUMAN/ OXYTOCIN, administration & dosage/ \*OXYTOCIN, therapeutic use/ PREGNANCY TRIMESTER, SECOND/ PREGNANCY/ PROSTAGLANDINS F, administration & dosage/ PROSTAGLANDINS F, adverse effects/ \*PROSTAGLANDINS F, therapeutic use
1. O'Mara RE: New 32P compounds in therapy for bone lesions. pp. 257-60.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
BONE NEOPLASMS, drug therapy/ \*BONE NEOPLASMS, radiotherapy/ DIPHOSPHONATES/ HUMAN/ MONOGRAPH/ NEOPLASM METASTASIS/ PARATHYROID HORMONE, therapeutic use/ \*PHOSPHORUS RADIOISOTOPES, therapeutic use/ SODIUM ETIDRONATE/ TESTOSTERONE, therapeutic use
2. Omiecinski CJ, Bond JA, Juchau MR: Stimulation by hematin of monooxygenase activity in extra-hepatic tissues from rats, rabbits and chickens. *Biochem Biophys Res Commun* 83(3):1004-11, 14 Aug 78  
ANIMAL/ \*AORTA, enzymology/ \*ARYL HYDROCARBON HYDROXYLASES, metabolism/ CHICKENS/ ENZYME ACTIVATION, drug effects/ \*HEME, analogs & derivatives/ \*HEMIN, pharmacodynamics/ \*HYDROXYLASES, metabolism/ \*KIDNEY, enzymology/ KINETICS/ \*LIVER, enzymology/ \*LUNG, enzymology/ MALE/ METHYLCHOLANTHRENE, pharmacodynamics/ ORGAN SPECIFICITY/ RATS/ \*TESTIS, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3. Omini C, Pasargiklian R, Folco GC, et al: Pharmacological activity of PGI2 and its metabolite 6-oxo-PGF1alpha on human uterus and fallopian tubes. *Prostaglandins* 15(6):1045-54, Jun 78  
COMPARATIVE STUDY/ \*FALLOPIAN TUBES, drug effects/ FEMALE/ HUMAN/ MUSCLE CONTRACTION, drug effects/ \*MYOMETRIUM, drug effects/ PROSTAGLANDINS D, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, pharmacodynamics/ \*PROSTAGLANDINS F, SYNTHETIC, pharmacodynamics/ \*PROSTAGLANDINS X, pharmacodynamics/ \*PROSTAGLANDINS, pharmacodynamics/ UTERINE CONTRACTION, drug effects/ \*UTERUS, drug effects
54. Oniki S: [Problems of steroid therapy in neuro-ophthalmology] *Nippon Rinsho Suppl*:1842-3, May 78 (Jpn)  
ADULT/ \*BEHCET'S SYNDROME, drug therapy/ HUMAN/ \*MYASTHENIA GRAVIS, drug therapy/ \*OPTIC NEURITIS, drug therapy/ STEROIDS, therapeutic use
55. Onions DE, Owen LN, Bostock DE: Leukocyte migration inhibition responses in canine lymphosarcoma. *Int J Cancer* 22(4):503-7, 15 Oct 78  
ANIMAL/ ANTIGENS, NEOPLASM/ BCG VACCINE, therapeutic use/ \*CELL MIGRATION INHIBITION/ CYCLOPHOSPHAMIDE, therapeutic use/ DOGS/ IMMUNIZATION/ \*LEUKOCYTES, immunology/ LYMPH NODES, immunology/ LYMPHOSARCOMA, drug therapy/ \*LYMPHOSARCOMA, immunology/ LYMPHOSARCOMA, therapy/ NEOPLASM TRANSPLANTATION/ PREDNISONE, therapeutic use/ REMISSION/ SARCOMA, EXPERIMENTAL, drug therapy/ SARCOMA, EXPERIMENTAL, immunology/ SARCOMA, EXPERIMENTAL, therapy/ TRANSPLANTATION, ALLOGENEIC/ TRANSPLANTATION, AUTOLOGOUS/
- VINCRISTINE, therapeutic use
3056. Ontjes DA, Ways DK, Mahaffee DD, et al: ACTH receptors and the effect of ACTH on adrenal organelles. *Ann NY Acad Sci* 297:295-313, 28 Oct 77  
ADENYL CYCLASE, metabolism/ \*ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, ultrastructure/ ANIMAL/ BINDING SITES/ CELL MEMBRANE, metabolism/ \*CORTICOTROPIN, metabolism/ HUMAN/ IN VITRO/ LIPOPROTEINS, metabolism/ PEPTIDE FRAGMENTS, metabolism/ PROTEIN BINDING/ \*RECEPTORS, HORMONE/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3057. Onuigbo WI: Clinical awareness of vulvo-vagina metastases in choriocarcinoma: case reports. *Niger Med J* 8(3):270-1, May 78  
ADULT/ BIOPSY/ CASE REPORT/ \*CHORIOCARCINOMA, diagnosis/ FEMALE/ \*HEMANGIOMA, diagnosis/ HUMAN/ NEOPLASM METASTASIS/ \*POLYPS, diagnosis/ \*VAGINAL NEOPLASMS, diagnosis/ \*VULVAR NEOPLASMS, diagnosis
3058. Oohira A, Nogami H: Limb anomalies produced by 2,2'-dipyridyl in rats. *Teratology* 18(1):63-70, Aug 78  
ANIMAL/ BONE AND BONES, abnormalities/ \*EXTREMITIES, abnormalities/ FEMALE/ GERM LAYERS, metabolism/ GERM LAYERS, ultrastructure/ GESTATIONAL AGE/ GLUCOSAMINE, metabolism/ PREGNANCY/ PROLINE, metabolism/ \*PYRIDINES, toxicity/ RATS/ \*TERATOGENS/ \*2,2'-DIPYRIDYL, toxicity
3059. Ophir M, Rabau M, Jacob ET: [Parathyroid adenoma associated with nonmedullary carcinoma of the thyroid] *Harefuah* 95(2):74-5, 16 Jul 78 (Eng. Abstr.) (Heb)  
\*ADENOMA, complications/ \*CARCINOMA, complications/ ENGLISH ABSTRACT/ HUMAN/ \*NEOPLASMS, MULTIPLE PRIMARY/ \*PARATHYROID NEOPLASMS, complications/ \*THYROID NEOPLASMS, complications
3060. O'Regan S, Fong JS: Platelet hypoaggregability in hypothyroid rats. *Proc Soc Exp Biol Med* 158(4):575-7, Sep 78  
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ANIMAL/ BLOOD PLATELET DISORDERS, complications/ BLOOD PLATELETS, metabolism/ COLLAGEN, pharmacodynamics/ DISEASE MODELS, ANIMAL/ \*HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, complications/ LIPIDS, blood/ LIPOPOLYSACCHARIDES, pharmacodynamics/ MALE/ \*PLATELET AGGREGATION/ PLATELET AGGREGATION, drug effects/ RATS
3061. Orlov SN, Pokudin NI, Postnov IuV: Izuchenie mekhanizma izmeneniia chuvstvitel'nosti adipositolov k AKTG i adrenalinu pri spontannoi geneticheskoi gipertonii u krys. *Kardiologiya* 18(9):125-31, Sep 78 (Eng. Abstr.) (Rus)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE, metabolism/ \*ADIPOSE TISSUE, pathology/ ANIMAL/ CAFFEINE, pharmacodynamics/ \*CORTICOTROPIN, pharmacodynamics/ ENGLISH ABSTRACT/ \*EPINEPHRINE, pharmacodynamics/ HYPERTENSION, metabolism/ \*HYPERTENSION, physiopathology/ IN VITRO/ INSULIN, pharmacodynamics/ MALE/ RATS/ RATS, INBRED STRAINS
3062. Orłowski T, Badowski A, Stanowski E, et al: Praktyczne zastosowanie hemodylucji w chirurgii. *Wiad Lek* 31(14):957-63, 15 Jul 78 (Eng. Abstr.) (Pol)  
ADULT/ ENGLISH ABSTRACT/ FEMALE/ GOITER, surgery/ \*HEMODILUTION, methods/ HUMAN/ MALE/ MIDDLE AGE/ PEPTIC ULCER, surgery/ \*SURGERY, OPERATIVE
3063. Oron Y, Kellogg J, Lerner J: Stable cholinergic-muscarinic inhibition of rat parotid adenylate cyclase. *FEBS Lett* 94(2):331-4, 15 Oct 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ \*ADENYL CYCLASE, antagonists & inhibitors/ ANIMAL/ ATROPINE, pharmacodynamics/ \*CARBACHOL, pharmacodynamics/ FLUORIDES, pharmacodynamics/ ISOPROTERENOL, pharmacodynamics/ KINETICS/ MALE/ \*PAROTID GLAND, enzymology/ PHOSPHODIESTERASE INHIBITORS, pharmacodynamics/ RATS/ \*RECEPTORS,



# AUTHOR SECTION

- CHOLINERGIC, drug effects/ \*RECEPTORS,  
MUSCARINIC, drug effects
3064. Ortavant R, Pelletier J, Ravault JP, et al: Annual cyclic variations in prolactin in sheep. pp. 75-8.  
In: Assenmacher I, Farner DS, ed. Environmental endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.  
ANIMAL/ FEMALE/ MALE/ MONOGRAPH/  
\*PERIODICITY/ \*PROLACTIN, blood/ SEASONS/  
SEX FACTORS/ \*SHEEP, blood
3065. Ortega I, Nogales FF Jr, Amerigo J, et al: Carcinosarcomas and mixed mesodermal tumors of the ovary: a clinicopathologic study of six cases.  
Int J Gynaecol Obstet 15(6):561-5, 1978  
ACTINOMYCIN, therapeutic use/ AGED/  
CARCINOSARCOMA, drug therapy/  
\*CARCINOSARCOMA, pathology/  
CARCINOSARCOMA, surgery/  
CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/  
HUMAN/ HYSTERECTOMY/ \*MESODERM/  
MIDDLE AGE/ NEOPLASM METASTASIS/  
NEOPLASMS, EMBRYONAL AND MIXED, drug  
therapy/ \*NEOPLASMS, EMBRYONAL AND  
MIXED, pathology/ NEOPLASMS, EMBRYONAL  
AND MIXED, surgery/ OVARIAN NEOPLASMS,  
drug therapy/ \*OVARIAN NEOPLASMS, pathology/  
OVARIAN NEOPLASMS, surgery/ PROGNOSIS
3066. Osa T, Fujino T: Electrophysiological comparison between the longitudinal and circular muscles of the rat uterus during the estrous cycle and pregnancy. Jpn J Physiol 28(2):197-209, 1978  
ACTION POTENTIALS/ ANIMAL/  
CASTRATION/ DIESTRUS/ \*ESTRUS/ FEMALE/  
IN VITRO/ METESTRUS/ METHODS/  
PREGNANCY/ \*PREGNANCY, ANIMAL/ RATS/  
\*UTERINE CONTRACTION
3067. Osada Y: [Surgical treatment of renovascular hypertension associated with bilateral renal artery stenosis. 2. Experimental study (author's transl)] Nippon Hinyokika Gakkai Zasshi 69(6):762-74, Jun 78 (Eng. Abstr.) (Jpn)  
ANIMAL/ BLOOD PRESSURE/ ENGLISH  
ABSTRACT/ \*HYPERTENSION, RENAL, surgery/  
HYPERTENSION, RENOVASCULAR,  
complications/ HYPERTENSION,  
RENOVASCULAR, physiopathology/  
\*HYPERTENSION, RENOVASCULAR, surgery/  
MALE/ NEPHRECTOMY/ RABBITS/ \*RENAL  
ARTERY OBSTRUCTION, surgery/ RENAL  
ARTERY STENOSIS, complications/ RENAL  
ARTERY STENOSIS, physiopathology/ \*RENAL  
ARTERY STENOSIS, surgery/ RENIN, blood
3068. Osadchaia TI: Issledovanie granulotsitarnogo rezerva kostnogo mozga pri pomoshchi gidrokortizonovoi proby. Lab Delo (8):471-4, 1978 (Eng. Abstr.) (Rus)  
ADULT/ \*BONE MARROW, pathology/ CASE  
REPORT/ ENGLISH ABSTRACT/ FEMALE/  
HODGKIN'S DISEASE, blood/ HUMAN/  
\*HYDROCORTISONE, diagnostic use/ LEUKOCYTE  
COUNT/ NEUTROPENIA, diagnosis/  
\*NEUTROPHILS, pathology
3069. Osborn D: The alpha adrenergic receptor mediated increase in guinea-pig liver glycogenolysis. Biochem Pharmacol 27(9):1315-20, 1 May 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ADENYL CYCLASE, metabolism/  
ADRENERGIC ALPHA RECEPTOR AGONISTS,  
pharmacodynamics/ ANIMAL/ CELL MEMBRANE,  
enzymology/ GLUCOSE, metabolism/ GLYCOGEN  
PHOSPHORYLASE, metabolism/ GUINEA PIGS/ IN  
VITRO/ ISOPROTERENOL, pharmacodynamics/  
\*LIVER GLYCOGEN, metabolism/ LIVER, drug  
effects/ LIVER, metabolism/ MALE/ PROTEINS,  
metabolism/ \*RECEPTORS, ADRENERGIC,  
physiology/ \*RECEPTORS, ADRENERGIC,  
ALPHA, physiology/ SULFONAMIDES,  
pharmacodynamics
3070. Osbourne GK, Whigham KA, Howie PW, et al: The effects of quinestrin and bromocriptine on blood coagulation, serum prolactin and serum FSH levels in puerperal women.  
Br J Obstet Gynaecol 85(9):687-91, Sep 78  
\*BLOOD COAGULATION, drug effects/ FEMALE/  
FIBRINOLYSIS, drug effects/ \*FSH, blood/  
HUMAN/ \*NORPREGNATRIENES,  
pharmacodynamics/ PREGNANCY/ \*PROLACTIN,  
blood/ PUERPERIUM/ \*QUINESTRIN,  
pharmacodynamics/ \*2-BROMOERGOCRYPTIN,  
pharmacodynamics
3071. Osemlak J, Leszczyńska Z, Boruch Z: Pachwinowo-mięsiste przemieszczenie jelit połączone z zaburzeniem rozprężalności. Pol Przegl Chir 50(5):437-9, May 78 (Eng. Abstr.)  
CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/  
INFANT/ \*INGUINAL HERNIA, etiology/  
LYMPHANGIOMA/ MALE/ \*PERITONEAL  
abnormalities/ \*SCROTUM/ TESTICULAR  
NEOPLASMS
3072. Osher RH, Corbett JJ, Schatz NJ, et al: Neuro-ophthalmological complications of enlargement of the third ventricle. Br J Ophthalmol 62(8):536-42, Aug 1979  
ADOLESCENCE/ ADULT/ BRAIN DISEASE,  
complications/ CASE REPORT/ CEREBRAL  
AQUEDUCT/ \*CEREBRAL VENTRICLES,  
CHILD/ EXOPHTHALMOS, etiology/ \*EYE  
DISEASES, etiology/ FEMALE/ HUMAN/  
OPHTHALMOPLÉGIA, etiology/ OPTIC NERVE  
DISEASES, etiology/ SYNDROME/ VISION  
DISORDERS, etiology
3073. Oshima K, Inazawa M, Awashima S, et al: [T-cells and their role in the peripheral blood in Basedow's disease and Hashimoto's disease] Horumon To Rinsho 26(1):25-9, Jan 78  
\*B-LYMPHOCYTES, immunology/ FEMALE/  
\*GOITER, EXOPHTHALMIC, immunology/  
HUMAN/ MALE/ ROSETTE FORMATION  
\*T-LYMPHOCYTES, immunology/ \*THYROID  
LYMPHOMATOUS, immunology
3074. Osipov VV, Vakhrusheva MP: Osteopetroz u myshi, obuslovlennyi porazheniem ektomezhenkimy.  
Arkh Anat Gistol Embriol 75(8):36-42, Aug 78 (Eng. Abstr.)  
ANIMAL/ CELL COUNT/ ENGLISH ABSTRACT/  
FEMUR, embryology/ \*FEMUR, pathology/  
HEPARIN, administration & dosage/ HEPARIN  
biosynthesis/ HEPARIN, deficiency/ MAST CELL  
metabolism/ \*MESODERM, pathology/ MICE/  
MUTANT STRAINS/ OSTEOCLASTS, drug  
effects/ OSTEOCLASTS, metabolism/ \*OSTEOPETROSIS,  
etiology/ PARATHYROID HORMONE, deficiency
3075. Osman DI, Plöen L: The mammalian tubuli recti: ultrastructural study. Anat Rec 192(1):1-17, Sep 78  
ANIMAL/ CATTLE, anatomy & histology/  
EPITHELIUM, ultrastructure/ GOATS, anatomy  
& histology/ LYMPHOCYTES, ultrastructure/  
\*MAMMALS, anatomy & histology/ RABBITS,  
anatomy & histology/ RATS, anatomy & histology/  
SHEEP, anatomy & histology/ SWINE, anatomy  
& histology/ \*TESTIS, ultrastructure
3076. Osterman J, Hammond JM: Prostaglandin stimulation of ovarian ornithine decarboxylase in vitro.  
Biochem Biophys Res Commun 83(3):794-9, 14 Aug 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
analogues & derivatives/ ADENOSINE  
CYCLIC-3',5'-MONOPHOSPHATE,  
pharmacodynamics/ ANIMAL/  
\*CARBOXY-LYASES, metabolism/ ENZYME  
ACTIVATION/ FEMALE/ \*GRANULOSA  
CELLS, enzymology/ KINETICS/ LH, pharmacodynamics/  
\*ORNITHINE DECARBOXYLASE, metabolism/  
\*PROSTAGLANDINS E, pharmacodynamics/  
\*PROSTAGLANDINS F, pharmacodynamics/  
SWINE/ UNITED STATES GOV'T SUPPORTED,  
P.H.S.
3077. Ostler HB: Glucocorticoid therapy in ocular herpes simplex. Limitations. Surv Ophthalmol 23(1):35-43, Jul-Aug 78  
\*GLUCOCORTICOIDS, adverse effects/  
GLUCOCORTICOIDS, therapeutic use/  
HERPESVIRUS HUMAN, isolation & purification/  
HERPESVIRUS INFECTIONS, chemically induced/  
HUMAN/ IMMUNITY, drug effects/  
IMMUNOSUPPRESSIVE AGENTS, adverse effects/  
IRITIS, chemically induced/ \*KERATITIS,  
DENDRITIC, chemically induced/ KERATITIS,  
DENDRITIC, drug therapy/ KERATITIS,  
DENDRITIC, microbiology/ METHODS/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
3078. Ostör AG, Fortune DW, Evans JH, et al: Endometrial carcinoma in gonadal dysgenesis with and without therapy. Gynecol Oncol 6(4):316-27, Aug 78  
ADENOCARCINOMA, etiology/



## AUTHOR SECTION

ADENOCARCINOMA, pathology/ ADULT/ CARCINOMA, EPIDERMAL, etiology/ CARCINOMA, EPIDERMAL, pathology/ CASE REPORT/ \*ESTROGENS, secretion/ \*ESTROGENS, SYNTHETIC, adverse effects/ ESTROGENS, SYNTHETIC, therapeutic use/ FEMALE/ HUMAN/ \*TURNER'S SYNDROME, drug therapy/ \*UTERINE NEOPLASMS, etiology/ UTERINE NEOPLASMS, pathology

Ostrovskii NS, Morozov IA, Mazhuga EP: O kastratsii bykov v otkormochnykh kompleksakh. Veterinariia (9):80-3, Sep 78 (Rus)

AGE FACTORS/ ANIMAL/ \*CASTRATION/ CASTRATION, adverse effects/ CASTRATION, methods/ CATTLE/ \*FEEDING BEHAVIOR, physiology/ MALE

Otto HF: Untersuchungen zur Ultrastruktur lympho-epithelialer Thymustumoren unter besonderer Berücksichtigung der sog. 'Emperipolesis'. Virchows Arch [Pathol Anat] 379(4):335-49, 3 Oct 78 (Eng. Abstr.) (Ger)

ADOLESCENCE/ ADULT/ CHILD/ ENGLISH ABSTRACT/ EPITHELIUM, ultrastructure/ FEMALE/ HUMAN/ INTERCELLULAR JUNCTIONS, ultrastructure/ LYMPHOCYTES, ultrastructure/ MACROPHAGES, ultrastructure/ MALE/ MICROSCOPY, ELECTRON/ MIDDLE AGE/ MYASTHENIA GRAVIS, pathology/ RETICULOENDOTHELIAL SYSTEM, ultrastructure/ \*THYMOMA, ultrastructure/ \*THYMUS NEOPLASMS, ultrastructure

Overstreet JW, Cooper GW: Sperm transport in the reproductive tract of the female rabbit: I. The rapid transit phase of transport. Biol Reprod 19(1):101-14, Aug 78

ANIMAL/ CELL SURVIVAL/ CERVIX UTERI, cytology/ FALLOPIAN TUBES, cytology/ FEMALE/ \*GENITALIA, FEMALE, physiology/ OVARY, cytology/ RABBITS/ \*SPERM TRANSPORT/ \*SPERMATOZOA, physiology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, cytology

Oxenkrug GF: Dexamethasone test in alcoholics [letter] Lancet 2(8093):795, 7 Oct 78

ADRENAL CORTEX, physiopathology/ \*ALCOHOLISM, physiopathology/ \*DEXAMETHASONE, diagnostic use/ HUMAN/ HYPOTHALAMUS, physiopathology/ PITUITARY GLAND, ANTERIOR, physiopathology/ PITUITARY-ADRENAL FUNCTION TESTS/ 11-HYDROXYCORTICOSTEROIDS, blood

Oyama T, Toyooka K, Sato Y, et al: Effect of endotoxin shock on renal and hormonal functions. Can Anaesth Soc J 25(5):380-91, Sep 78

ALDOSTERONE, blood/ ANIMAL/ BLOOD PRESSURE/ CARDIAC OUTPUT/ DEXAMETHASONE, pharmacodynamics/ DOGS/ EPINEPHRINE, blood/ \*HORMONES, blood/ HYDROCORTISONE, blood/ HYDROGEN-ION CONCENTRATION/ INSULIN, blood/ \*KIDNEY, blood supply/ METHYLPREDNISOLONE, pharmacodynamics/ NOREPINEPHRINE, blood/ OSMOLAR CONCENTRATION/ POTASSIUM, urine/ REGIONAL BLOOD FLOW/ SHOCK, SEPTIC, blood/ \*SHOCK, SEPTIC, physiopathology/ SHOCK, SEPTIC, urine/ SODIUM, urine/ VASOPRESSINS, blood

### P

Paavola LG: The corpus luteum of the guinea pig. III. Cytochemical studies on the Golgi complex and GERL during normal postpartum regression of luteal cells, emphasizing the origin of lysosomes and autophagic vacuoles. J Cell Biol 79(1):59-73, Oct 78

ACID PHOSPHATASE, analysis/ ANIMAL/ ARYLSULFATASES, analysis/ \*CORPUS LUTEUM, ultrastructure/ \*ENDOPLASMIC RETICULUM, ultrastructure/ ENDOPLASMIC RETICULUM, ultrastructure/ FEMALE/ \*GOLGI APPARATUS, ultrastructure/ GOLGI APPARATUS, ultrastructure/ GUINEA PIGS/ \*HYDROLASES, analysis/ \*LUTEIN CELLS, ultrastructure/ \*LYSOSOMES, ultrastructure/ \*LYSOSOMES, ultrastructure/ \*ORGANOIDS, ultrastructure/ PREGNANCY/

\*VACUOLES, enzymology/ VACUOLES, ultrastructure

3085. Paavola LG: The corpus luteum of the guinea pig. II. Cytochemical studies on the Golgi complex, GERL, and lysosomes in luteal cells during maximal progesterone secretion. J Cell Biol 79(1):45-58, Oct 78

ACID PHOSPHATASE, analysis/ ANIMAL/ CORPUS LUTEUM, secretion/ \*CORPUS LUTEUM, ultrastructure/ \*CYTOPLASMIC GRANULES, ultrastructure/ \*ENDOPLASMIC RETICULUM, ultrastructure/ FEMALE/ \*GOLGI APPARATUS, ultrastructure/ GUINEA PIGS/ LUTEIN CELLS, ultrastructure/ \*LUTEIN CELLS, ultrastructure/ \*LYSOSOMES, ultrastructure/ PREGNANCY/ \*PROGESTERONE, secretion/ THIAMINE PYROPHOSPHATASE, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3086. Pace-Asciak CR, Carrara MC, Nicolaou KC: Prostaglandin I<sub>2</sub> has more potent hypotensive properties than prostaglandin E<sub>2</sub> in the normal and spontaneously hypertensive rat. Prostaglandins 15(6):999-1003, Jun 78

ANIMAL/ \*ANTI-HYPERTENSIVE AGENTS/ AORTA, metabolism/ \*BLOOD PRESSURE, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ DRUG SCREENING/ \*HYPERTENSION, drug therapy/ MALE/ PROSTAGLANDINS E, administration & dosage/ \*PROSTAGLANDINS E, therapeutic use/ PROSTAGLANDINS X, administration & dosage/ PROSTAGLANDINS X, biosynthesis/ \*PROSTAGLANDINS X, therapeutic use/ \*PROSTAGLANDINS, therapeutic use/ RATS

3087. Pace-Asciak CR, Carrara MC, Rangaraj G, et al: Enhanced formation of PGI<sub>2</sub>, a potent hypotensive substance, by aortic rings and homogenates of the spontaneously hypertensive rat. Prostaglandins 15(6):1005-12, Jun 78

ANIMAL/ AORTA, metabolism/ ARACHIDONIC ACIDS, metabolism/ \*ARTERIES, metabolism/ BLOOD PRESSURE, drug effects/ CHROMATOGRAPHY, GAS/ \*HYPERTENSION, metabolism/ INDOMETHACIN, pharmacodynamics/ MALE/ PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS F, biosynthesis/ PROSTAGLANDINS X, analysis/ \*PROSTAGLANDINS X, biosynthesis/ PROSTAGLANDINS X, metabolism/ \*PROSTAGLANDINS, biosynthesis/ RATS/ SPECTRUM ANALYSIS, MASS/ TIME FACTORS

3088. Page CM, Hulme B, Papapoulos SE, et al: Avascular necrosis of bone after renal transplantation: role of parathyroid hormone and vitamin D. Br Med J 2(6138):664-5, 2 Sep 78

ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ \*HYDROXYCHOLECALCIFEROLS, blood/ \*KIDNEY, transplantation/ MALE/ MIDDLE AGE/ OSTEONECROSIS, blood/ \*OSTEONECROSIS, etiology/ \*PARATHYROID HORMONE, blood/ TRANSPLANTATION, ALLOGENEIC

3089. Page RB, Leure-duPree AE, Bergland RM: The neurohypophyseal capillary bed. II. Specializations within median eminence. Am J Anat 153(1):33-65, Sep 78

ANIMAL/ ARTERIES, anatomy & histology/ \*CAPILLARIES, anatomy & histology/ CATS, anatomy & histology/ DOGS, anatomy & histology/ \*HYPOTHALAMUS-HYPOPHYSAL SYSTEM, blood supply/ HYPOTHALAMUS, blood supply/ HYPOTHALAMUS, ultrastructure/ \*MEDIAN EMINENCE, blood supply/ MEDIAN EMINENCE, ultrastructure/ PITUITARY GLAND, blood supply/ PITUITARY GLAND, ultrastructure/ RABBITS, anatomy & histology/ RATS, anatomy & histology/ RHESUS MONKEYS, anatomy & histology/ SHEEP, anatomy & histology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3090. Pakula A, Kruszewski S: Ocena skuteczności leczenia przeciwzapalnego w reumatoidalnym zapaleniu stawów na podstawie badania termograficznego. Reumatologia 16(2):245-9, 1978 (Eng. Abstr.) (Pol)

ADOLESCENCE/ ADULT/ AGED/ AMPICILLIN, therapeutic use/ \*ANTI-INFLAMMATORY AGENTS, therapeutic use/ \*ARTHRITIS, RHEUMATOID, drug therapy/ BODY TEMPERATURE/ CHLOROQUINE, therapeutic use/ COMPARATIVE STUDY/ DRUG EVALUATION/ ENGLISH ABSTRACT/ FEMALE/ GOLD, therapeutic use/ HUMAN/ HYDRAZINES, therapeutic

# AUTHOR SECTION

- use/ MALE/ MIDDLE AGE/ PODOPHYLLIN, analogs & derivatives/ PODOPHYLLIN, therapeutic use/ PREDNISON, therapeutic use/ THERMOGRAPHY/ THIOSULFATES, therapeutic use
3091. Palatyński A: Gruczolistość jajnika w świetle badań klinicznych i doświadczalnych. *Pol Tyg Lek* 33(30):1185-7, 24 Jul 78 (Pol)  
ANIMAL/ \*ENDOMETRIOSIS, diagnosis/ ENDOMETRIOSIS, drug therapy/ FEMALE/ GUINEA PIGS/ HUMAN/ \*OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, drug therapy
3092. Palkovits M: Neural pathways involved in ACTH regulation. *Ann NY Acad Sci* 297:455-76, 28 Oct 77  
AMYGDALOID BODY/ BRAIN CHEMISTRY/ \*CORTICOTROPIN, secretion/ DOPAMINE, analysis/ EPINEPHRINE, analysis/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, innervation/ HYPOTHALAMUS, metabolism/ HYPOTHALAMUS, ultrastructure/ NEURAL PATHWAYS/ \*NEUROSECRETORY SYSTEMS/ NOREPINEPHRINE, analysis/ PITUITARY GLAND, innervation/ PITUITARY-ADRENAL SYSTEM, innervation/ SEROTONIN, analysis
3093. Pallotti S, Paolucci D, Isidori A: Hepatic activity in the generation of somatomedins: effects of administration of a liver extract. *Int J Clin Pharmacol Biopharm* 16(8):351-6, Aug 78  
HUMAN/ LIVER DISEASES, drug therapy/ LIVER DISEASES, metabolism/ LIVER FUNCTION TESTS/ \*LIVER, metabolism/ LIVER, physiology/ \*SOMATOMEDIN, biosynthesis/ \*TISSUE EXTRACTS, pharmacodynamics/ TISSUE EXTRACTS, therapeutic use
3094. Palmer EG: Certain cytologic features of the porcine adrenal medulla. *Am J Vet Res* 39(8):1363-6, Aug 78  
\*ADRENAL MEDULLA, cytology/ ADRENAL MEDULLA, ultrastructure/ ANIMAL/ CYTOPLASMIC GRANULES, ultrastructure/ \*SWINE, anatomy & histology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3095. Palmer GC, Jones DJ, Medina MA, et al: Action in vitro and in vivo of chlorpromazine and haloperidol on cyclic nucleotide systems in mouse cerebral cortex and cerebellum. *Neuropharmacology* 17(7):491-8, Jul 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, radiation effects/ ANIMAL/ CEREBELLUM, drug effects/ \*CEREBELLUM, metabolism/ CEREBRAL CORTEX, drug effects/ \*CEREBRAL CORTEX, metabolism/ \*CHLORPROMAZINE, pharmacodynamics/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ \*HALOPERIDOL, pharmacodynamics/ IN VITRO/ MALE/ MICE/ MICROWAVES/ \*NUCLEOTIDES, CYCLIC, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3096. Palmer GC, Palmer SJ: 5' Guanylyl-imidodiphosphate actions on adenylate cyclase in homogenates of rat cerebral cortex plus neuronal and capillary fractions. *Life Sci* 23(3):207-15, 17 Jul 78  
\*ADENYL CYCLASE, metabolism/ ANIMAL/ APOMORPHINE, pharmacodynamics/ CAPILLARIES, drug effects/ CAPILLARIES, enzymology/ CEREBRAL CORTEX, blood supply/ CEREBRAL CORTEX, cytology/ CEREBRAL CORTEX, drug effects/ \*CEREBRAL CORTEX, enzymology/ DOPAMINE, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ \*GUANOSINE TRIPHOSPHATE, analogs & derivatives/ \*GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ NEURONS, drug effects/ NEURONS, enzymology/ NOREPINEPHRINE, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED
3097. Palmer GC, Jones DJ, Medina MA, et al: Role of neuroleptic agents on mouse pulmonary cyclic nucleotide systems. *Pharmacology* 17(5):280-7, 1978  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL/ CHLORPROMAZINE, pharmacodynamics/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HALOPERIDOL, pharmacodynamics/ \*LUNG metabolism/ MALE/ MICE/ NOREPINEPHRINE, pharmacodynamics/ \*TRANQUILIZING AGENTS/ MAJOR, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED
3098. Palmer MR, Morris DH, Taylor DA, et al: Electrophysiological effects of enkephalin analogs in rat cortex. *Life Sci* 23(8):851-60, 28 Aug 78  
ACTION POTENTIALS, drug effects/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ \*CEREBRAL CORTEX, drug effects/ \*ENDORPHINS, pharmacodynamics/ \*ENKEPHALINS, pharmacodynamics/ EVOKED POTENTIALS, drug effects/ FEMALE/ MALE/ NALOXONE, pharmacodynamics/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3099. Palmer PE, Wolfe HJ: Immunocytochemical localization of oncodevelopmental proteins in human germ cell and testicular tumors. *J Histochem Cytochem* 26(7):523-31, Jul 78  
\*ALPHA FETOPROTEINS/ \*ALPHA 1-ANTITRYPSIN/ CONTRACEPTIVES, ORAL/ ADVERSE EFFECTS/ HUMAN/ IMMUNOENZYMATIC TECHNIQUES/ \*LIVER NEOPLASMS, diagnosis/ LIVER NEOPLASMS, etiology/ \*OVARIAN NEOPLASMS, diagnosis/ \*TESTICULAR NEOPLASMS, diagnosis
3100. Palmieri G, Asole A, Panu R, et al: Lesioni testicolari trattate con un chelante del ferro (alpha-alpha' dipicolato). *Boll Soc Ital Biol Sper* 54(3):229-32, 15 Feb 78  
ANIMAL/ MALE/ \*PYRIDINES, toxicity/ \*TESTICULAR DISEASES, chemically induced/ \*2,2'-DIPYRIDYL, toxicity
3101. Pamich G: Struma ovarica. *Minerva Chir* 33(17):1131-3, Sep 78 (Eng. Abstr.)  
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*OVARIAN NEOPLASMS, radionuclide imaging/ OVARIAN NEOPLASMS, surgery/ \*TERATOGENS/ TERATOID TUMOR, radionuclide imaging/ TERATOID TUMOR, surgery
3102. Panaiotov D: Testosterone--biosintez, transport i metabolism. *Vutr Boles* 17(4):15-21, 1978 (38 ref.)  
ADOLESCENCE/ ADULT/ AGE FACTORS/ ANDROGENS, secretion/ ANDROSTERONE, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT/ ENZYME ACTIVATION/ ETIOCHOLANOLONE, metabolism/ FEMALE/ HUMAN/ INFANT, NEWBORN/ LEYDIG CELL, metabolism/ LH, physiology/ MALE/ PREGNENOLONE, metabolism/ PROTEIN BINDING, drug effects/ REVIEW/ SERTOLI CELLS, metabolism/ SEX HORMONE BINDING GLOBULIN, metabolism/ STANOLONE, metabolism/ TESTIS, metabolism/ \*TESTOSTERONE, biosynthesis/ TESTOSTERONE, metabolism/ TESTOSTERONE, secretion
3103. Pang CC, Bailey LE: The distribution of calcium in cat hearts: the effect of beta 1-blockade. *Can J Physiol Pharmacol* 56(4):564-70, Aug 78  
\*ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ANIMAL/ \*ANOXIA, metabolism/ \*CALCIUM, metabolism/ CATS/ FEMALE/ IN VITRO/ MALE/ MYOCARDIAL CONTRACTION, drug effects/ \*MYOCARDIUM, metabolism/ OXYGEN CONSUMPTION, drug effects/ PRACTOLOL, pharmacodynamics/ TIME FACTORS
3104. Panigrahy GK, Mishra BN, Patnaik BK: Age changes in collagen characteristics of bone and skin of a short species of reptile. *Age Ageing* 7(3):161-4, Aug 78  
\*AGING/ ANIMAL/ \*BONE AND BONES, pathology/ CLOSTRIDIOPEPTIDASE A, pharmacodynamics/ COLLAGEN, analysis/ \*COLLAGEN, physiology/ COMPARATIVE STUDY/ \*LIZARDS, anatomy & histology/ \*SKIN, pathology
3105. Pansky B, Hatfield JS: Cerebral localization of insulin immunofluorescence. *Am J Anat* 153(3):459-67, Nov 78  
ANIMAL/ \*BRAIN CHEMISTRY/ BRAIN, cytology/ CHOROID PLEXUS, analysis/ CHOROID PLEXUS, ultrastructure/ \*INSULIN, immunofluorescence



## AUTHOR SECTION

- PLEXUS, cytology/ FLUORESCENT ANTIBODY TECHNIC/ HYPOTHALAMUS, analysis/ HYPOTHALAMUS, cytology/ MALE/ MICE/ PANCREAS, analysis/ PANCREAS, cytology/ \*RECEPTORS, INSULIN, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Pant HC, Dobson H, Ward WR:** Effect of active immunization against oestrogens on plasma gonadotrophins in the ewe and the response to synthetic oestrogen or LH. *J Reprod Fertil* 53(2):241-8, Jul 78  
ANIMAL/ \*DIETHYLSTILBESTROL, pharmacodynamics/ \*ESTROGENS, physiology/ FEEDBACK/ FEMALE/ FSH, blood/ \*FSH, secretion/ LH, blood/ LH, pharmacodynamics/ \*LH, secretion/ PROGESTERONE, blood/ PROGESTERONE, secretion/ SECRETORY RATE, drug effects/ SHEEP
- Papazov B, Karag'ozov A, Pranchev N, et al:** Lipidniat test—test za platsentarna insufitsientsiia (predvaritelno suobshtenie). *Akush Ginekol (Sofia)* 17(4):256-61, 1978 (Eng. Abstr.) (Bul)  
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ EPITHELIUM, pathology/ FEMALE/ HUMAN/ \*LIPIDS, analysis/ \*PLACENTA DISORDERS, diagnosis/ \*PLACENTAL INSUFFICIENCY, diagnosis/ PREGNANCY TOXEMIAS, diagnosis/ PREGNANCY TRIMESTER, THIRD/ PREGNANCY/ VAGINA, pathology
- Pappas CT, Diamond MC, Johnson RE:** Effects of ovariectomy and differential experience on rat cerebral cortical morphology. *Brain Res* 154(1):53-60, 6 Oct 78  
ANIMAL/ ANIMALS, NEWBORN/ \*CASTRATION/ \*CEREBRAL CORTEX, anatomy & histology/ FEMALE/ RATS/ SENSORY DEPRIVATION/ \*SOCIAL ENVIRONMENT
- Parbtani A, Cameron JS:** Platelets, serotonin, migraine, and immune-complex disease [letter] *Lancet* 2(8091):679, 23 Sep 78  
\*BLOOD PLATELETS, metabolism/ HUMAN/ \*IMMUNE COMPLEX DISEASE, blood/ LUPUS ERYTHEMATOSUS, SYSTEMIC, blood/ MIGRAINE, blood/ \*MIGRAINE, etiology/ \*SEROTONIN, blood/ SEROTONIN, deficiency/ THROMBOPENIA, blood
- Parks TP, Printz MP, Gerritsen ME, et al:** Prostaglandin production in the rat tail artery and vein. *Proc West Pharmacol Soc* 21:241-4, 1978  
ANIMAL/ ARACHIDONIC ACIDS, metabolism/ \*ARTERIES, metabolism/ IN VITRO/ MALE/ PROSTAGLANDINS H, metabolism/ \*PROSTAGLANDINS, biosynthesis/ RATS/ TAIL, blood supply/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*VEINS, metabolism
- Parli CJ, Schmidt B, Shaar CJ:** Metabolism of lergotril to 13-hydroxy lergotril, a potent inhibitor of prolactin release in vitro. *Biochem Pharmacol* 27(9):1405-8, 1 May 78  
ANIMAL/ DEPRESSION, CHEMICAL/ \*ERGOLINES, metabolism/ GUINEA PIGS/ HYDROXYLATION/ IN VITRO/ \*LERGOTRILE MESYLATE, metabolism/ LERGOTRILE MESYLATE, pharmacodynamics/ LIVER, metabolism/ PITUITARY GLAND, ANTERIOR, drug effects/ PITUITARY GLAND, ANTERIOR, metabolism/ \*PROLACTIN, metabolism
- Parmeggiani PL:** Regulation of the activity of respiratory muscles during sleep. *Adv Exp Med Biol* 99:47-57, 1978  
ANIMAL/ CATS/ \*DIAPHRAGM, innervation/ DIAPHRAGM, physiology/ ELECTROMYOGRAPHY/ HYPOTHALAMUS, physiology/ \*INTERCOSTAL MUSCLES, innervation/ INTERCOSTAL MUSCLES, physiology/ MOTOR NEURONS, physiology/ MUSCLES, innervation/ NECK/ RESPIRATION/ RESPIRATORY CENTER, physiology/ \*RESPIRATORY SYSTEM, physiology/ SLEEP STAGES, physiology/ \*SLEEP, physiology
- Parrillo JE, Fauci AS:** Comparison of the effector cells in human spontaneous cellular cytotoxicity and antibody-dependent cellular cytotoxicity: differential sensitivity of effector cells to in vivo and in vitro corticosteroids. *Scand J Immunol* 8(2):99-107, 1978  
\*ADRENAL CORTEX HORMONES, pharmacodynamics/ \*ANTIBODY-DEPENDENT CELL CYTOTOXICITY, drug effects/ CELL SEPARATION/ \*CYTOTOXICITY, IMMUNOLOGIC, drug effects/ DEXAMETHASONE, pharmacodynamics/ HUMAN/ \*IMMUNITY, CELLULAR, drug effects/ IMMUNOGLOBULINS, SURFACE/ LYMPHOCYTES, immunology/ MONOCYTES, immunology/ ROSETTE FORMATION/ TIME FACTORS
3114. **Partanen S:** Differentiation of two types of endocrine cells which take up amine precursors using their capacity to take up the fluorescent dihydroisoquinoline derivative of dopamine. *Histochemistry* 57(2):161-75, 25 Aug 78  
ANIMAL/ \*APUD CELLS, metabolism/ DOPAMINE, metabolism/ FLUORESCENCE/ HYDROXYTRYPTOPHAN, metabolism/ ISLANDS OF LANGERHANS, metabolism/ MALE/ PINEAL BODY, cytology/ \*PINEAL BODY, metabolism/ PITUITARY GLAND, ANTERIOR, cytology/ \*PITUITARY GLAND, ANTERIOR, metabolism/ \*QUINOLINIUM COMPOUNDS, metabolism/ RATS/ THYROID GLAND, metabolism
3115. **Pasanen A:** Kliinis-patologinen kokousselostus LIV. Voimakas eosinofilia, pleuratuumori, luustomuutokset ja paraplegia. *Duodecim* 94(19):1202-11, 1978 (Fin)  
\*BONE AND BONES, pathology/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ \*EOSINOPHILIA/ \*HODGKIN'S DISEASE, pathology/ HUMAN/ MALE/ MIDDLE AGE/ \*PARAPLEGIA, pathology/ \*PLEURAL NEOPLASMS, pathology/ SYNDROME
3116. **Pasqualini JR, Sumida C, Gelley C, et al:** Specific binding of estrogens in different fetal tissues of guinea pig during fetal development. *Cancer Res* 38(11 Pt 2):4246-50, Nov 78  
ANIMAL/ ANIMALS, NEWBORN/ BRAIN, metabolism/ CELL NUCLEUS, metabolism/ COMPARATIVE STUDY/ CYTOSOL, metabolism/ ESTRADIOL, metabolism/ ESTRONE, metabolism/ FEMALE/ \*FETUS, metabolism/ GESTATIONAL AGE/ GUINEA PIGS/ KIDNEY, metabolism/ LUNG, metabolism/ MALE/ \*RECEPTORS, ESTROGEN, metabolism/ UTERUS, metabolism
3117. **Passarge E:** Indikationen zur Chromosomenanalyse. *Internist (Berlin)* 19(8):445-51, Aug 78 (Ger)  
ABNORMALITIES, diagnosis/ CHROMATIDS, analysis/ CHROMOSOME ABERRATIONS/ CHROMOSOME ABNORMALITIES, diagnosis/ FEMALE/ HEMATOLOGIC DISEASES, diagnosis/ HUMAN/ INFANT, NEWBORN/ \*KARYOTYPING, methods/ METABOLISM, INBORN ERRORS, diagnosis/ METAPHASE/ PREGNANCY/ PRENATAL DIAGNOSIS/ RISK/ SEX CHROMOSOME ABNORMALITIES, diagnosis
3118. **Pastoriza-Muñoz E, Colindres RE, Lassiter WE, et al:** Effect of parathyroid hormone on phosphate reabsorption in rat distal convolution. *Am J Physiol* 235(4):F321-30, Oct 78  
ANIMAL/ KIDNEY TUBULES, COLLECTING, metabolism/ KIDNEY TUBULES, PROXIMAL, metabolism/ LOOP OF HENLE, metabolism/ MALE/ \*NEPHRONS, metabolism/ PARATHYROID GLANDS, surgery/ \*PARATHYROID HORMONE, pharmacodynamics/ \*PHOSPHATES, metabolism/ RATS/ SODIUM, metabolism/ THYROIDECTOMY/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3119. **Patek E, Johnson P:** Recurrent hydatidiform mole. Report of a case with five recurrences. *Acta Obstet Gynecol Scand* 57(4):381-3, 1978  
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ \*HYDATIDIFORM MOLE/ NEOPLASM RECURRENT, LOCAL/ PREGNANCY/ \*UTERINE NEOPLASMS
3120. **Patel D, Mitnick J, Braunstein P, et al:** 67Ga scan in thymoma. *Clin Nucl Med* 3(8):339, Aug 78  
CASE REPORT/ CHILD/ \*GALLIUM RADIOISOTOPES, diagnostic use/ HUMAN/ MALE/ \*THYMOMA, radionuclide imaging/ \*THYMUS NEOPLASMS, radionuclide imaging
3121. **Patterson LE, Huether RJ:** Reimbursement for clinical pharmaceutical services. *Am J Hosp Pharm* 35(11):1373-5, Nov 78  
DRUGS, metabolism/ \*FEES, PHARMACEUTICAL/ HOSPITAL BED CAPACITY, 200 to 499/ HUMAN/ KINETICS/ PATIENTS, education/ \*PHARMACY



## AUTHOR SECTION

- SERVICE, HOSPITAL, economics/ REFERRAL  
AND CONSULTATION/ SELF  
ADMINISTRATION, education/ SOMATOTROPIN,  
administration & dosage/ SOUTH DAKOTA
3122. Paty J, Benezech M, Eschapasse P, et al: Neurophysiological study of 47, XYY and 47, XXY psychopaths: contingent negative variation, evoked potentials and motor nerve conduction. *Neuropsychobiology* 4(6):321-27, 1978  
ADULT/ \*ANTISOCIAL PERSONALITY, physiopathology/ AROUSAL, physiology/ AUDITORY CORTEX, physiopathology/ \*CONTINGENT NEGATIVE VARIATION/ \*ELECTROPHYSIOLOGY/ EVOKED POTENTIALS/ HUMAN/ KLINEFELTER'S SYNDROME, physiopathology/ MALE/ \*MOTOR NEURONS, physiology/ \*NEURAL CONDUCTION/ \*SEX CHROMOSOME ABNORMALITIES, physiopathology/ SOMATOSENSORY CORTEX, physiopathology/ VISUAL CORTEX, physiopathology
3123. Paty J, Benezech M: EEG studies in male polygonosomic psychopaths (47, XYY and 47, XXY). *Br J Psychiatry* 133:285-6, Sep 78  
ADULT/ ANTISOCIAL PERSONALITY, complications/ \*ANTISOCIAL PERSONALITY, familial & genetic/ ELECTROENCEPHALOGRAPHY/ HUMAN/ MALE/ \*SEX CHROMOSOME ABNORMALITIES, psychology
3124. Pauley RJ, Rosen JM, Socher SH: Mammary tumour virus and casein gene transcription during mouse mammary development. *Nature* 275(5679):455-7, 5 Oct 78  
ANIMAL/ \*CASEIN, genetics/ FEMALE/ LACTATION/ \*MAMMAE, growth & development/ MAMMAE, metabolism/ MAMMAE, microbiology/ \*MAMMARY CANCER VIRUS, genetics/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C3H/ PARITY/ RNA, MESSENGER, analysis/ RNA, VIRAL, analysis/ TRANSCRIPTION, GENETIC/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3125. Paulissian R: Diazoxide. *Int Anesthesiol Clin* 16(2):201-37, Summer 78 (136 ref.)  
ANIMAL/ BINDING SITES/ BLOOD SUGAR, metabolism/ CATECHOLAMINES, metabolism/ CHILD/ \*DIAZOXIDE/ DIAZOXIDE, adverse effects/ DIAZOXIDE, metabolism/ DIAZOXIDE, pharmacodynamics/ DIAZOXIDE, therapeutic use/ FEMALE/ HEMODYNAMICS, drug effects/ HUMAN/ KIDNEY, drug effects/ LIPIDS, metabolism/ OBSTETRICS/ PREGNANCY/ PROTEIN BINDING/ RENIN, metabolism/ REVIEW/ SURGERY, OPERATIVE/ TISSUE DISTRIBUTION
3126. Paulson GW: Diseases described by Ohioans. *Ohio State Med J* 74(11):723-5, Nov 78  
\*ABNORMALITIES, MULTIPLE, history/ BRAIN DISEASES, history/ \*GIGANTISM, history/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ \*HUNTINGTON CHOREA, history/ OHIO/ \*OPHTHALMOPLÉGIA, history/ \*PHYSICIANS, history/ \*RUBINSTEIN-TAYBI SYNDROME, history/ SYNDROME/ \*ZOLLINGER-ELLISON SYNDROME, history
3127. Paumgartner G: Chronische Hepatitis: wann und wie behandeln? *Ther Umsch* 35(9):716-20, Sep 78 (35 ref.) (Eng. Abstr.) (Ger)  
\*ADRENAL CORTEX HORMONES, therapeutic use/ AZATHIOPRINE, therapeutic use/ CHRONIC DISEASE/ ENGLISH ABSTRACT/ HEPATITIS B ANTIGENS, analysis/ \*HEPATITIS, therapy/ HUMAN/ \*IMMUNOSUPPRESSIVE AGENTS, therapeutic use/ PREDNISOLONE, therapeutic use/ REVIEW
3128. Pavan-Langston D, Abelson MB: Glucocorticoid therapy in ocular herpes simplex. II. Advantages. *Surv Ophthalmol* 23(1):35, 43-7, Jul-Aug 78  
ANTIVIRAL AGENTS, therapeutic use/ CORNEAL ULCER, drug therapy/ GLUCOCORTICOIDS, administration & dosage/ GLUCOCORTICOIDS, therapeutic use/ GLUCOCORTICOIDS, TOPICAL, adverse effects/ HUMAN/ IRIDOCYCLITIS, drug therapy/ \*KERATITIS, DENDRITIC, drug therapy/ KERATITIS, DENDRITIC, etiology/ RECURRENCE/ UNITED STATES GOV'T
- SUPPORTED, P.H.S.
3129. Pavelič K, Hrsak I: Effect of immunosuppression on the of six murine tumors. *Z Krebsforsch* 92(2):147-56, 78  
ANIMAL/ CARCINOMA, EHRlich TUMOR immunology/ CORTISONE, pharmacodynamics/ CYCLOPHOSPHAMIDE, pharmacodynamics/ FEMALE/ IMMUNITY, drug effects/ IMMUNITY, radiation effects/ IMMUNITY, CELLULAR, effects/ IMMUNITY, CELLULAR, radiation/ \*IMMUNOSUPPRESSION/ MALE/ MICE/ INBRED STRAINS/ \*NEOPLASMS, EXPERIMENTAL, immunology/ NEOPLASMS, EXPERIMENTAL, pathology/ X-RAYS
3130. Pawlaczek B: Ocena czynności androgennych kory nadnerczy i gonad w wybranych odmianach nieprawidłowości płciowych wieku dziecięcego i młodzieńczego. *Endokrynol Pol* 29(4):347-52, Jul-Aug 78  
ADOLESCENCE/ \*ADRENAL CORTEX, physiopathology/ \*ADRENOGENITAL SYNDROME, physiopathology/ AGE FACT/ \*ANDROGENS, secretion/ CHILD/ CHILD PRESCHOOL/ FEMALE/ \*GONADS, physiopathology/ HUMAN/ MALE/ \*PUBERTY, physiopathology/ \*SEX DIFFERENTIATION DISORDERS, physiopathology
3131. Pawlicki R: Methods of preparation of fossil bone samples for light and transmission electron microscopy. *Stain Technol* 53(2):95-102, Mar 78  
ANIMAL/ BLOOD VESSELS, ultrastructure/ AND BONES, blood supply/ DECALCIFICATION, ultrastructure/ \*FASCIOLA HEPATICA, growth & development/ \*HISTOLOGICAL TECHNIQUES, ultrastructure/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, ANCIENT/ \*LYMNAEA, parasitology/ MICROSCOPY, ELECTRON/ OSTEOCYTES, ultrastructure/ STAINS AND STAINING
3132. Payet MD, Schanne OF, Ruiz-Ceretti E, et al: Slow and outward currents of rat ventricular fibers under steady state conditions. *J Physiol (Paris)* 74(1):31-5, 1978  
ACTION POTENTIALS/ ANIMAL/ \*ANION CURRENTS, physiology/ CALCIUM, metabolism/ CELL MEMBRANE, physiology/ FEMALE/ \*HEART, physiology/ VENTRICLE, physiopathology/ MALE/ MEMBRANE POTENTIALS/ MICROELECTRODES/ RATS/ SODIUM, metabolism
3133. Pchelenko LD: Vliianie tiroksina i noradrenalina na ékologicheskuyu sokrashcheniia. *Fiziol Zh SSSR* 64(8):11-15, Aug 78 (Eng. Abstr.)  
ANIMAL/ \*BODY TEMPERATURE REGULATION, drug effects/ COMPARATIVE STUDY/ DRUG INTERACTIONS/ ENGLISH ABSTRACT/ HYPERTHYROIDISM, physiopathology/ MUSCLE CONTRACTION/ \*MUSCLES, drug effects/ \*NOREPINEPHRINE, pharmacodynamics/ RATS/ STIMULATION, CHEMICAL/ \*THYROXINE, pharmacodynamics
3134. Peacock TA, Browder LW, Schultz GA: Lactate dehydrogenase activity in rabbit oocytes and eggs. *Can J Genet Cytol* 20(1):1-10, Jun 78  
ANIMAL/ ELECTROPHORESIS, CELLULAR/ ACETATE/ FEMALE/ GRAAFIAN FOLLICLE, physiology/ \*ISOENZYMES, metabolism/ \*LACTATE DEHYDROGENASE, metabolism/ \*OOCYTES, enzymology/ \*OVUM, enzymology/ RABBITS
3135. Pearce RB, Cronshaw J, Holmes WN: Evidence for the zonation of interrenal tissue in the adrenal gland of the platyfish (*Xiphophorus platyfish*). *Cell Tissue Res* 192(3):363-79, 78  
\*ADRENAL GLANDS, ultrastructure/ ANIMAL/ CELL MEMBRANE, ultrastructure/ CELL NUCLEUS, ultrastructure/ CORTICOSTEROIDS, pharmacodynamics/ \*DUCKS, anatomy & histology/ ENDOPLASMIC RETICULUM, ultrastructure/ GOLGI APPARATUS, ultrastructure/ \*INTERRENAL GLAND, ultrastructure/ MITOCHONDRIA, ultrastructure/ PITUITARY GLAND, ANTERIOR, surgery/ UNITED STATES GOV'T SUPPORTED
3136. Pearce AG, Takor TT: Neuroendocrine embryology of the platyfish (*Xiphophorus platyfish*). *APUD concept. Clin Endocrinol (Oxf)* 5 Suppl:225-230, 1978



## AUTHOR SECTION

1976 (51 ref.)

ANIMAL/ \*APUD CELLS/ APUD CELLS, analysis/  
APUD CELLS, cytology/ CHICK EMBRYO/  
ECTODERM, analysis/ ECTODERM, cytology/  
ENDOCRINE GLANDS, analysis/ ENDOCRINE  
GLANDS, cytology/ \*ENDOCRINE GLANDS,  
embryology/ FROGS/ GASTROINTESTINAL  
SYSTEM, analysis/ GASTROINTESTINAL  
SYSTEM, cytology/ GASTROINTESTINAL  
SYSTEM, embryology/  
HYPOTHALAMO-HYPOPHYSAL SYSTEM,  
analysis/ HYPOTHALAMO-HYPOPHYSAL  
SYSTEM, cytology/  
HYPOTHALAMO-HYPOPHYSAL SYSTEM,  
embryology/ NEURAL CREST, analysis/ \*NEURAL  
CREST, cytology/ PEPTIDES, analysis/ PHARYNX,  
analysis/ PHARYNX, cytology/ PHARYNX,  
embryology/ RANA TEMPORARIA, embryology/  
REVIEW/ VERTEBRATES, embryology

**Pearson OH, Manni A, Chambers M, et al:** Role of pituitary hormones in the growth of human breast cancer.  
Cancer Res 38(11 Pt 2):4323-6, Nov 78

ANDROGENS, SYNTHETIC, therapeutic use/  
BREAST NEOPLASMS, metabolism/ \*BREAST  
NEOPLASMS, therapy/ ESTROGEN  
ANTAGONISTS, therapeutic use/ FEMALE/  
HUMAN/ HYPOPHYSECTOMY/ NEOPLASMS,  
HORMONE-DEPENDENT, metabolism/  
\*NEOPLASMS, HORMONE-DEPENDENT,  
therapy/ \*PITUITARY HORMONES, physiology/  
PROLACTIN, metabolism/ RECEPTORS,  
ESTROGEN/ RECEPTORS, HORMONE/  
REMISSION/ TAMOXIFEN, therapeutic use/  
UNITED STATES GOV'T SUPPORTED, P.H.S.

**Peart WS:** Intra-renal factors in renin release.

Contrib Nephrol 12:5-15, 1978 (60 ref.)

ANIMAL/ CALCIUM, metabolism/ HUMAN/  
KIDNEY, drug effects/ \*KIDNEY, enzymology/  
KIDNEY, metabolism/ \*RENIN, secretion/ REVIEW/  
VASOCONSTRICTOR AGENTS,  
pharmacodynamics/ VASODILATOR AGENTS,  
pharmacodynamics

**Peck DR, Lowman RM:** Estrogen and the postmenopausal breast. Mammographic considerations. JAMA  
240(16):1733-5, 13 Oct 78

AGED/ \*BREAST DISEASES, chemically induced/  
BREAST DISEASES, radiography/ BREAST  
NEOPLASMS, chemically induced/ CASE REPORT/  
CYSTS, chemically induced/ \*ESTROGENS, adverse  
effects/ ESTROGENS, therapeutic use/ FEMALE/  
FOLLOW-UP STUDIES/ HUMAN/  
\*MAMMOGRAPHY/ \*MENOPAUSE/ MIDDLE  
AGE/ OSTEOPOROSIS, prevention & control/  
PARITY/ RISK

**Pecora P, Mileto A, Suraci C:** Ricerche sulla gametocinesi nel testicolo di anfibio, in vitro: importanza della composizione elettrolitica del liquido di incubazione.

Boll Soc Ital Biol Sper 54(8):695-700, 30 Apr 78 (Ita)

ANIMAL/ CULTURE MEDIA/ \*ELECTROLYTES,  
pharmacodynamics/ EPINEPHRINE,  
pharmacodynamics/ FROGS/ \*FSH,  
pharmacodynamics/ IN VITRO/ \*LH,  
pharmacodynamics/ \*SPERMATOGENESIS, drug  
effects/ \*TESTIS/ \*TESTIS, drug effects/ TESTIS,  
physiology

**Pedini G, Perani G, Brambilla A, et al:** Modificazioni dell'attività lipoproteina lipasica post-eparinica conseguenti a trattamento con testosterone. G Clin Med 59(5-6):199-209, May-Jun 78 (Ita)

ADULT/ FATTY ACIDS, NONESTERIFIED,  
blood/ GLYCERIN, blood/ \*HEPARIN,  
pharmacodynamics/ HUMAN/ \*LIPOPROTEIN  
LIPASE, blood/ MALE/ MIDDLE AGE/  
\*TESTOSTERONE, pharmacodynamics/  
TRIGLYCERIDES, blood

**Pehamberger H, Pateisky K, Holubar K:** Koexistenz von pemphigus vulgaris und myopathie. Hautarzt 29(8):448-50, Aug 78 (Ger)

AZATHIOPRINE, therapeutic use/  
\*BLEPHAROPTOSIS, complications/  
BLEPHAROPTOSIS, drug therapy/ CASE REPORT/  
FEMALE/ GUANIDINES, therapeutic use/ HUMAN/  
MIDDLE AGE/ \*PEMPHIGUS, complications/  
PEMPHIGUS, drug therapy/ PREDNISOLONE,

therapeutic use

3143. **Pekur SV, Smokvin VD:** Funktsional'noe sostoianie nadpochechnikov i retikulo-endotelial'noi sistemy u bol'nykh tuberkulezom legkikh. Vrach Delo (6):61-3, Jun 78 (Rus)  
\*ADRENAL CORTEX, physiopathology/ FEMALE/  
HUMAN/ MALE/ \*PHAGOCYTOSIS/  
\*TUBERCULOSIS, PULMONARY, physiopathology

3144. **Peliukpashidi NI:** Funktsional'naia morfologiya shchitovidnykh zhelez detei perinatal'nogo perioda v zavisimosti ot prodolzhitel'nosti gipoksicheskogo vozdeistviia u v usloviakh zobnoi endemii gor. Osha. Zdravookhr Kirg (4):26-30, Jul-Aug 78 (Rus)

\*ANOXIA, physiopathology/ ASPHYXIA  
NEONATORUM, physiopathology/ FEMALE/  
FETAL DEATH, physiopathology/ FETAL  
DISEASES, physiopathology/ \*GOITER, ENDEMIC,  
physiopathology/ HUMAN/ INFANT, NEWBORN/  
\*INFANT, NEWBORN, DISEASES,  
physiopathology/ KIRGHIZIA/ ORGAN WEIGHT/  
PREGNANCY/ \*THYROID GLAND,  
physiopathology/ URBAN POPULATION

3145. **Pelkonen R, Kuusisto A, Salmi J, et al:** Pituitary function after pituitary apoplexy. Am J Med 65(5):773-8, Nov 78

ACROMEGALY, physiopathology/ ADENOMA,  
physiopathology/ ADULT/ AGED/  
CEREBROVASCULAR DISORDERS, diagnosis/  
\*CEREBROVASCULAR DISORDERS,  
physiopathology/ CEREBROVASCULAR  
DISORDERS, therapy/ CUSHING'S SYNDROME,  
physiopathology/ FEMALE/ HUMAN/ MALE/  
MIDDLE AGE/ PITUITARY DISEASES, diagnosis/  
\*PITUITARY DISEASES, physiopathology/  
PITUITARY DISEASES, therapy/ \*PITUITARY  
GLAND, physiopathology/ PITUITARY  
NEOPLASMS, physiopathology/ PREGNANCY/  
PROGNOSIS/ SYNDROME

3146. **Pelletier G:** Immunohistochemical localization of hypothalamic hormones at the electron microscope level.  
Curr Top Mol Endocrinol 3:433-50, 1976 (23 ref.)

ANIMAL/ AXONS, analysis/ \*BRAIN CHEMISTRY/  
BRAIN, cytology/ CELLULAR INCLUSIONS,  
analysis/ CYTOPLASM, analysis/ FLUORESCENT  
ANTIBODY TECHNIC/ GASTRIC MUCOSA,  
analysis/ HISTOCYTOCHEMISTRY/ HUMAN/  
HYPOTHALAMUS, analysis/ HYPOTHALAMUS,  
secretion/ ISLANDS OF LANGERHANS, analysis/  
\*LH-FSH RELEASING HORMONE, analysis/  
MEDIAN EMINENCE, analysis/ MICROSCOPY/  
ELECTRON/ NERVE ENDINGS, analysis/ PINEAL  
BODY, analysis/ REVIEW/ \*SOMATOTROPIN  
RELEASE INHIBITING HORMONE, analysis/  
STOMACH, analysis/ SUBCOMMISSURAL ORGAN,  
analysis

3147. **Pendleton RG, Gessner G, Sawyer J:** Studies on the distribution of phenylethanolamine N-methyltransferase and epinephrine in the rat. Res Commun Chem Pathol Pharmacol 21(2):315-25, Aug 78

ADRENAL MEDULLA, physiology/ ANIMAL/  
CATECHOLAMINES, blood/ CATECHOLAMINES,  
metabolism/ \*EPINEPHRINE, metabolism/ MALE/  
\*PHENETHANOLAMINE  
N-METHYLTRANSFERASE, metabolism/ RATS/  
TISSUE DISTRIBUTION

3148. **Peng TC, Cooper CW, Garner SC, et al:** Hypercalcitoninism and C-cell hyperplasia in rats with goiters produced by a low iodine diet or propylthiouracil.

J Pharmacol Exp Ther 206(3):710-17, Sep 78

ANIMAL/ BODY WEIGHT/ \*CALCITONIN,  
analysis/ CALCITONIN, blood/ CALCIUM, blood/  
COMPARATIVE STUDY/ DIET/ FEMALE/  
GOITER, drug therapy/ \*GOITER, pathology/  
IODINE, deficiency/ IODINE, therapeutic use/  
MALE/ ORGAN WEIGHT/ PHOSPHATES, blood/  
PROPYLTHIOURACIL, pharmacodynamics/ RATS/  
\*THYROID GLAND, pathology/ THYROTROPIN,  
blood/ UNITED STATES GOV'T SUPPORTED,  
P.H.S.

3149. **Pengelly CD, Jennings RC:** Active chronic hepatitis [letter]  
Lancet 2(8090):632-3, 16 Sep 78

AGED/ CASE REPORT/ CHRONIC DISEASE/  
CYCLOPHOSPHAMIDE, administration & dosage/  
DRUG THERAPY, COMBINATION/ FEMALE/  
FOLLOW-UP STUDIES/ \*HEPATITIS, drug  
therapy/ HUMAN/ LIVER FUNCTION TESTS/



# AUTHOR SECTION

- MIDDLE AGE/ PREDNISOLONE, administration & dosage
3150. Pennington JE: Differential effects of cyclophosphamide and cortisone acetate on bronchoalveolar phagocytic cell populations. *Am Rev Respir Dis* 118(2):319-24, Aug 78  
ANIMAL/ \*BRONCHI, drug effects/ CELL COUNT/ COMPARATIVE STUDY/ \*CORTISONE, pharmacodynamics/ CORTISONE, therapeutic use/ \*CYCLOPHOSPHAMIDE, pharmacodynamics/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG SYNERGISM/ GUINEA PIGS/ HORMONES, SYNTHETIC, therapeutic use/ LEUKOCYTE COUNT/ LEUKOCYTES, pathology/ \*MACROPHAGES, drug effects/ MACROPHAGES, immunology/ MACROPHAGES, pathology/ NEUTROPHILS, drug effects/ NEUTROPHILS, immunology/ PHAGOCYTOSIS, drug effects/ PSEUDOMONAS INFECTIONS, immunology/ \*PULMONARY ALVEOLI, drug effects
3151. Pento JT, Wright RJ, Magarian RA, et al: Influence of ovarian and adrenal ablation on the oestrogenic activity of diethylstilbestrol. *J Endocrinol* 78(2):287-8, Aug 78  
ADRENALECTOMY/ ANIMAL/ CASTRATION/ \*DIETHYLSTILBESTROL, metabolism/ DIETHYLSTILBESTROL, pharmacodynamics/ FEMALE/ MICE/ UTERUS, drug effects
3152. Pentreath VW, Berry MS: Radioautographic study of 5-hydroxytryptamine-containing nerve terminals in central ganglia of *Planorbis corneus*: comparison with other species and characteristics of the serotonergic nerve terminal. *J Neurocytol* 7(4):443-59, Aug 78  
ANIMAL/ APLYSIA, metabolism/ AUTORADIOGRAPHY/ BRAIN, metabolism/ COMPARATIVE STUDY/ \*GANGLIA, metabolism/ GANGLIA, ultrastructure/ HELIX (SNAILS), metabolism/ LEECHES, metabolism/ LEUCINE, metabolism/ MICROSCOPY, ELECTRON/ MOLLUSCA, metabolism/ MONKEYS/ \*NERVE ENDINGS, metabolism/ RATS/ \*SEROTONIN, metabolism/ SPECIES SPECIFICITY
3153. Pereslegin IA, Vereshchagina GV, Zubovskii GA, et al: Issledovanie gormonov shchitovidnoi zhelezy v rannem posleoperatsionnom periode. *Klin Med (Mosk)* 56(8):48-54, Aug 78 (Eng. Abstr.) (Rus)  
ADULT/ ENGLISH ABSTRACT/ HUMAN/ MIDDLE AGE/ \*SURGERY, OPERATIVE/ \*THYROID GLAND, physiology/ \*TRIIODOTHYRONINE, blood
3154. Perez CA, Korba A, Zivnuskas F, et al: 60Co moving strip technique in the management of carcinoma of the ovary: analysis of tumor control and morbidity. *Int J Radiat Oncol Biol Phys* 4(5-6):379-88, May-Jun 78  
COBALT RADIOISOTOPES/ COLITIS, etiology/ COMPARATIVE STUDY/ FEMALE/ HUMAN/ INTESTINAL OBSTRUCTION, etiology/ INTESTINE, SMALL/ NEOPLASM METASTASIS/ OSTEORADIONECROSIS, etiology/ \*OVARIAN NEOPLASMS, radiotherapy/ RADIATION INJURIES, etiology/ RADIOTHERAPY DOSAGE/ \*RADIOTHERAPY, HIGH ENERGY, methods/ RECURRENCE/ REMISSION/ TIME FACTORS
3155. Pérez-Clavier R, Harrison RG: The pattern of lymphatic drainage of the rat testis. *J Anat* 127(1):93-100, Sep 78  
ANIMAL/ \*LYMPHATIC SYSTEM, anatomy & histology/ LYMPHOGRAPHY/ MALE/ RATS/ \*TESTIS, anatomy & histology
3156. Perez-Polo JR, Dy P, Westlund K, et al: Levels of serum nerve growth factor in schizophrenia. *Birth Defects* 14(5):311-21, 1978  
FEMALE/ HUMAN/ MALE/ MOLECULAR WEIGHT/ \*NERVE GROWTH FACTOR, blood/ RADIOIMMUNOASSAY/ \*SCHIZOPHRENIA, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3157. Pernot C, Hoeffel JC, Worms AM, et al: Les formes familiales des cardiopathies du syndrome de Noonan. A propos de trois familles. *Pediatric* 33(4):375-82, Jun 78 (Eng. Abstr.) (Fre)  
ADULT/ CASE REPORT/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HEART ENLARGEMENT, complications/ HEART ENLARGEMENT, familial & genetic/ HUMAN/ MALE/ MIDDLE AGE/ NOONAN SYNDROME, complications/ \*NOONAN SYNDROME, familial & genetic/ PEDIGREE/ PULMONARY VALVE STENOSIS, complications/ \*PULMONARY VALVE STENOSIS, familial & genetic
3158. Peryshkova TA, Shishkina IV, Shumikhin VN: Ispol'zovanie metoda osazhdeniia belkov-retseptorov k éstradiolu tsitozola gipotalamusa i matki krysa na ionoobmennoi i dlia izucheniia ikh fiziko-khimicheskikh kharakteristik. *Lab Delo* (9):542-7, 1978 (Eng. Abstr.)  
ANIMAL/ CHEMISTRY, PHYSICAL/ CHROMATOGRAPHY, DEAE-CELLULOSE methods/ CYTOSOL, analysis/ ENGLISH ABSTRACT/ \*ESTRADIOL, isolation & purification/ FEMALE/ \*HYPOTHALAMUS, analysis/ RA \*RECEPTORS, ESTROGEN, isolation & purification/ \*UTERUS, analysis
3159. Peschle C, Barba P, Cillo C, et al: Role of kidney, liver, and hypophysis in erythropoietin production. *Haematologica (Pavia)* 63(4):349-58, Aug 78  
AGING/ ANIMAL/ \*ERYTHROPOIETIN, biosynthesis/ HUMAN/ \*KIDNEY, metabolism/ \*LIVER, metabolism/ \*PITUITARY GLAND, metabolism/ ANTERIOR, metabolism/ PROTEIN PRECURSORS, biosynthesis/ RATS
3160. Peskar BA, Glatt M, Anhut H, et al: Effect of imidazole on prostaglandin and thromboxane accumulation in urate arthritis. *Eur J Pharmacol* 50(4):437-41, 15 Aug 78  
ANIMAL/ ARTHRITIS, chemically induced/ \*ARTHRITIS, metabolism/ CHICKENS/ \*IMIDAZOLES, pharmacodynamics/ LEUKOCYTES, metabolism/ \*PROSTAGLANDINS, metabolism/ \*THROMBOXANES, metabolism/ TIME FACTORS
3161. Peter RE, Hontela A: Annual gonadal cycles in teleost fish: environmental factors and gonadotropin levels in blood. *Environ Biol Fish* 20:5-15, 1978  
In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E6  
ANIMAL/ CASTRATION/ ENVIRONMENT/ FEMALE/ \*FISHES, blood/ \*GONADOTROPIN, blood/ HYPOPHYSECTOMY/ MALE/ MONOGRAPH/ \*PERIODICITY
3162. Peterlik M, Wasserman RH: Stimulatory effect of 1,25-dihydroxycholecalciferol-like substances from *Sarcophaga malacoxylon* and *Cestrum diurnum* on phosphate transport in chick jejunum. *J Nutr* 108(10):1673-9, Oct 78  
ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ CHICKENS/ \*DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ EPITHELIUM, physiopathology/ \*HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ INTESTINAL ABSORPTION, drug effects/ INTESTINAL MUCOSA, physiopathology/ \*JEJUNUM, physiopathology/ \*PHOSPHATES, metabolism/ PLANT EXTRACTS, pharmacodynamics/ SEROUS MEMBRANE, physiopathology/ STRONTIUM, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S. \*VITAMIN D DEFICIENCY, metabolism
3163. Peters F, Zimmermann G, Breckwoldt M: Effect of pyridoxine on plasma levels of GHG, PRL, and TSH in normal rats. *Acta Endocrinol (Copenh)* 89(2):217-20, Oct 78  
ADMINISTRATION, ORAL/ ADULT/ CLINICAL RESEARCH/ FEMALE/ HUMAN/ \*PROLACTIN, blood/ PYRIDOXINE, administration & dosage/ \*PYRIDOXINE, pharmacodynamics/ RECEPTORS, DOPAMINE, drug effects/ \*SOMATOTROPIN, blood/ \*THYROTROPIN, blood
3164. Peters TJ, Jones PE, Jenkins WJ, et al: Analytical subfractionation of jejunal biopsy specimens: enzyme activity, organelle pathology and response to corticosteroids in patients with non-responsive coeliac disease. *Clin Sci Mol Med* 55(3):293-300, Sep 78  
ADULT/ AGED/ \*CELIAC DISEASE, enzymology/ FEMALE/ HUMAN/ \*JEJUNUM, enzymology/ MALE/ MICROVILLI, enzymology/ MIDDLE AGE/ \*PREDNISOLONE, therapeutic use/ SPREADSHEET/ SPRUE, enzymology/ SUBCELLULAR FRACTIONS, enzymology
3165. Peterson JE, King ME, Banks WF, et al: Radioimmunoassay for danazol in human and monkey plasma. *J Pharmacol* 67(10):1425-8, Oct 78  
ANIMAL/ \*DANAZOL, blood/ FEMALE/ HUMAN/ METHODS/ MONKEYS/



## AUTHOR SECTION

- \*PREGNADIENES, blood/  
RADIOIMMUNOASSAY/ RADIOISOTOPE  
DILUTION TECHNIC/ RHESUS MONKEYS
66. Petres J, Kunick I: Ungewöhnliche kaltwasser- und  
kaltluftkontaktüberempfindlichkeit mit fortgeleiteter  
reflexähnlicher erythembildung. *Hautarzt* 29(8):420-4, Aug  
78 (Ger)  
ADRENAL CORTEX HORMONES, therapeutic use/  
ADULT/ CASE REPORT/ COLD/ HISTAMINE H1  
RECEPTOR BLOCKADERS, therapeutic use/  
HUMAN/ MALE/ URTICARIA, drug therapy/  
\*URTICARIA, etiology
67. Petronio R, Sussi PL, Modena S, et al: Incidenza della paralisi  
ricorrente nella nostra casistica di chirurgia tiroidea.  
*Chir Ital* 30(5):501-7, Oct 78 (Eng. Abstr.) (Ita)  
ENGLISH ABSTRACT/ HUMAN/ \*LARYNGEAL  
NERVES, injuries/ \*RECURRENT LARYNGEAL  
NERVE, injuries/ \*THYROIDECTOMY, adverse  
effects/ \*VOCAL CORD PARALYSIS, etiology
68. Pettifor JM, Ross FP, Moodley G, et al: Serum calcium,  
magnesium, phosphorus, alkaline phosphatase and  
25-hydroxyvitamin D concentrations in children.  
*S Afr Med J* 53(19):751-4, 13 May 78  
ADOLESCENCE/ ALKALINE PHOSPHATASE,  
blood/ CALCIUM, blood/ CHILD NUTRITION/  
CHILD/ CHILD, PRESCHOOL/ FEMALE/  
HUMAN/ HYDROXYCHOLECALCIFEROLS,  
blood/ INFANT/ MAGNESIUM, blood/ MALE/  
\*NUTRITION SURVEYS/ PHOSPHORUS, blood/  
SOUTH AFRICA
69. Petty BG: Pleural masses and the syndrome of inappropriate  
secretion of antidiuretic hormone [letter]  
*Am Rev Respir Dis* 118(3):627-8, Sep 78  
\*EMPHYSEMA, complications/ EMPHYSEMA,  
physiopathology/ HUMAN/ \*INAPPROPRIATE  
ADH SYNDROME, etiology/ INAPPROPRIATE  
ADH SYNDROME, physiopathology/ \*PLEURA,  
innervation/ \*PLEURAL EFFUSION, complications/  
PLEURAL EFFUSION, physiopathology/  
\*RECEPTORS, ADRENERGIC, physiology
70. Pevet P, Kuyper MA: The ultrastructure of pinealocytes in the  
golden mole (*Amblysomus hottentotus*) with special  
reference to the granular vesicles. *Cell Tissue Res*  
191(1):39-56, 13 Jul 78 (60 ref.)  
ANIMAL/ COMPARATIVE STUDY/  
CYTOPLASMIC GRANULES, metabolism/  
CYTOPLASMIC GRANULES, secretion/  
CYTOPLASMIC GRANULES, ultrastructure/  
FEMALE/ GLYCOGEN, metabolism/  
\*INSECTIVORA, anatomy & histology/ MALE/  
MAMMALS/ MICROSCOPY, ELECTRON/  
\*MOLES, anatomy & histology/ PINEAL BODY,  
metabolism/ PINEAL BODY, secretion/ \*PINEAL  
BODY, ultrastructure/ REVIEW/ SPECIES  
SPECIFICITY
71. Peyton JC, Borowitz JL: Effects of Ba<sup>2+</sup> and Cd<sup>2+</sup> on  
convulsive electroshock sensitivity and <sup>45</sup>Ca distribution in  
brain subcellular fractions in mice.  
*Toxicol Appl Pharmacol* 45(1):95-103, Jul 78  
ANIMAL/ \*BARIUM, pharmacodynamics/ BRAIN,  
drug effects/ \*BRAIN, metabolism/ BRAIN,  
ultrastructure/ \*CADMIUM, pharmacodynamics/  
\*CALCIUM, metabolism/ \*CONVULSIONS,  
physiopathology/ ELECTROSHOCK/ IN VITRO/  
MALE/ MICE/ SUBCELLULAR FRACTIONS,  
metabolism/ TIME FACTORS/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
72. Pfaffenberger CD, Horning EC: Additional data supporting sex  
differences in human urinary steroid metabolic profiles.  
*Anal Biochem* 88(2):689-94, 1 Aug 78  
ADULT/ ANDROSTERONE, urine/ CELL  
DIFFERENTIATION/ COMPARATIVE STUDY/  
ETIOCHOLANOLONE, urine/ FEMALE/ HUMAN/  
LIVER, cytology/ LIVER, metabolism/ MALE/  
MENOPAUSE/ MIDDLE AGE/ SEX FACTORS/  
\*STEROIDS, urine/ TESTOSTERONE  
5-ALPHA-REDUCTASE, metabolism/  
TETRAHYDROCORTISOL, analogs & derivatives/  
TETRAHYDROCORTISOL, urine/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
73. Pfueller SL, Firkin BG: Role of plasma proteins in the  
interaction of human platelets with particles. *Thromb Res*  
12(6):979-90, Jun 78  
BLOOD PLATELET DISORDERS, blood/ \*BLOOD  
PLATELETS, metabolism/ BLOOD PLATELETS,  
ultrastructure/ \*BLOOD PROTEINS, metabolism/  
CHYMOTRYPSIN, pharmacodynamics/  
FIBRINOGEN, metabolism/ HUMAN/ LATEX  
PARTICLES, pharmacodynamics/ PLATELET  
AGGREGATION, drug effects/ SEROTONIN,  
metabolism/ SERUM ALBUMIN, BOVINE,  
metabolism/ TIME FACTORS
3174. Phadke MA, Mutalik GS, Sainani GS, et al: A study of  
dwarfism with special reference to chromosomal aberrations.  
*Indian Pediatr* 15(5):409-12, May 78  
ADOLESCENCE/ CASE REPORT/ CHILD,  
PRESCHOOL/ \*CHROMOSOME ABERRATIONS/  
DWARFISM, complications/ \*DWARFISM, familial &  
genetic/ FEMALE/ HUMAN/ MALE/ TURNER'S  
SYNDROME, complications
3175. Phat VN, Chousterman M, Bloch F, et al: Lésions des plexus  
myentériques dans la pseudoobstruction intestinale chronique  
idiopathique et certaines maladies générales.  
*Ann Anat Pathol (Paris)* 23(2):131-42, 1978 (Eng. Abstr.)  
(Fre)  
ADULT/ AGED/ AMYLOIDOSIS, pathology/  
CHRONIC DISEASE/ DIABETES MELLITUS,  
pathology/ ENGLISH ABSTRACT/ FEMALE/  
HUMAN/ \*INTESTINAL OBSTRUCTION,  
pathology/ INTESTINES, pathology/ MALE/  
\*MYENTERIC PLEXUS, pathology/ MYXEDEMA,  
pathology/ SCLERODERMA, SYSTEMIC, pathology
3176. Philipp K, Leodolter S, Müller-Tyl E, et al: Zur Frage einer  
prophylaktischen Schwangerschaftsschutzmedikation bei  
Frauen mit erfolgreich behandelter Sterilität.  
*Wien Klin Wochenschr* 90(18):670-2, 29 Sep 78 (Eng. Abstr.)  
(Ger)  
\*ABORTION, THREATENED, prevention & control/  
CORPUS LUTEUM/ ENGLISH ABSTRACT/  
FEMALE/ HUMAN/ PREGNANCY/  
PROGESTATIONAL HORMONES, therapeutic use/  
STERILITY, FEMALE, complications/ STERILITY,  
FEMALE, drug therapy
3177. Philippu A: Central regulation of arterial blood pressure.  
*Clin Sci Mol Med* 48 Suppl 2:191s-194s, Jun 75  
\*ADRENERGIC ALPHA RECEPTOR  
BLOCKADERS, pharmacodynamics/ ANIMAL/  
\*BLOOD PRESSURE/ BLOOD PRESSURE, drug  
effects/ CATS/ CLONIDINE, pharmacodynamics/  
ELECTRIC STIMULATION/ \*GANGLIONIC  
STIMULANTS, pharmacodynamics/  
\*HEXAMETHONIUM COMPOUNDS,  
pharmacodynamics/ \*HYPOTHALAMUS, physiology/  
\*PARASYMPATHOMIMETICS, pharmacodynamics/  
PERFUSION
3178. Phillips AT, Egan RM, Lewis B: Control of biodegradative  
threonine dehydratase inducibility by cyclic AMP in  
energy-restricted *Escherichia coli*. *J Bacteriol* 135(3):828-40,  
Sep 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE/  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ AEROBIOSIS/ ANAEROBIOSIS/  
AZIDES, pharmacodynamics/  
BETA-GALACTOSIDASES, biosynthesis/  
CYANIDES, pharmacodynamics/ ENZYME  
INDUCTION/ \*ESCHERICHIA COLI, enzymology/  
PYRUVATES, pharmacodynamics/ \*THREONINE  
DEHYDRATASE, biosynthesis/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
3179. Phillips CA, Girit EZ, Kay JE: Changes in intracellular  
prostaglandin content during activation of lymphocytes by  
phytohaemagglutinin. *FEBS Lett* 94(1):115-9, 1 Oct 78  
ANIMAL/ ASPIRIN, pharmacodynamics/  
INDOMETHACIN, pharmacodynamics/  
\*LYMPHOCYTE TRANSFORMATION/  
LYMPHOCYTE TRANSFORMATION, drug effects/  
\*LYMPHOCYTES, metabolism/  
PHENYLBUTAZONE, pharmacodynamics/  
PHYTOHEMAGGLUTININS, pharmacodynamics/  
PROSTAGLANDIN SYNTHASE, antagonists &  
inhibitors/ PROSTAGLANDINS E, blood/  
PROSTAGLANDINS F, blood/  
\*PROSTAGLANDINS, blood/ SWINE
3180. Phoenix CH: Sexual behavior of laboratory- and wild-born  
male Rhesus monkeys. *Horm Behav* 10(2):178-92, Apr 78  
ANIMAL/ \*ANIMALS/ \*ANIMALS,  
LABORATORY/ \*ANIMALS, WILD/ FEMALE/



# AUTHOR SECTION

- \*MACACA/ MALE/ MONKEYS/ \*RHESUS MONKEYS/ \*SEX BEHAVIOR, ANIMAL/ TESTOSTERONE, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3181. Pierce HD Jr, Unrau AM, Oehlschlager AC: Investigation of polyene macrolide antibiotic-induced permeability changes in vesicles by <sup>31</sup>P nuclear magnetic resonance. *Can J Biochem* 56(8):801-7, Aug 78  
\*CELL MEMBRANE PERMEABILITY, drug effects/ CHOLESTEROL/ ERGOSTEROL/ \*MEMBRANES, ARTIFICIAL/ NUCLEAR MAGNETIC RESONANCE/ \*NYSTATIN, pharmacodynamics/ PRASEODYMIUM, metabolism/ \*STEROLS/ STRUCTURE-ACTIVITY RELATIONSHIP/ TEMPERATURE
3182. Pierides AM: Dialysis dementia, osteomalacic fractures and myopathy: a syndrome due to chronic aluminum intoxication [editorial] *Int J Artif Organs* 1(5):206-8, Sep 78  
\*ALUMINUM, poisoning/ \*FRACTURES, etiology/ \*HEMODIALYSIS, adverse effects/ HUMAN/ \*MUSCULAR DISEASES, etiology/ \*OSTEOMALACIA, etiology/ \*PSYCHOSES, TOXIC, etiology/ SYNDROME
3183. Pietrek J, Kokot F: 25-hydroksyvitamina D w przewleklych chorobach nerek. *Pol Arch Med Wewn* 59(6):633-9, Jun 78 (Eng. Abstr.) (Pol)  
CHRONIC DISEASE/ ENGLISH ABSTRACT/ HUMAN/ \*HYDROXYCHOLECALCIFEROLS, blood/ HYDROXYCHOLECALCIFEROLS, therapeutic use/ \*KIDNEY DISEASES, blood/ RENAL OSTEODYSTROPHY, prevention & control
3184. Pietrek J, Kokot F, Kuska J: Effects of  $\alpha$ -hydroxyvitamin D<sub>3</sub> on serum calcium and immunoreactive parathyroid hormone in patients with chronic renal insufficiency. *Int Urol Nephrol* 10(2):153-60, 1978  
ADOLESCENCE/ ADULT/ ALKALINE PHOSPHATASE, blood/ ANTIGENS/ \*CALCIUM, blood/ FEMALE/ HEMODIALYSIS/ HUMAN/ \*HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ HYDROXYCHOLECALCIFEROLS, therapeutic use/ HYPERPARATHYROIDISM, SECONDARY, drug therapy/ HYPERPARATHYROIDISM, SECONDARY, etiology/ KIDNEY FAILURE, CHRONIC, enzymology/ \*KIDNEY FAILURE, CHRONIC, metabolism/ MALE/ PARATHYROID HORMONE, immunology/ \*PARATHYROID HORMONE, metabolism/ PHOSPHATES, blood
3185. Pietrek J, Kokot F, Kuska J: Kinetics of serum 25-hydroxyvitamin D in patients with acute renal failure. *Am J Clin Nutr* 31(10):1919-26, Oct 78  
ADOLESCENCE/ ADULT/ AGED/ CALCIUM, blood/ CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT, blood/ FEMALE/ HUMAN/ \*HYDROXYCHOLECALCIFEROLS, blood/ \*KIDNEY FAILURE, ACUTE, blood/ MALE/ MIDDLE AGE/ PHOSPHATES, blood
3186. Pike JW, Spanos E, Colston KW, et al: Influence of estrogen on renal vitamin D hydroxylases and serum  $\alpha$ -25-(OH)<sub>2</sub>D<sub>3</sub> in chicks. *Am J Physiol* 235(3):E338-43, Sep 78  
ANIMAL/ CALCIUM, DIETARY, administration & dosage/ CHICKENS/ CHOLECALCIFEROLS/ DIETHYLSTILBESTROL, pharmacodynamics/ \*DIHYDROXYCHOLECALCIFEROLS, metabolism/ ESTRADIOL, pharmacodynamics/ \*ESTROGENS, pharmacodynamics/ FEMALE/ \*HYDROXYCHOLECALCIFEROLS, metabolism/ \*KIDNEY, enzymology/ MALE/ PROGESTERONE, pharmacodynamics/ \*STEROID HYDROXYLASES, metabolism/ TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*VITAMIN D, blood/ \*VITAMIN D, metabolism
3187. Piliavskaja LD, Buletsa BA, Pashchenko AE: Gipotalamo-tireoidnye narusheniia, preimushchestvenno infektsionnogo geneza. *Vrach Delo* (6):136-7, Jun 78 (Rus)  
CHRONIC DISEASE/ HUMAN/ \*HYPOTHALAMUS, physiopathology/ \*INFLUENZA, physiopathology/ IODINE, metabolism/ \*THYROID GLAND, physiopathology/ \*TONSILLITIS, physiopathology
3188. Pipkin FB, O'Brien PM: Effect of the specific angiotensin antagonist (Sar1) (Ala8) angiotensin II on blood pressure and the renin-angiotensin system in the conscious pregnant and fetus. *Am J Obstet Gynecol* 132(1):7-15, 1 Sep 78  
ALDOSTERONE, blood/ \*ANGIOTENSIN II, analogs & derivatives/ ANGIOTENSIN II, blood/ \*ANGIOTENSIN II, physiology/ ANIMAL/ \*BLOOD PRESSURE, drug effects/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ FETUS, physiology/ HEART RATE, effects/ PREGNANCY/ \*PREGNANCY, ANIMAL/ RENIN, blood/ \*RENIN, physiology/ \*SARALA pharmacodynamics/ SHEEP/ SODIUM CHLORIDE, pharmacodynamics
3189. Pirani BB, MacGillivray I: Smoking during pregnancy. effect on maternal metabolism and fetoplacental function. *Obstet Gynecol* 52(3):257-63, Sep 78  
ADOLESCENCE/ ADULT/ ALKALINE PHOSPHATASE, blood/ BIRTH WEIGHT/ BLOOD/ PROTEINS, metabolism/ BODY COMPOSITION/ BODY WATER/ CEPHALOMETRY/ FEMALE/ \*FETUS, physiology/ HUMAN/ \*PLACENTA, physiology/ PLASMA VOLUME/ \*PREGNANCY, SERUM ALBUMIN, metabolism/ SKULL, embryology/ \*SMOKING, complications/ ULTRASONICS, diagnostic use
3190. Pires WR, Castro AC, Passian S, et al: Feocromocytoma extra-supra-renal. *Rev Paul Med* 91(5-6):143-4, May 78 (Eng. Abstr.)  
ADULT/ AORTOGRAPHY/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ PHEOCHROMOCYTOMA, diagnosis/ \*PHEOCHROMOCYTOMA, pathology/ PHEOCHROMOCYTOMA, surgery/ VANILMANDELIC ACID, urine
3191. Pirke KM, Vogt HJ, Geiss M: In vitro and in vivo studies on Leydig cell function in old rats. *Acta Endocrinol (Copenh)* 89(2):393-403, Oct 78  
AGE FACTORS/ ANDROSTENEDIONE, biosynthesis/ ANIMAL/ CELL NUMBER/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ GONADOTROPINS, CHORIONIC, pharmacodynamics/ HYDROXYPROGESTERONE, biosynthesis/ LEYDIG CELLS, metabolism/ \*LEYDIG CELLS, physiology/ LH, blood/ MALE/ NADP, pharmacodynamics/ ORGAN WEIGHT, effects/ PREGNENOLONE, biosynthesis/ PROGESTERONE, biosynthesis/ RATS/ RECEPTORS, HORMONE, drug effects/ TESTOSTERONE, metabolism/ TESTOSTERONE, biosynthesis/ TESTOSTERONE, blood
3192. Pitts BJ, Tate CA, Van Winkle WB, et al: Palmitoylcarnitine inhibition of the calcium pump in cardiac sarcoplasmic reticulum: a possible role in myocardial ischemia. *Life Sci* 23(4):391-401, 24 Jul 78  
ADENOSINE TRIPHOSPHATASE, CALCIUM antagonists & inhibitors/ ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, antagonists & inhibitors/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ \*CALCIUM, metabolism/ \*CARNITINE, analogs & derivatives/ \*CORONARY DISEASE, metabolism/ DOGS/ IN VITRO/ \*MYOCARDIUM, metabolism/ MYOCARDIUM ultrastructure/ \*PALMITOYL CARNITINE, pharmacodynamics/ SARCOPLASMIC RETICULUM, drug effects/ \*SARCOPLASMIC RETICULUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3193. Pizer LI, Kim SU, Nystrom P, et al: Herpes simplex virus replication in pheochromocytoma cell line that responds to nerve growth factor. *Acta Neuropathol (Berl)* 44(1):9-13, Oct 78  
ANIMAL/ ANTIGENS, VIRAL, analysis/ CELL FUSION/ CELL LINE/ EXTRACELLULAR SPACE/ \*HERPESVIRUS HUMAN/ \*NEOPLASMS, EXPERIMENTAL/ \*NERVE GROWTH FACTOR/ \*PHEOCHROMOCYTOMA/ RABBITS/ RATS/ \*VIRUS REPLICATION
3194. Piziak VK, Sellman JE, Othmer E: Lithium and hypothyroidism. *J Clin Psychiatry* 39(9):709-11, Sep 78  
GOITER, chemically induced/ HUMAN/ \*HYPOTHYROIDISM, chemically induced/ HYPOTHYROIDISM, diagnosis/ HYPOTHYROIDISM, physiopathology/ \*LITHIUM, adverse effects/ THYROID FUNCTION TESTS, standards/ THYROTROPIN, blood



# AUTHOR SECTION

3195. Plaitakis A, Van Woert MH, Hwang EC, et al: The effect of acute thiamine deficiency on brain tryptophan, serotonin and 5-hydroxyindoleacetic acid. *J Neurochem* 31(4):1087-9, Oct 78  
ANIMAL/ \*BRAIN, metabolism/  
\*HYDROXYINDOLEACETIC ACID, metabolism/  
MALE/ PYRITHIAMINE, pharmacodynamics/  
RATS/ \*SEROTONIN, metabolism/ \*THIAMINE  
DEFICIENCY, metabolism/ \*TRYPTOPHAN,  
metabolism/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
3196. Plakhuta-Plakutina GI: Sostoianie spermatogeneza u krys, eksponirovannykh na biosputnike 'Kosmos-690'. *Kosm Biol Aviakosm Med* 12(5):26-31, Sep-Oct 78 (Eng. Abstr.) (Rus)  
ANIMAL/ DOSE-RESPONSE RELATIONSHIP,  
RADIATION/ ENGLISH ABSTRACT/ GAMMA  
RAYS, adverse effects/ MALE/ ORGAN WEIGHT,  
radiation effects/ RATS/ \*SPACE FLIGHT/  
\*SPERMATOGENESIS, radiation effects/ TESTIS,  
radiation effects/ TIME FACTORS/ USSR/  
WEIGHTLESSNESS, adverse effects
3197. Player TJ, Hultin HO: The effect of lipid peroxidation on the calcium-accumulating ability of the microsomal fraction isolated from chicken breast muscle. *Biochem J* 174(1):17-22, 15 Jul 78  
ADENOSINE TRIPHOSPHATASE, metabolism/  
ANIMAL/ \*CALCIUM, metabolism/ CHICKENS/  
ENZYME ACTIVATION, drug effects/ FEMALE/  
IN VITRO/ INTRACELLULAR MEMBRANES,  
metabolism/ \*LIPIDS, metabolism/ \*MICROSOMES,  
metabolism/ \*MUSCLES, metabolism/ MUSCLES,  
ultrastructure/ PHOSPHOLIPASE, metabolism/  
PHOSPHOLIPIDS, pharmacodynamics/  
TEMPERATURE
3198. Playne MJ, Echevarria MG, Megarritty RG: Release of nitrogen, sulphur, phosphorus, calcium, magnesium, potassium and sodium from four tropical hays during their digestion in nylon bags in the rumen. *J Sci Food Agric* 29(6):520-6, Jun 78  
ANIMAL/ CALCIUM, metabolism/ CATTLE/  
\*DIGESTION/ GRASSES/ MAGNESIUM,  
metabolism/ MALE/ NITROGEN, metabolism/  
NYLON/ PHOSPHORUS, metabolism/ \*PLANTS/  
POTASSIUM, metabolism/ \*RUMEN, metabolism/  
SODIUM, metabolism/ SULFUR, metabolism
3199. Plein JB: Update on agents for chronic hypertension. *Nurse Pract* 3(5):39, 43, 53, Sep-Oct 78  
\*ANTIHYPERTENSIVE AGENTS, therapeutic use/  
CHRONIC DISEASE/ CLONIDINE, therapeutic use/  
HUMAN/ \*HYPERTENSION, drug therapy/  
PARGYLINE, therapeutic use/ PATIENT CARE  
PLANNING/ RESERPINE, therapeutic use/  
SPIRONOLACTONE, therapeutic use
3200. Plekhova EI, Romacva VP: Osobennosti obmena serotoninina v dinamike menstrual'nogo tsikla u devushek-podrostkov. *Pediatr Akush Ginekol* (4):53-4, Jul-Aug 78 (Ukr)  
ADOLESCENCE/ FEMALE/ HUMAN/  
\*HYDROXYINDOLEACETIC ACID, urine/  
\*MENSTRUATION/ \*SEROTONIN, blood
3201. Pliska V, Rudinger J: Modes of inactivation of neurohypophysial hormones: significance of plasma disappearance rate for their physiological responses. *Clin Endocrinol (Oxf)* 5 Suppl:73S-84S, 1976  
ANIMAL/ DESMOPRESSIN, metabolism/  
DESMOPRESSIN, pharmacodynamics/ FEMALE/ IN  
VITRO/ MODELS, BIOLOGICAL/ \*OXYTOCIN,  
analogs & derivatives/ OXYTOCIN, blood/  
OXYTOCIN, metabolism/ OXYTOCIN,  
pharmacodynamics/ RATS/  
STRUCTURE-ACTIVITY RELATIONSHIP/  
UTERUS, drug effects
3202. Ploth DW, Dahlheim H, Schmidmeier E, et al: Tubuloglomerular feedback and autoregulation of glomerular filtration rate in Wistar-Kyoto spontaneously hypertensive rats. *Pfluegers Arch* 375(3):261-7, Aug 78  
ANGIOTENSIN II, metabolism/ ANIMAL/ \*BLOOD  
PRESSURE/ GLOMERULAR FILTRATION  
RATE/ \*HYPERTENSION, physiopathology/  
\*KIDNEY GLOMERULUS, physiopathology/  
\*KIDNEY TUBULES, physiopathology/ MALE/  
NEPHRONS, metabolism/ RATS/ RENIN, metabolism
3203. Podemski R, Sidorowicz W, Pacynska M: Niedoczynność tarczycy z encefalopatią i polineuropatią. *Pol Tyg Lek* 33(36):1421-2, 4 Sep 78 (Eng. Abstr.) (Pol)  
CASE REPORT/ ENGLISH ABSTRACT/  
FEMALE/ HUMAN/ \*HYPOTHYROIDISM,  
complications/ MIDDLE AGE/ \*MOVEMENT  
DISORDERS, complications/ \*PERIPHERAL  
NERVE DISEASES, complications/ SPEECH  
DISORDERS, complications
3204. Podoshin L, Gertner R, Fradis M, et al: Oral contraceptive pills and clinical otosclerosis. *Int J Gynaecol Obstet* 15(6):554-5, 1978  
ADOLESCENCE/ ADULT/ AUDIOMETRY/  
\*CONTRACEPTIVES, ORAL, adverse effects/  
CONTRACEPTIVES, ORAL, COMBINED, adverse  
effects/ CONTRACEPTIVES, ORAL,  
SEQUENTIAL, adverse effects/ FEMALE/ HUMAN/  
\*OTOSCLEROSIS, chemically induced
3205. Pohl W: Seltener Röntgenbefunde in der Differentialdiagnose ankylosierender Wirbelsäulensyndrome. *Verh Dtsch Ges Rheumatol* 5:416-8, 1978 (Ger)  
ADULT/ ANKYLOSIS/ ARTHRITIS, JUVENILE  
RHEUMATOID, diagnosis/ CHILD/ DIAGNOSIS,  
DIFFERENTIAL/ HUMAN/ OSTEOPOROSIS,  
diagnosis/ SPINAL DISEASES, diagnosis/ \*SPINAL  
DISEASES, radiography/ SPONDYLITIS,  
ANKYLOSING, diagnosis
3206. Poindexter AN, Ritter M: Functional and dysfunctional uterine bleeding. *Compr Ther* 4(8):32-7, Aug 78  
ADOLESCENCE/ ADULT/ ESTROGENS,  
physiology/ FEMALE/ HUMAN/ MENOPAUSE/  
\*MENSTRUATION/ MIDDLE AGE/  
PROGESTERONE, physiology/ PUBERTY/  
\*UTERINE HEMORRHAGE, etiology/ UTERINE  
HEMORRHAGE, physiopathology/ \*UTERINE  
HEMORRHAGE, therapy
3207. Pollard H, Llorens-Cortes C, Barbin G, et al: Histamine and histidine decarboxylase in brain stem nuclei: distribution and decrease after lesions. *Brain Res* 157(1):178-81, 17 Nov 78  
ANIMAL/ \*BRAIN MAPPING/ \*BRAIN STEM,  
enzymology/ \*CARBOXY-LYASES, metabolism/  
DOPA DECARBOXYLASE, metabolism/  
DOPAMINE, metabolism/ \*HISTAMINE, metabolism/  
\*HISTIDINE DECARBOXYLASE, metabolism/  
HYPOTHALAMUS, physiology/ MALE/  
MESENCEPHALON, enzymology/ NERVE  
DEGENERATION/ NEURAL PATHWAYS,  
physiology/ RATS
3208. Pollard HB, Pazoles CJ, Creutz CE, et al: A role for anion transport in the regulation of release from chromaffin granules and exocytosis from cells. *J Supramol Struct* 7(3-4):277-85, 1977  
BINDING, COMPETITIVE, drug effects/  
BIOLOGICAL TRANSPORT, ACTIVE, drug effects/  
BLOOD PLATELETS, secretion/ \*CHROMAFFIN  
GRANULES, secretion/ \*CHROMAFFIN SYSTEM,  
secretion/ \*EPINEPHRINE, secretion/  
\*EXOCYTOSIS/ EXOCYTOSIS, drug effects/  
\*HYDROXIDES, metabolism/ IN VITRO/  
ISETHIONIC ACID, pharmacodynamics/  
PARATHYROID GLANDS, secretion/  
PARATHYROID HORMONE, secretion/  
PROBENECID, pharmacodynamics/ SEROTONIN,  
secretion/ STILBENES, pharmacodynamics/  
SURAMIN, pharmacodynamics
3209. Polo G, Ramos A: Rotura traumática de testículo. *Actas Urol Esp* 2(4):189-92, Jul-Aug 78 (Eng. Abstr.) (Spa)  
ADOLESCENCE/ ADULT/ CASE REPORT/  
ENGLISH ABSTRACT/ HUMAN/ MALE/  
MIDDLE AGE/ RUPTURE/ \*TESTIS, injuries/  
TESTIS, surgery
3210. Pomerantz K, Sintetos A, Ramwell P: The effect of prostacyclin on the human umbilical artery. *Prostaglandins* 15(6):1035-44, Jun 78  
BUFFERS/ COMPARATIVE STUDY/  
DOSE-RESPONSE RELATIONSHIP, DRUG/  
FEMALE/ HUMAN/ MUSCLE CONTRACTION,  
drug effects/ MUSCLE, SMOOTH, drug effects/  
PREGNANCY/ PROSTAGLANDINS X,  
administration & dosage/ \*PROSTAGLANDINS X,  
pharmacodynamics/ \*PROSTAGLANDINS,  
pharmacodynamics/ SEROTONIN,  
pharmacodynamics/ \*UMBILICAL ARTERIES, drug  
effects/ UNITED STATES GOV'T SUPPORTED,  
P.H.S.



# AUTHOR SECTION

3211. Popescu HI: Endocrine effects of cranial irradiation [letter]  
N Engl J Med 299(14):776, 5 Oct 78  
ANIMAL/ \*BRAIN, radiation effects/  
GONADOTROPINS, PITUITARY, urine/ HUMAN/  
\*HYPOTHALAMO-HYPOPHYSAL SYSTEM,  
radiation effects/ RATS
3212. Popovichenko NV: Rol'tsentral'nykh monoaminergicheskikh  
struktur golovnogogo mozga v regulatsii funktsii  
supraoptiko-gipofizarnoi neirosekretornoj sistemy.  
Fiziol Zh 24(5):641-50, Sep-Oct 78 (67 ref.) (Eng. Abstr.)  
(Rus)  
ANIMAL/ \*BIOGENIC AMINES, physiology/  
BRAIN MAPPING/ CORPUS STRIATUM,  
physiology/ ENGLISH ABSTRACT/  
\*HYPOTHALAMO-HYPOPHYSAL SYSTEM,  
physiology/ LOCUS COERULEUS, physiology/  
MEDIAN FOREBRAIN BUNDLE, physiology/  
NEURAL PATHWAYS, physiology/  
NOREPINEPHRINE, physiology/ PONS, physiology/  
RATS/ RECEPTORS, ADRENERGIC, ALPHA,  
physiology/ RECEPTORS, ADRENERGIC, BETA,  
physiology/ REVIEW/ STRESS, physiopathology/  
SUPRAOPTIC NUCLEUS, physiology/  
TEGMENTUM MESENCEPHALI, physiology/  
VASOPRESSINS, secretion
3213. Popovici D, Buteikis A, Handoca A, et al: Cardiovascular  
pathology in acromegaly and some effects of the 90 yttrium  
implant in the hypophysis. Endocrinologie 16(3):223-8,  
Jul-Sep 78  
\*ACROMEGALY, complications/ ACROMEGALY,  
radiotherapy/ ARRHYTHMIA, etiology/  
CORONARY DISEASE, etiology/ \*HEART  
DISEASES, etiology/ HUMAN/ \*HYPERTENSION,  
etiology/ \*PITUITARY IRRADIATION/  
\*YTTRIUM RADIOISOTOPES, therapeutic use
3214. Porter GS, Wambo JM, Wiland OK: The fountain of youth  
or where is the estrogen coming from.  
J Indiana State Med Assoc 71(10):997-8, Oct 78  
CASE REPORT/ \*ESTROGENS, secretion/  
FEMALE/ \*GYNDROBLASTOMA, diagnosis/  
GYNDROBLASTOMA, secretion/ HUMAN/  
\*MENOPAUSE/ MIDDLE AGE/ \*OVARIAN  
NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS,  
secretion
3215. Post S, Mai JK: Evidence for amygdaloid projections to the  
contralateral hypothalamus and the ipsilateral midbrain in  
the rat. Cell Tissue Res 191(1):183-6, 13 Jul 78  
\*AMYGDALOID BODY, anatomy & histology/  
AMYGDALOID BODY, physiology/ ANIMAL/  
AUTORADIOGRAPHY/ \*HYPOTHALAMUS,  
anatomy & histology/ HYPOTHALAMUS, physiology/  
\*MESENCEPHALON, anatomy & histology/  
MESENCEPHALON, physiology/ NOCICEPTORS,  
physiology/ RATS
3216. Potokar M, Schmidt-Dunker M: The inhibitory effect of new  
diphosphonic acids on aortic and kidney calcification in vivo.  
Atherosclerosis 30(4):313-20, Aug 78  
ANIMAL/ \*AORTA, drug effects/  
\*CALCIFICATION, PHYSIOLOGIC, drug effects/  
\*DIPHOSPHONATES, pharmacodynamics/  
DOSE-RESPONSE RELATIONSHIP, DRUG/  
FEMALE/ HYDROXYAPATITES/ \*KIDNEY, drug  
effects/ RATS/ VITAMIN D, pharmacodynamics
3217. Potter RL, Stafford PH, Taylor S: Regulatory subunit of cyclic  
AMP-dependent protein kinase I from porcine skeletal  
muscle: purification and proteolysis.  
Arch Biochem Biophys 190(1):174-80, Sep 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
pharmacodynamics/ AMINO ACIDS, analysis/  
ANIMAL/ MACROMOLECULAR SYSTEMS/  
MOLECULAR WEIGHT/ \*MUSCLES, enzymology/  
\*PROTEIN KINASE, isolation & purification/  
PROTEIN KINASE, metabolism/ SWINE/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
3218. Potts JT Jr: Chemistry and physiology of parathyroid  
hormone. Clin Endocrinol (Oxf) 5 Suppl:307S-315S, 1976  
(43 ref.)  
AMINO ACID SEQUENCE/ ANIMAL/  
CHEMISTRY/ HUMAN/ PARATHYROID  
HORMONE, biosynthesis/ PARATHYROID  
HORMONE, metabolism/ \*PARATHYROID  
HORMONE, physiology/ PEPTIDE CHAIN  
INITIATION/ REVIEW/ TRANSLATION,  
GENETIC
3219. Poulou KP, Rao KJ, Nagesh K, et al: Hypothyroidism in  
from status epilepticus precipitated by persistent  
hyponatremia. J Kans Med Soc 79(10):568-9, Oct 78  
CASE REPORT/ COMA, complications/ HUMAN/  
\*HYPONATREMIA, complications/  
HYPONATREMIA, etiology/ \*HYPOTHYROID  
etiology/ MALE/ MIDDLE AGE/ \*STATUS  
EPILEPTICUS, complications
3220. Poulsen HS: Absence of association between  
oestrogen-receptor content and in vitro oestrogen sensi-  
tivity in human breast cancer.  
Acta Pathol Microbiol Scand [A] 86(2):169-72, Mar 78  
\*BREAST NEOPLASMS, metabolism/ CELLS,  
CULTURED/ ESTRADIOL, pharmacodynamics/  
FEMALE/ HUMAN/ IN VITRO/ \*RECEPTOR  
ESTROGEN, metabolism/ TISSUE DISTRIBUTION
3221. Pour P, Salmasizadeh S: Induction of thyroid follicular  
adenomas and carcinomas by  
N-nitrosobis(2-oxopropyl)amine. Cancer Lett 5(1):13-8,  
78  
\*ADENOCARCINOMA, chemically induced/  
ADENOCARCINOMA, pathology/ \*ADENOMA,  
chemically induced/ ANIMAL/ FEMALE/ MALE/  
NEOPLASMS, EXPERIMENTAL, chemically  
induced/ NITROSAMINES, administration & dose/  
\*NITROSAMINES, toxicity/ RATS/ SEX  
FACTORS/ \*THYROID NEOPLASMS, chemically  
induced/ THYROID NEOPLASMS, pathology/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
3222. Poutrel B, Lerondelle C: Induced staphylococcal infection  
of the bovine mammary gland. Influence of the month of  
lactation and other factors related to the cow.  
Ann Rech Vet 9(1):119-28, 1978  
ANIMAL/ CATTLE/ FEMALE/ \*LACTATION  
MAMMAE, microbiology/ MASTITIS, BOVINE,  
microbiology/ \*MASTITIS, BOVINE,  
physiopathology/ \*SEASONS/ SPECIES  
SPECIFICITY/ STAPHYLOCOCCAL  
INFECTIONS, physiopathology/  
\*STAPHYLOCOCCAL INFECTIONS, veterinary/  
STAPHYLOCOCCUS AUREUS, pathogenicity
3223. Powell WS: omega-Oxidation of prostaglandins by lung  
liver microsomes. Changes in enzyme activity induced  
by pregnancy, pseudopregnancy, and progesterone treatment.  
J Biol Chem 253(19):6711-6, 10 Oct 78  
ANIMAL/ ANIMALS, NEWBORN/ FEMALE/  
KINETICS/ \*LUNG, metabolism/ MICROSOMES,  
drug effects/ \*MICROSOMES, metabolism/  
\*MICROSOMES, LIVER, metabolism/  
OXIDATION-REDUCTION/ PREGNANCY/  
\*PREGNANCY, ANIMAL/ PREGNANCY,  
ANIMAL, drug effects/ \*PROGESTERONE,  
pharmacodynamics/ \*PROSTAGLANDINS F,  
metabolism/ \*PSEUDOPREGNANCY, metabolism/  
RABBITS
3224. Powley TL, MacFarlane BA, Markell MS, et al: Differ-  
ent effects of vagotomy and atropine on hypothalamic  
stimulation-induced feeding. Behav Biol 23(3):306-25, 1978  
ANIMAL/ \*ATROPINE, pharmacodynamics/  
\*EATING, drug effects/ ELECTRIC  
STIMULATION/ FEMALE/ \*HYPOTHALAMUS,  
physiology/ MALE/ NEURAL PATHWAYS,  
physiology/ RATS/ SELF STIMULATION, drug  
effects/ SELF STIMULATION, physiology/ UNITED  
STATES GOV'T SUPPORTED/ UNITED STATES  
GOV'T SUPPORTED, P.H.S./ VAGOTOMY/  
\*VAGUS NERVE, physiology
3225. Prager P, Singer R, Ritz E, et al: Diagnostischer Stellen-  
wert der Lamina dura dentium beim sekundären  
Hyperparathyreoidismus. ROFO 129(2):237-40, Aug 78  
(Eng. Abstr.)  
ADULT/ ALVEOLAR PROCESS, pathology/  
ALVEOLAR PROCESS, radiography/ \*BONE  
RESORPTION, radiography/ ENGLISH  
ABSTRACT/ FEMALE/ FINGERS, radiography/  
HUMAN/ HYPERPARATHYROIDISM, etiology/  
\*HYPERPARATHYROIDISM, radiography/  
KIDNEY FAILURE, CHRONIC, complications/  
MALE/ MIDDLE AGE/ \*PERIODONTIUM,  
radiography/ TOOTH, radiography
3226. Pranchev N: Opređeliane chuvstvitelnostta na  
oksitotskin-sensitivniia test na Smit chrez monitorno  
proslediavane pri sluchai s khronologichno prenosna  
bremennost sus i bez prilozheni medikatsii.



## AUTHOR SECTION

- Akush Ginekol (Sofia) 17(4):244-7, 1978 (Eng. Abstr.)  
(Bul)  
DRUG INTERACTIONS/ ENGLISH ABSTRACT/  
FEMALE/ \*FETAL MONITORING/ HUMAN/  
\*OXYTOCIN, diagnostic use/ \*PREGNANCY  
COMPLICATIONS, diagnosis/ PREGNANCY/  
\*PREGNANCY, PROLONGED/ PREGNANCY,  
PROLONGED, drug effects/ TIME FACTORS/  
UTERUS, drug effects
3227. Prange AJ Jr, Nemeroff CB, Loosen PT, et al:  
Pharmaco-behavioral effects of oligopeptides endogenous to  
brain. Psychopharmacol Bull 14(4):20-3, Oct 78  
ANIMAL/ BEHAVIOR, ANIMAL, drug effects/  
\*BRAIN, drug effects/ HUMAN/ MICE/  
NEUROTENSIN, pharmacodynamics/  
\*OLIGOPEPTIDES, pharmacodynamics/  
THYROTROPIN RELEASING HORMONE,  
pharmacodynamics
3228. Prasad R, Kaufman RH, Prasad N: Effect of maternal alcohol  
exposure on fetal ovarian lactate dehydrogenase.  
Obstet Gynecol 52(3):318-20, Sep 78  
\*ALCOHOL, ETHYL, adverse effects/ ANIMAL/  
DIETHYLSTILBESTROL, adverse effects/  
ELECTROPHORESIS/ FEMALE/ \*LACTATE  
DEHYDROGENASE, metabolism/ MALE/  
MATERNAL-FETAL EXCHANGE/ MICE/ MICE,  
INBRED BALB C/ OVARY, embryology/ \*OVARY,  
enzymology/ PREGNANCY/ TESTIS, embryology/  
TESTIS, enzymology
3229. Prema K, Philips FS: Clinical trials with injectable  
contraceptives. J Obstet Gynaecol India 28(1):107-10, Feb  
78  
ADULT/ BIOPSY/ \*CONTRACEPTIVE AGENTS,  
administration & dosage/ DOSE-RESPONSE  
RELATIONSHIP, DRUG/ DRUG EVALUATION/  
ENDOMETRIUM, pathology/ ESTRADIOL,  
administration & dosage/ FEMALE/ HUMAN/  
INJECTIONS, INTRAVENOUS/  
MENSTRUATION, drug effects/ PREGNANCY/  
PROGESTERONE, administration & dosage
3230. Presant CA, Klahr C: Adriamycin, 1,3-bis (2-chloroethyl) 1  
nitrosourea (BCNU, NSC No. 409962), cyclophosphamide  
plus prednisone (ABC-P) in melphalan-resistant multiple  
myeloma. Cancer 42(3):1222-7, Sep 78  
AGED/ ANTINEOPLASTIC AGENTS, adverse  
effects/ \*ANTINEOPLASTIC AGENTS, therapeutic  
use/ BONE MARROW, drug effects/ CARMUSTINE,  
therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic  
use/ DOXORUBICIN, therapeutic use/ DRUG  
RESISTANCE/ DRUG THERAPY,  
COMBINATION/ FEMALE/ HUMAN/ MALE/  
MELPHALAN, therapeutic use/ MIDDLE AGE/  
MULTIPLE MYELOMA, analysis/ \*MULTIPLE  
MYELOMA, drug therapy/ MYELOMA PROTEINS,  
analysis/ PREDNISONE, therapeutic use/  
REMSSION/ TIME FACTORS/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
3231. Presbury DG, Young CN: Trichophyton ajelloi isolated from  
a child. Sabouraudia 16(3):233-5, Sep 78  
CASE REPORT/ CHILD, PRESCHOOL/  
CORTISONE, therapeutic use/ HUMAN/ MALE/  
\*TINEA/ TINEA, drug therapy/ TINEA,  
microbiology/ TINEA, pathology/ TRICHOPHYTON,  
pathogenicity
3232. Prescott RJ, Miller WR, Hamilton T: Urinary etiocholanolone  
and prognosis in early carcinoma of the breast.  
J Surg Oncol 10(4):347-51, 1978  
BREAST NEOPLASMS, mortality/ BREAST  
NEOPLASMS, surgery/ \*BREAST NEOPLASMS,  
urine/ CARCINOMA, mortality/ CARCINOMA,  
surgery/ \*CARCINOMA, urine/  
\*ETIOCHOLANOLONE, urine/ FEMALE/  
HUMAN/ \*MASTECTOMY/ MENOPAUSE/  
NEOPLASM STAGING/ PROGNOSIS
3233. Presl J: Ovulace a sexuální chování u primátů.  
Cesk Gynecol 43(8):624-5, Sep 78 (Cze)  
ANIMAL/ APES/ FEMALE/ HUMAN/ MALE/  
MONKEYS/ \*OVULATION/ \*PRIMATES,  
physiology/ \*SEX BEHAVIOR/ SEX BEHAVIOR,  
ANIMAL
3234. Price MT, Olney JW, Cicero TJ: Acute elevations of serum  
luteinizing hormone induced by kainic acid, N-methyl  
aspartic acid or homocysteic acid. Neuroendocrinology  
26(6):352-8, 1978  
ANIMAL/ \*ASPARTIC ACID, analogs & derivatives/  
ASPARTIC ACID, pharmacodynamics/  
\*HOMOCYSTEINE, analogs & derivatives/  
HOMOCYSTEINE, pharmacodynamics/  
HYPOTHALAMUS, drug effects/  
HYPOTHALAMUS, pathology/ \*KAINIC ACID,  
pharmacodynamics/ KINETICS/ \*LH, blood/ MALE/  
\*PYRROLIDINES, pharmacodynamics/ RATS/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
3235. Price P, Debono A, Parkes JD, et al: Plasma bromocriptine  
levels, clinical and growth hormone responses in  
Parkinsonism. Br J Clin Pharmacol 6(4):303-9, Oct 78  
AGED/ BLOOD PRESSURE, drug effects/  
CLINICAL RESEARCH/ FEMALE/ HUMAN/  
MALE/ METOCLOPRAMIDE, pharmacodynamics/  
MIDDLE AGE/ NAUSEA, chemically induced/  
PARKINSON DISEASE, blood/ \*PARKINSON  
DISEASE, drug therapy/ \*SOMATOTROPIN, blood/  
TIME FACTORS/ VOMITING, chemically induced/  
2-BROMOERGOCRYPTINE, adverse effects/  
2-BROMOERGOCRYPTINE, blood/  
2-BROMOERGOCRYPTINE, therapeutic use
3236. Price TR, Beisswenger PJ: Persistent lithium-induced  
nephrogenic diabetes insipidus [letter] Am J Psychiatry  
135(10):1247-8, Oct 78  
\*DIABETES INSIPIDUS, chemically induced/  
HUMAN/ \*LITHIUM, adverse effects
3237. Priestnall R, Pilkington G, Moffat G: Personality and the use  
of oral contraceptives in British university students.  
Soc Sci Med 12(5A):403-7, Sep 78  
ADOLESCENCE/ ADULT/ \*CONTRACEPTIVES,  
ORAL/ ENGLAND/ EXTRAVERSION  
(PSYCHOLOGY)/ FEMALE/ GENDER  
IDENTITY/ HUMAN/ NEUROSES, psychology/  
\*PERSONALITY INVENTORY/ RELIGION AND  
PSYCHOLOGY
3238. Prinz RA, Petrone S, Smith M, et al: Successful canine adrenal  
autotransplantation. J Surg Res 25(3):217-21, Sep 78  
\*ADRENAL GLANDS, transplantation/  
ADRENALECTOMY/ ANIMAL/  
CORTICOTROPIN, administration & dosage/  
COSYNTROPIN, administration & dosage/ DOGS/  
FEMALE/ HYDROCORTISONE, blood/ OVARY,  
transplantation/ TRANSPLANTATION,  
AUTOLOGOUS/ UNITED STATES GOV'T  
SUPPORTED
3239. Priola DV, O'Brien WJ, Anagnostis C: Chromaffin cell  
participation in the intrinsic neural regulation of the heart.  
Proc West Pharmacol Soc 21:117-22, 1978  
ACETYLCHOLINE, pharmacodynamics/ ANIMAL/  
ATROPINE, pharmacodynamics/ \*CHROMAFFIN  
SYSTEM, cytology/ CHROMAFFIN SYSTEM, drug  
effects/ CHROMAFFIN SYSTEM, physiology/  
DOGS/ HEART RATE, drug effects/ \*HEART,  
innervation/ HYDROXYDOPAMINE,  
pharmacodynamics/ MYOCARDIAL  
CONTRACTION, drug effects/ NICOTINE,  
pharmacodynamics/ PARASYMPATHETIC  
NERVOUS SYSTEM, drug effects/ SYMPATHETIC  
NERVOUS SYSTEM, drug effects
3240. Probst KJ, Baacke M: Computerinsatz in der  
Röntgenstereophotogrammetrie bei orthopädischen  
Fragestellungen. Methods Inf Med [Suppl] 11:564-80, 1978  
(Ger)  
\*BONE AND BONES, radiography/ \*COMPUTERS/  
HUMAN/ JOINT PROSTHESIS/ ORTHOPEDICS/  
OSTEOTOMY/ \*PHOTOGRAMMETRY/  
\*PHOTOGRAPHY
3241. Prokudina EA: Izuchenie chuvstvitel'nosti gipotalamusa k  
kortikosteroidam v otdalennyi period posle obluchenii.  
Radiobiologiya 18(4):624-7, Jul-Aug 78 (Eng. Abstr.) (Rus)  
\*ADRENAL CORTEX HORMONES,  
pharmacodynamics/ ANIMAL/ CORTICOSTERONE,  
blood/ DEXAMETHASONE, pharmacodynamics/  
ENGLISH ABSTRACT/ HYPOTHALAMUS, drug  
effects/ \*HYPOTHALAMUS, radiation effects/  
MALE/ RATS/ TIME FACTORS/ X-RAYS
3242. Prosnitz LR, Montalvo RL: The therapy of Hodgkin's  
disease—1978: a combined modality approach.  
Prog Clin Cancer 7:97-112, 1978 (62 ref.)  
ANTINEOPLASTIC AGENTS, therapeutic use/  
BONE MARROW, radiation effects/ ENDOCRINE

# AUTHOR SECTION

- GLANDS, radiation effects/ FEMALE/ GROWTH DISORDERS, etiology/ HODGKIN'S DISEASE, pathology/ \*HODGKIN'S DISEASE, therapy/ HUMAN/ MALE/ MYELITIS, TRANSVERSE, etiology/ NEOPLASM STAGING/ NEOPLASMS, MULTIPLE PRIMARY, etiology/ NEOPLASMS, RADIATION-INDUCED, etiology/ NERVOUS SYSTEM, radiation effects/ PERICARDITIS, etiology/ PNEUMONIA, etiology/ RADIATION INJURIES, etiology/ REVIEW/ STERILITY, etiology
3243. Prout GR Jr: Genitourinary disorders. *Compr Ther* 4(8):5-9, Aug 78  
BLADDER NEOPLASMS, therapy/ FEMALE/ HUMAN/ MALE/ PROSTATIC NEOPLASMS, therapy/ TESTICULAR NEOPLASMS, therapy/ URODYNAMICS/ \*UROGENITAL NEOPLASMS/ \*UROLOGIC DISEASES
3244. Proye C, Scherpereel P, Cecat P, et al: Les formes toxiques d'hypercalcémies hyperparathyroïdiennes. *Anesth Analg (Paris)* 35(2):333-8, Mar-Apr 78 (Fre)  
ADOLESCENCE/ AGED/ CASE REPORT/ GASTROINTESTINAL DISEASES, etiology/ HUMAN/ HYPERCALCEMIA, complications/ HYPERCALCEMIA, diagnosis/ \*HYPERCALCEMIA, etiology/ \*HYPERPARATHYROIDISM, complications/ MALE/ PATIENT CARE PLANNING/ POLYURIA, etiology/ WATER-ELECTROLYTE IMBALANCE, etiology
3245. Proye C, Scherpereel P, Sonnenfeld H: Problèmes d'anesthésie. Réanimation posés par la chirurgie cortico-surrénalienne. *Anesth Analg (Paris)* 35(2):251-62, Mar-Apr 78 (Fre)  
ADOLESCENCE/ ADRENAL CORTEX DISEASES, complications/ \*ADRENAL CORTEX DISEASES, surgery/ ADRENAL GLAND HYPOFUNCTION, etiology/ \*ADRENALECTOMY/ ADULT/ \*ANESTHESIA, GENERAL/ CHILD/ \*CRITICAL CARE/ CUSHING'S SYNDROME, complications/ DIABETES MELLITUS, etiology/ FEMALE/ HUMAN/ HYPERTENSION, etiology/ MALE/ MIDDLE AGE/ OBESITY, etiology/ PATIENT CARE PLANNING/ POSTOPERATIVE CARE/ POSTOPERATIVE COMPLICATIONS, therapy/ WATER-ELECTROLYTE IMBALANCE, etiology
3246. Pruett KA: Oophorectomy without hysterectomy [letter] *JAMA* 240(16):1715-6, 13 Oct 78  
\*BREAST NEOPLASMS, therapy/ CASE REPORT/ \*CASTRATION/ FEMALE/ HUMAN/ HYSTERECTOMY/ MENOPAUSE/ MIDDLE AGE
3247. Przewłocki R, Höllt V, Herz A: Release of beta-endorphin from rat pituitary in vitro. *Eur J Pharmacol* 51(2):179-83, 15 Sep 78  
ANIMAL/ CALCIUM, physiology/ ENDORPHINS, immunology/ \*ENDORPHINS, metabolism/ IN VITRO/ MALE/ \*PITUITARY GLAND, metabolism/ POTASSIUM, pharmacodynamics/ RABBITS, immunology/ RADIOIMMUNOASSAY/ RATS
3248. Przybyszowski A, Lejman W: Powikłania po adrenalectomii. *Pol Przegl Chir* 50(5):363-8, May 78 (Eng. Abstr.) (Pol)  
\*ADRENALECTOMY/ ADRENALECTOMY, adverse effects/ CUSHING'S SYNDROME, therapy/ ENGLISH ABSTRACT/ HUMAN/ \*POSTOPERATIVE COMPLICATIONS
3249. Publicover SJ, Duncan CJ, Smith JL: The use of A23187 to demonstrate the role of intracellular calcium in causing ultrastructural damage in mammalian muscle. *J Neuropathol Exp Neurol* 37(5):554-7, Sep 78  
\*A-23187/ ANIMAL/ \*ANTIBIOTICS/ \*CALCIUM, metabolism/ COMPARATIVE STUDY/ MICE/ MICROSCOPY, ELECTRON/ MITOCHONDRIA, MUSCLE, ultrastructure/ \*MUSCLES, ultrastructure/ \*MUSCULAR DISEASES, chemically induced/ MUSCULAR DISEASES, pathology/ MYOFIBRILS, ultrastructure/ ORGANOIDES, metabolism/ SARCOPLASMIC RETICULUM, pathology/ TIME FACTORS
3250. Puchalski Z: Radiokompetencyjna ocena kortyzolu i parametrów wiązania z białkami osocza w przebiegu chirurgicznego leczenia wola nadczynnego. *Rocz Akad Med Białymstoku* 22:108-40, 1977 (Eng. Abstr.) (Pol)
- ADOLESCENCE/ ADRENAL CORTEX, physiopathology/ ADULT/ \*BLOOD PROTEIN, metabolism/ ENGLISH ABSTRACT/ FEMALE/ GOITER, blood/ GOITER, physiopathology/ \*GOITER, surgery/ HUMAN/ \*HYDROCORTISONE, blood/ HYDROCORTISONE, metabolism/ MALE/ MIDDLE AGE
3251. Puche Cañas E, García Morillas M, Mundo Salvador A, et al: Estudio comparativo de la cardiotoxicidad inducida por maprotilina y la imipramina in vitro: Mecanismo de acción. *Arch Farmacol Toxicol* 4(1):50-9, Apr 78 (Eng. Abstr.)  
ANIMAL/ \*ANTHRACENES, adverse effects/ CALCIUM, metabolism/ CELL MEMBRANE, drug effects/ CELL MEMBRANE, metabolism/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ \*HEART CONDUCTION SYSTEM, drug effects/ HEART RATE, drug effects/ \*IMIPRAMINE, adverse effects/ IMIPRAMINE, pharmacodynamics/ IN VITRO/ \*MAPROTILINE, adverse effects/ MAPROTILINE, pharmacodynamics/ MYOCARDIAL CONTRACTION, drug effects/ MYOCARDIUM, metabolism/ MYOCARDIUM, ultrastructure/ POTASSIUM, metabolism/ RATS
3252. Puett D, Kenner A, Benveniste R, et al: Characterization of the human chorionic gonadotrophin fractions in pregnancy urine. *Acta Endocrinol (Copenh)* 89(3):612-24, Nov 78  
AMINO ACIDS, analysis/ BIOLOGICAL ASSAYS/ CHROMATOGRAPHY, GEL/ CHROMATOGRAPHY, ION EXCHANGE/ ELECTROPHORESIS, POLYACRYLAMIDE GEL/ FEMALE/ \*GONADOTROPINS, CHORIONIC, analysis/ GONADOTROPINS, CHORIONIC, isolation & purification/ GONADOTROPINS, CHORIONIC, urine/ HUMAN/ \*PREGNANCY/ RADIOIMMUNOASSAY/ RADIOIMMUNOASSAY/ UNITED STATES GOVT SUPPORT P.H.S.
3253. Puig-Antich J, Greenhill LL, Sassini J, et al: Growth hormone, prolactin and cortisol responses and growth patterns in hyperkinetic children treated with dextro-amphetamine. Preliminary findings. *J Am Acad Child Psychiatry* 17(3):457-75, Summer 78  
CHILD/ DEXTROAMPHETAMINE, pharmacodynamics/ \*DEXTROAMPHETAMINE, therapeutic use/ \*GROWTH, drug effects/ HUMAN/ \*HYDROCORTISONE, secretion/ \*HYPERKINETIC, drug therapy/ MALE/ \*PROLACTIN, secretion/ \*SOMATOTROPIN, secretion/ UNITED STATES GOVT SUPPORTED, P.H.S.
3254. Pulido OM, Bencosme SA, de Bold ML, et al: Intracellular release of pancreatic B cell serotonin and the dynamics of insulin release. *Diabetologia* 15(3):197-204, Sep 78  
ANIMAL/ FLUORESCENCE/ GLUCOSE, pharmacodynamics/ HYDROXYTRYPTOPHAN, pharmacodynamics/ \*INSULIN, secretion/ ISLANDS OF LANGERHANS, drug effects/ \*ISLANDS OF LANGERHANS, secretion/ MALE/ NIALAMIDE, pharmacodynamics/ RATS/ \*SEROTONIN, physiology/ TOLBUTAMIDE, pharmacodynamics
3255. Pumarino H, Michelsen H, Contreras P, et al: Factores endocrinos extragonadales en esterilidad e infertilidad. *Rev Chil Obstet Ginecol* 42(4):209-26, 1977  
\*ENDOCRINE DISEASES, complications/ ENDOCRINE DISEASES, physiopathology/ FEMALE/ HUMAN/ \*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MALE/ \*PITUITARY-ADRENAL SYSTEM, physiopathology/ PREGNANCY/ STERILITY, FEMALE, etiology/ \*STERILITY, FEMALE, physiopathology
3256. Pupek-Musialik D, Jurczykowski TW: Obraz radiologiczny układu kostnego oraz zmiany biochemiczne u chorych przewlekłe leczonych dwufenylohydantoiną. *Pol Przegl Radiol* 42(2):139-43, Mar-Apr 78 (Eng. Abstr.)  
ADOLESCENCE/ ADULT/ ENGLISH ABSTRACT/ EPILEPSY, drug therapy/ FEMALE/ HUMAN/ MALE/ MICROSOMES, LIVER, drug effects/ MIDDLE AGE/ OSTEOMALACIA, chemically induced/ \*OSTEOMALACIA, radiography/ \*PHENYTOIN, adverse effects/ PHENYTOIN, therapeutic use



## AUTHOR SECTION

7. Pupek-Musialik D, Raszeja-Wanic B, Rajewski F: Wpływ hydrochlorotiazidu na wybrane parametry gospodarki wapniowo-magnezowej u chorych uneruchomionych. *Pol Tyg Lek* 33(34):1333-6, 21 Aug 78 (Eng. Abstr.)(Pol) ADULT/ \*CALCIUM, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYDROCHLOROTHIAZIDE, pharmacodynamics/ \*IMMOBILIZATION/ \*MAGNESIUM, metabolism/ MALE
8. Purohit V, Singh HH, Ahluwalia BS: Failure of methadone-treated human testes to respond to the stimulatory effect of human chorionic gonadotropin on testosterone biosynthesis in vitro. *J Endocrinol* 78(2):299-300, Aug 78 GONADOTROPINS, CHORIONIC, pharmacodynamics/ HUMAN/ IN VITRO/ MALE/ \*METHADONE, pharmacodynamics/ TESTIS, drug effects/ \*TESTIS, metabolism/ \*TESTOSTERONE, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
9. Purves D, Lichtman JW: Formation and maintenance of synaptic connections in autonomic ganglia. *Physiol Rev* 58(4):821-62, Oct 78 (317 ref.) ANIMAL/ ANIMALS, NEWBORN/ AXONS, physiology/ CATS/ CELL SURVIVAL/ DENERVATION/ DOGS/ EYE, innervation/ GANGLIA, AUTONOMIC, growth & development/ \*GANGLIA, AUTONOMIC, physiology/ NERVE GROWTH FACTOR, physiology/ PARASYMPATHETIC NERVOUS SYSTEM, physiology/ RABBITS/ RATS/ REVIEW/ SYMPATHETIC NERVOUS SYSTEM, physiology/ \*SYNAPSES, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
10. Pușcaș I: Tulburările metabolismului fosfocalcic la bolnavii gastrectomizati. *Rev Med Interna [Med Interna]* 30(4):289-98, Jul-Aug 78 (30 ref.) (Rum) ADRENAL CORTEX HORMONES, therapeutic use/ CALCIUM METABOLISM DISORDERS, drug therapy/ \*CALCIUM METABOLISM DISORDERS, etiology/ CALCIUM, therapeutic use/ DIETARY PROTEINS/ HUMAN/ MALABSORPTION SYNDROMES, drug therapy/ \*MALABSORPTION SYNDROMES, etiology/ OSTEOMALACIA, drug therapy/ OSTEOMALACIA, etiology/ OSTEOPOROSIS, drug therapy/ \*OSTEOPOROSIS, etiology/ PHOSPHORUS METABOLISM DISORDERS, drug therapy/ \*PHOSPHORUS METABOLISM DISORDERS, etiology/ PHOSPHORUS, therapeutic use/ \*POSTGASTRECTOMY SYNDROMES/ POSTGASTRECTOMY SYNDROMES, drug therapy/ REVIEW/ VITAMIN D, therapeutic use
61. Putievskaja IA, Martem'ianova SN: Nabludenie bol'shoi éktopicheskoj timomy s lokal'noi formoi misasteni. *Vrach Delo* (9):105-7, Sep 78 (Rus) CASE REPORT/ FEMALE/ HUMAN/ MEDIASTINAL NEOPLASMS, pathology/ MIDDLE AGE/ \*MYASTHENIA GRAVIS, pathology/ \*THYMOMA, pathology/ \*THYMUS NEOPLASMS, pathology
62. Putney JW Jr: Role of calcium in the actions of agents affecting membrane permeability. pp. 173-94. In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (47 ref.) ANIMAL/ CALCIUM, metabolism/ \*CALCIUM, physiology/ \*CELL MEMBRANE PERMEABILITY, drug effects/ EXOCRINE GLANDS, drug effects/ EXOCRINE GLANDS, metabolism/ EXOCRINE GLANDS, secretion/ IN VITRO/ MONOGRAPH/ RECEPTORS, MUSCARINIC, physiology/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.
63. Puurunen J, Lücke C, Schwabe U: Effect of the phosphodiesterase inhibitor 4-(3-cyclopentyl-4-methoxyphenyl)-2-pyrrolidone (ZK 62711) on gastric secretion and gastric mucosal cyclic AMP. *Naunyn Schmiedebergs Arch Pharmacol* 304(1):69-75, 24 Aug 78 \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CIMETIDINE, pharmacodynamics/ CYCLOPENTANES, pharmacodynamics/ \*GASTRIC JUICE, secretion/ GASTRIC MUCOSA, drug effects/ \*GASTRIC MUCOSA, metabolism/ GASTRIC MUCOSA, secretion/ HISTAMINE, pharmacodynamics/ IN VITRO/ MALE/ \*PHOSPHODIESTERASE INHIBITORS, pharmacodynamics/ \*PYRROLIDINONES, pharmacodynamics/ RATS/ TIME FACTORS/ VAGOTOMY
3264. Pycck CJ, Horton RW, Carter CJ: Interactions of 5-hydroxytryptamine and gamma-aminobutyric acid with dopamine. *Adv Biochem Psychopharmacol* 19:323-41, 1978 (70 ref.) ANIMAL/ BRAIN, drug effects/ BRAIN, metabolism/ CATALEPSY, chemically induced/ CATALEPSY, physiopathology/ DOPAMINE, metabolism/ \*DOPAMINE, physiology/ GABA, metabolism/ \*GABA, physiology/ MOTOR ACTIVITY, drug effects/ MOTOR ACTIVITY, physiology/ REVIEW/ SEROTONIN, metabolism/ \*SEROTONIN, physiology/ STEREOTYPED BEHAVIOR, drug effects/ STEREOTYPED BEHAVIOR, physiology

## Q

3265. Quabbe HJ: Endocrine concomitants of the sleep-wake rhythm in man. pp. 124-31. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977. (34 ref.) ADULT/ ANOREXIA NERVOSA, physiopathology/ \*CIRCADIAN RHYTHM/ CORTICOTROPIN, blood/ DWARFISM, physiopathology/ FEMALE/ FSH, blood/ \*HORMONES, blood/ HUMAN/ HYDROCORTISONE, blood/ LH, blood/ MALE/ MONOGRAPH/ PROLACTIN, blood/ REVIEW/ SEX FACTORS/ \*SLEEP/ SOMATOTROPIN, blood/ TESTOSTERONE, blood/ THYROID HORMONES, blood/ THYROTROPIN, blood/ \*WAKEFULNESS
3266. Quarantotti BP, Corda MG, Paglietti E, et al: Inhibition of copulatory behavior in male rats by D-Ala2-Met-enkephalinamide. *Life Sci* 23(7):673-8, 21 Aug 78 ANIMAL/ \*COPULATION, drug effects/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ EJACULATION, drug effects/ \*ENDORPHINS, pharmacodynamics/ ENKEPHALINS, antagonists & inhibitors/ \*ENKEPHALINS, pharmacodynamics/ MALE/ MOTOR ACTIVITY, drug effects/ NALOXONE, pharmacodynamics/ RATS/ TIME FACTORS
3267. Quarti-Trevano GM, Pagani M, Poma S, et al: Il falso addome acuto. *Minerva Chir* 33(19):1325-38, 15 Oct 78 (Ita) \*ABDOMEN, ACUTE, etiology/ ADOLESCENCE/ ADULT/ ANGIONEUROTIC EDEMA, diagnosis/ BRONCHOPNEUMONIA, diagnosis/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ ENDOCRINE DISEASES, diagnosis/ FEMALE/ HEMATOLOGIC DISEASES, diagnosis/ HERPES ZOSTER, diagnosis/ HUMAN/ HYPERLIPIDEMIA, diagnosis/ ILEITIS, diagnosis/ INFECTIOUS MONONUCLEOSIS, diagnosis/ LEAD POISONING, diagnosis/ LIVER DISEASES, diagnosis/ MALE/ MENINGITIS, diagnosis/ MESENTERIC LYMPHADENITIS, diagnosis/ MIDDLE AGE/ MYOCARDIAL INFARCTION, diagnosis/ PERICARDITIS, diagnosis/ PERIODIC DISEASE, diagnosis/ PORPHYRIA, diagnosis/ PURPURA, diagnosis/ RHEUMATIC FEVER, diagnosis
3268. Quik M, Iversen LL: Subsensitivity of the rat striatal dopaminergic system after treatment with bromocriptine: effects on [3H]spiperone binding and dopamine-stimulated cyclic AMP formation. *Naunyn Schmiedebergs Arch Pharmacol* 304(2):141-5, 12 Sep 78 \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ADENYL CYCLASE, metabolism/ ANIMAL/ \*BUTYROPHENONES, metabolism/ CORPUS STRIATUM, drug effects/ CORPUS STRIATUM, metabolism/ \*CORPUS STRIATUM, physiology/ DOPAMINE, pharmacodynamics/ \*DOPAMINE, physiology/ MALE/ RATS/ \*SPIPERONE, metabolism/ TIME FACTORS/ \*2-BROMOERGOCRYPTINE, pharmacodynamics/ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism



# AUTHOR SECTION

3269. Qureshi AA, Solomon JK, Eichelman B: L-histidine induced changes in adenosine 3',5'-monophosphate levels in rat brain and amounts of apo-, holo-a and holo-b fatty acid synthetases in rat liver. *Biochem Biophys Res Commun* 83(3):1191-7, 14 Aug 78  
 \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ APOENZYMES, isolation & purification/ APOENZYMES, metabolism/ BRAIN, drug effects/ \*BRAIN, metabolism/ DIETARY FATS/ FASTING/ FATTY ACID SYNTHETASE COMPLEX, isolation & purification/ \*FATTY ACID SYNTHETASE COMPLEX, metabolism/ \*HISTIDINE, pharmacodynamics/ LIVER, drug effects/ \*LIVER, enzymology/ MALE/ PROTEINS, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED
3270. Qureshi TA, Sultan R: Histo-physiological studies on the interrenal gland of a catfish, *Clarias batrachus* (Linn.). *Z Mikrosk Anat Forsch* 91(3):443-52, 1977  
 \*ADRENAL GLANDS, physiology/ ANIMAL/ ATROPINE, pharmacodynamics/ FISHES, anatomy & histology/ \*FISHES, physiology/ INTERRENAL GLAND, anatomy & histology/ INTERRENAL GLAND, drug effects/ \*INTERRENAL GLAND, physiology/ RESERPINE, pharmacodynamics

## R

3271. Rabenantoandro C, Tsarafidy A, Razafimanana P, et al: Un cas de bosse cervico-dorsale humaine de cinq kilogrammes: graisse brune (Pheochromocytome); disparition immédiate en postopératoire du syndrome cardio-vasculaire. *Rev Laryngol Otol Rhinol (Bord)* 99(5-6):369-75, May-Jun 78 (Eng. Abstr.) (Fre)  
 \*BROWN FAT/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ \*HEAD AND NECK NEOPLASMS, complications/ HEAD AND NECK NEOPLASMS, diagnosis/ HEAD AND NECK NEOPLASMS, surgery/ HUMAN/ \*HYPERTENSION, etiology/ \*LIPOMA, complications/ LIPOMA, diagnosis/ LIPOMA, surgery/ MALE/ MIDDLE AGE/ \*PHEOCHROMOCYTOMA, diagnosis
3272. Rabinowitz R, Barkin M, Schillinger JF, et al: Urinary tract reconstruction in prune belly syndrome. *Urology* 12(3):333-5, Sep 78  
 \*ABDOMINAL WALL, abnormalities/ \*ABNORMALITIES, MULTIPLE/ CHILD, PRESCHOOL/ \*CRYPTORCHISM, congenital/ DILATATION, PATHOLOGIC/ FOLLOW-UP STUDIES/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ REIMPLANTATION/ SYNDROME/ UREMIA, surgery/ URETER, pathology/ \*URETER, surgery/ URINARY DIVERSION/ URINARY TRACT INFECTIONS, surgery
3273. Raboch J: Testosteron a sexualita muže. *Cesk Psychiatr* 74(2):73-6, Apr 78 (Eng. Abstr.) (Cze)  
 ENGLISH ABSTRACT/ HUMAN/ MALE/ \*SEX DISORDERS, physiopathology/ SEX HORMONES, physiology/ \*TESTOSTERONE, physiology
3274. Rachev RR, Dimitrov MI, Stanoeva N: Vliianie in vivo tireoidnykh hormonov i IGL na sintez belka v mitokondriakh tireoidéktomirovannykh zhivotnykh. *Biull Eksp Biol Med* 86(8):167-70, Aug 78 (Eng. Abstr.) (Rus)  
 ANIMAL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ IODINE, pharmacodynamics/ KINETICS/ \*LIVER, drug effects/ LIVER, metabolism/ MALE/ MITOCHONDRIA, LIVER, drug effects/ MITOCHONDRIA, LIVER, metabolism/ \*PROTEINS, biosynthesis/ RATS/ THYROIDECTOMY/ TIME FACTORS/ \*TRIIODOTHYRONINE, pharmacodynamics/ TYROSINE, metabolism
3275. Rachmilewitz D, Ligumsky M, Sharon P, et al: Flufenamic acid inhibition of PGE2 production by rectal mucosa in ulcerative colitis [letter]. *Gastroenterology* 75(5):929-30, Nov 78  
 \*COLITIS, ULCERATIVE, metabolism/ DRUG SCREENING/ \*FLUFENAMIC ACID, pharmacodynamics/ HUMAN/ IN VITRO/ \*INTESTINAL MUCOSA, metabolism/ METHYLPREDNISOLONE, pharmacodynamics/ ORGAN CULTURE/ \*PROSTAGLANDINS E,

biosynthesis/ \*RECTUM, metabolism/ SALICYLAZOSULFAPYRIDINE, pharmacodynamics/ TISSUE CULTURE

3276. Radó JP: Regulation of plasma aldosterone by glucose-in paradoxical hyperkalemia in the presence of suppressed renin-angiotensin system. *Endokrinologie* 72(1):51-6, ADULT/ \*ALDOSTERONE, blood/ \*ANGIOTENSIN II, blood/ BLOOD CHEMICAL ANALYSIS/ CASE REPORT/ GLUCOSE, drug use/ HUMAN/ \*HYPERKALEMIA, blood/ KINETICS/ MALE/ \*RENIN, blood
3277. Ragab MI, Edelman DA, Laufe L: The effects of long paracervical block anesthesia on the abortifacient effect of intra-amniotic PGF2alpha and hypertonic saline. *Acta Obstet Gynecol Scand* 57(4):327-31, 1978  
 ABORTIFACIENT AGENTS/ \*ABORTION, INDUCED/ AMNIOTIC FLUID/ \*ANESTHETICS, OBSTETRICAL/ \*AUTONOMIC NERVE BLOCK/ CERVIX UTERI/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DRUG EVALUATION/ EPINEPHRINE/ FEMALE/ HUMAN/ INJECTIONS/ LIDOCAINE/ OXYTOCIN, therapeutic use/ PREGNANCY/ PROSTAGLANDINS F, administration & dosage/ \*PROSTAGLANDINS F, therapeutic use/ SALINE SOLUTION, HYPERTONIC, administration & dosage/ SALINE SOLUTION, HYPERTONIC, therapeutic use/ TIME FACTORS
3278. Ragan CM, Vining LC: Intracellular cyclic adenosine 3',5'-monophosphate levels and streptomycin production in cultures of *Streptomyces griseus*. *Can J Microbiol* 24(8):1012-5, Aug 78  
 ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ CULTURE MEDIA/ STREPTOMYCES GRISEUS, cytology/ \*STREPTOMYCES GRISEUS, metabolism/ STREPTOMYCES, growth & development/ \*STREPTOMYCIN, biosynthesis/ TISSUE CULTURE
3279. Rahamimoff H, Abramovitz E: Ca transport and ATPase activity of synaptosomal vesicles from rat brain. *FEBS Lett* 92(2):163-7, 15 Aug 78  
 ADENOSINE TRIPHOSPHATASE, CALCIUM antagonists & inhibitors/ \*ADENOSINE TRIPHOSPHATASE, CALCIUM, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTION/ drug effects/ \*BRAIN, enzymology/ \*CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ DICYCLOHEXYLCARBODIIMIDE, pharmacodynamics/ ENZYME ACTIVATION, effects/ MAGNESIUM, pharmacodynamics/ MANGANESE, pharmacodynamics/ RATS/ SYNAPTOSOMES, enzymology
3280. Rahamimoff R, Erulkar SD, Lev-Tov A, et al: Intracellular extracellular calcium ions in transmitter release at the neuromuscular synapse. *Ann NY Acad Sci* 307:583-98, Apr 78 (52 ref.)  
 ACETYLCHOLINE, secretion/ ACTION POTENTIALS, drug effects/ ANIMAL/ CALCIUM, administration & dosage/ \*CALCIUM, metabolism/ CALCIUM, pharmacodynamics/ CELL MEMBRANE physiology/ ELECTRIC STIMULATION/ EVOKED POTENTIALS, drug effects/ FROGS/ IN VITRO MITOCHONDRIA, physiology/ MUSCLE CONTRACTION/ \*NEURAL TRANSMISSION, NEURAL TRANSMISSION, drug effects/ \*NEUROHUMORS, secretion/ \*NEUROMUSCULAR JUNCTION, physiology/ OSMOLAR CONCENTRATION/ REVIEW/ SODIUM, physiology/ \*SYNAPSES, physiology
3281. Rahmsdorf HJ, Gerisch G: Specific binding proteins for cyclic AMP and cyclic GMP in Dictyostelium discoideum. *Cell Differ* 7(5):249-57, Oct 78  
 \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ CELL CYCLE/ CHROMATOGRAPHY/ DEAE-CELLULOSE/ CHROMATOGRAPHY, GEL/ DICTYOSTELIUM, enzymology/ \*DICTYOSTELIUM, metabolism/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ PROTEIN KINASE, metabolism/ \*RECEPTORS, CYCLIC AMP, metabolism
3282. Raine JM, Wing DR, Paton WD: The effects of delta1-tetrahydrocannabinol on mammary gland growth enzyme activity and plasma prolactin levels in the mouse.



## AUTHOR SECTION

- Eur J Pharmacol 51(1):11-7, 1 Sep 78  
ANIMAL/ DNA, metabolism/ FEMALE/  
\*LIPOPROTEIN LIPASE, metabolism/ \*MAMMAE,  
drug effects/ MAMMAE, enzymology/ MAMMAE,  
growth & development/ ORGAN WEIGHT, drug  
effects/ PREGNANCY/ \*PROLACTIN, blood/  
\*TETRAHYDROCANNABINOL, pharmacodynamics
283. Raionov A, Bozhkov B, Stancheva Iu: Promeni v aktivnostta na 3H-noradrenalin v nadbubrechnite zhezi i v seruma na plukhove pod vlianie na khistamin i adrenokortikotropen khormon. Eksp Med Morfol 17(3):126-31, 1978 (Eng. Abstr.) (Bul)  
\*ADRENAL GLANDS, drug effects/ ANIMAL/  
BLOOD SUGAR, analysis/ \*CORTICOTROPIN,  
pharmacodynamics/ DRUG INTERACTIONS/  
ENGLISH ABSTRACT/ FEMALE/ \*HISTAMINE,  
pharmacodynamics/ MALE/ \*NOREPINEPHRINE,  
metabolism/ RATS/ TIME FACTORS/ TRITIUM
284. Raitses VS, Shliakhovenko AA: Moduliatsiia aktivnosti neironov iadra Deitersa pri elektrostimulatsii gipotalamusa i limbicheskikh struktur mozga. Fiziol Zh SSSR 64(8):1105-11, Aug 78 (Eng. Abstr.) (Rus)  
AMYGDALOID BODY, physiology/ ANIMAL/  
CATS/ \*DEITERS NUCLEUS, physiology/  
ELECTRIC STIMULATION/ ENGLISH  
ABSTRACT/ \*HYPOTHALAMUS, physiology/  
HYPOTHALAMUS, MEDIAL, physiology/ \*LIMBIC  
SYSTEM, physiology/ MESENCEPHALON,  
physiology/ RETICULAR FORMATION, physiology/  
THALAMIC NUCLEI, physiology/ \*VESTIBULAR  
NUCLEI, physiology
285. Rajalakshmi M, Leask JT, Waites GM: In vitro metabolism of androgens by mammalian cauda epididymal spermatozoa. Steroids 31(6):747-60, Jun 78  
\*ANDROGENS, metabolism/  
ANDROSTENEDIONE, metabolism/ ANIMAL/  
CHROMATOGRAPHY, GAS/  
DEHYDROEPIANDROSTERONE, metabolism/  
\*EPIDIDYMIS, metabolism/ GUINEA PIGS/  
HAMSTERS/ IN VITRO/ MALE/ RABBITS/  
RATS/ SPECIES SPECIFICITY/ \*SPERMATOZOA,  
metabolism/ TESTOSTERONE, metabolism
286. Rajan KS, Jaw R, Grecz N: Role of chelation and water binding of calcium in dormancy and heat resistance of bacterial endospores. Bioinorg Chem 8(6):477-91, Jun 78  
ABSORPTION/ AMINO ACIDS/ \*CALCIUM,  
metabolism/ CLOSTRIDIUM BOTULINUM,  
metabolism/ \*CLOSTRIDIUM BOTULINUM,  
physiology/ HEAT/ PEPTIDES/  
POTENTIOMETRY/ PROTEIN BINDING/  
PROTONS/ SPORES, BACTERIAL, metabolism/  
UNITED STATES GOV'T SUPPORTED/ WATER,  
metabolism
287. Rajan R, Thomas M: Testis biopsy in varicocele as related to fertility. J Obstet Gynaecol India 28(2):291-5, Apr 78  
ADULT/ BIOPSY/ HUMAN/ MALE/ MIDDLE  
AGE/ OLIGOSPERMIA, pathology/ \*STERILITY,  
MALE, complications/ \*TESTIS, pathology/  
VARICOCELE, complications/ \*VARICOCELE,  
pathology
288. Rajan R: Evaluation of heterologous artificial insemination. J Obstet Gynaecol India 28(1):121-4, Feb 78  
ADULT/ BIOPSY/ EVALUATION STUDIES/  
FEMALE/ FERTILITY/ HUMAN/  
\*INSEMINATION, ARTIFICIAL/  
\*INSEMINATION, ARTIFICIAL,  
HETEROLOGOUS/ MALE/ OLIGOSPERMIA,  
diagnosis/ PREGNANCY/ SEMEN, cytology/  
TESTIS, pathology
289. Rajarajeswari G, Viswanathan J: Atypical manifestations in childhood leukemia. Indian Pediatr 15(5):385-91, May 78  
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/  
EXOPHTHALMOS, etiology/ FEMALE/ HUMAN/  
INFANT/ JAUNDICE, etiology/ \*LEUKEMIA,  
complications/ MALE/ PLEURAL EFFUSION,  
etiology
290. Rajdev N, Green R, Crosby WH: Angiosarcoma with pulmonary siderosis and persistent reticulocytosis. Steroid responsiveness suggests an immune basis. Arch Intern Med 138(10):1549-51, Oct 78  
\*ADRENAL CORTEX HORMONES, therapeutic use/  
ADULT/ \*ANGIOSARCOMA, complications/ CASE  
REPORT/ FERRITIN, blood/ HEMATOLOGIC  
DISEASES, complications/ HUMAN/ LUNG  
DISEASES, drug therapy/ \*LUNG DISEASES,  
etiology/ LUNG DISEASES, immunology/ MALE/  
\*RETICULOCYTES/ RETICULOCYTES,  
pathology/ SIDEROSIS, drug therapy/ \*SIDEROSIS,  
etiology/ SIDEROSIS, immunology/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
3291. Rális HM, Rális ZA: Poorly mineralized osteoid bone and its staining in paraffin sections. Med Lab Sci 35(3):293-303, Jul 78  
ANIMAL/ BONE AND BONES, metabolism/ \*BONE  
AND BONES, pathology/ COMPARATIVE STUDY/  
HUMAN/ OSTEOMALACIA, pathology/  
PARAFFIN/ RABBITS/ RATS/ RICKETS,  
pathology/ STAINS AND STAINING, methods
3292. Ramachandran C, Bygrave FL: Calcium ion cycling in rat liver mitochondria. Biochem J 174(2):613-20, 15 Aug 78  
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE,  
drug effects/ \*CALCIUM, metabolism/  
CHLOROMERCURIPHENYLSULFONATE,  
pharmacodynamics/ ELECTROCHEMISTRY/  
ETHYLMALIMIDE, pharmacodynamics/ IN  
VITRO/ MAGNESIUM, pharmacodynamics/  
MITOCHONDRIA, LIVER, drug effects/  
\*MITOCHONDRIA, LIVER, metabolism/  
PROTONS/ RATS
3293. Ramachandran CK, Gray SL, Melnykovich G: Coordinate repression of cholesterol biosynthesis and cytoplasmic 3-hydroxy-3-methylglutaryl coenzyme A synthase by glucocorticoids in HeLa cells. Arch Biochem Biophys 189(1):205-11, Jul 78  
ACETYL COENZYME A SYNTHETASE,  
metabolism/ ACETYL COA  
ACETYLTRANSFERASE, metabolism/  
\*CHOLESTEROL, biosynthesis/ COMPARATIVE  
STUDY/ DEXAMETHASONE, pharmacodynamics/  
\*GLUCOCORTICIDS, pharmacodynamics/ HELA  
CELLS/ \*HYDROXYMETHYLGLUTARYL COA  
SYNTHASE, antagonists & inhibitors/  
\*KETOACID-LYASES, antagonists & inhibitors/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
3294. Ramachandran J, Rao AJ, Liles S: Studies of the trophic action of ACTH. Ann NY Acad Sci 297:336-48, 28 Oct 77  
\*ADRENAL CORTEX, drug effects/ ADRENAL  
CORTEX, growth & development/ ANIMAL/ CELL  
DIVISION, drug effects/ CELLS, CULTURED/  
CORTICOSTERONE, biosynthesis/  
CORTICOTROPIN, metabolism/  
\*CORTICOTROPIN, pharmacodynamics/ IMMUNE  
SERUMS, pharmacodynamics/ IN VITRO/ RATS/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
3295. Ramer SJ, Yu DT: Effect of corticosteroids on committed lymphocytes. Clin Exp Immunol 32(3):545-53, Jun 78  
\*ADRENAL CORTEX HORMONES,  
pharmacodynamics/ CONCANAVALLIN A,  
pharmacodynamics/ HUMAN/ \*LYMPHOCYTE  
TRANSFORMATION, drug effects/  
LYMPHOCYTES, immunology/  
METHYLMANNOSIDES, pharmacodynamics/  
METHYLPREDNISOLONE, pharmacodynamics/  
PROSTAGLANDINS E, SYNTHETIC,  
pharmacodynamics/ ROSETTE FORMATION/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
3296. Ramirez A, Vial H, Barailler J, et al: Effets du lévophacétopérane, de la pémoline, de la fénozone et de la centrophénoxine sur la capture des catécholamines et de la sérotonine dans différentes régions du cerveau de rat. C R Acad Sci [D] (Paris) 187(1):53-6, 3 Jul 78 (Eng. Abstr.) (Fre)  
AMPHETAMINE, pharmacodynamics/  
\*ANALEPTICS, pharmacodynamics/ ANIMAL/  
BENZYL ALCOHOLS, pharmacodynamics/  
BINDING, COMPETITIVE/ BRAIN CHEMISTRY,  
drug effects/ \*BRAIN, metabolism/  
\*CATECHOLAMINES, metabolism/  
CENTROPHENOXINE, pharmacodynamics/  
CEREBRAL CORTEX, metabolism/  
COMPARATIVE STUDY/ CORPUS STRIATUM,  
metabolism/ ENGLISH ABSTRACT/  
HYPOTHALAMUS, metabolism/ IN VITRO/ MALE/  
PEMOLINE, analogs & derivatives/ PEMOLINE,  
pharmacodynamics/ PIPERIDINES,  
pharmacodynamics/ RATS/ \*SEROTONIN,  
metabolism/ SYNAPTOSOMES, metabolism



## AUTHOR SECTION

3297. Ramsey RB: Effect of hypocholesterolemic agents on central nervous system cholesterol biosynthesis III. Zuclomiphene in combination with AY9944 and triparanol. *Biochem Pharmacol* 27(12):1637-40, 1978  
ANIMAL/ \*ANTICHOLESTEREMIC AGENTS, pharmacodynamics/ AY 9944, pharmacodynamics/ BRAIN, drug effects/ \*BRAIN, metabolism/ \*CHOLESTEROL, biosynthesis/ CLOMIPHENE, pharmacodynamics/ DRUG INTERACTIONS/ FEMALE/ MALE/ RATS/ STEROLS, metabolism/ TRIPARANOL, pharmacodynamics
3298. Rao PN, Moore PH Jr, Peterson DM, et al: Synthesis of new steroid haptens for radioimmunoassay--part V. 19-O-carboxymethyl ether derivative of testosterone. A highly specific antiserum for immunoassay of testosterone from both male and female plasma without chromatography. *J Steroid Biochem* 9(6):539-45, Jun 78  
ANTIBODY SPECIFICITY/ FEMALE/ \*HAPTENS/ HUMAN/ MALE/ MENSTRUATION/ RADIOIMMUNOASSAY/ STANOLONE, immunology/ \*TESTOSTERONE, analogs & derivatives/ TESTOSTERONE, blood/ TESTOSTERONE, immunology/ TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3299. Rappaport AH, Hoffer PB, Genant HK: Unifocal bone findings by scintigraphy. Clinical significance in patients with known primary cancer. *West J Med* 129(3):188-92, Sep 78  
ADOLESCENCE/ ADULT/ AGED/ \*BONE AND BONES, radionuclide imaging/ BONE DISEASES, radionuclide imaging/ BONE NEOPLASMS, radionuclide imaging/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ \*NEOPLASMS, radionuclide imaging
3300. Rasmussen H, Jensen P, Lake W, et al: Calcium ion as second messenger. *Clin Endocrinol (Oxf)* 5 Suppl:11S-27S, 1976 (65 ref.)  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ADENYL CYCLASE, metabolism/ BIOLOGICAL TRANSPORT/ CALCIUM, blood/ CALCIUM, metabolism/ \*CALCIUM, physiology/ CATECHOLAMINES, physiology/ \*ERYTHROCYTES, metabolism/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ GUANYL CYCLASE, metabolism/ HOMEOSTASIS/ HUMAN/ ION CHANNELS, metabolism/ MITOCHONDRIA, physiology/ MUSCLE CONTRACTION/ MUSCLE, SMOOTH, metabolism/ RECEPTORS, ADRENERGIC, physiology/ REVIEW/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3301. Rasmussen H, Gustin MC: Some aspects of the hormonal control of cellular calcium metabolism. *Ann NY Acad Sci* 307:391-401, 28 Apr 78  
ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ \*CALCIUM, metabolism/ CARRIER PROTEINS, metabolism/ CELL MEMBRANE, metabolism/ \*DIHYDROXYCHOLECALCIFEROLS, metabolism/ DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ \*GLUCOCORTICOIDS, metabolism/ GLUCOCORTICOIDS, SYNTHETIC, pharmacodynamics/ \*HYDROXYCHOLECALCIFEROLS, metabolism/ IN VITRO/ MEMBRANES, metabolism/ MITOCHONDRIA, metabolism/ MODELS, BIOLOGICAL/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3302. Rasmussen B: Carcinoma of the thyroid. A survey of 227 cases. *Acta Radiol Oncol Radiat Phys Biol* 17(3):177-88, 1978  
AGE FACTORS/ \*CARCINOMA, occurrence/ CARCINOMA, pathology/ CARCINOMA, radiotherapy/ DENMARK/ FEMALE/ HUMAN/ IODINE RADIOISOTOPES/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ NEOPLASM RECURRENCE, LOCAL/ NEOPLASMS, RADIATION-INDUCED/ PREGNANCY COMPLICATIONS/ PREGNANCY/ SEX FACTORS/ THYROID GLAND, pathology/ \*THYROID NEOPLASMS, occurrence/ THYROID NEOPLASMS, pathology/ THYROID NEOPLASMS, radiotherapy
3303. Rastogi RB, Singhal RL: The effect of thyroid hormone on serotonergic neurones: depletion of serotonin in discrete areas of developing hypothyroid rats. *Naunyn Schmiedeberg's Arch Pharmacol* 304(1):9-13, 1978  
ANIMAL/ ANIMALS, NEWBORN/ BRAIN, effects/ \*BRAIN, metabolism/ FEMALE/ HYDROXYINDOLEACETIC ACID, metabolism/ \*HYPOTHYROIDISM, metabolism/ NEURONS, effects/ \*NEURONS, metabolism/ PREGNANCY/ RATS/ \*SEROTONIN, metabolism/ THYROIDECTOMY/ \*TRIIODOTHYRONINE, pharmacodynamics
3304. Rastogi RB, Singhal RL: Brain 5-hydroxytryptamine metabolism: adaptive changes after long-term administration of psychotropic drugs. *Gen Pharmacol* 9(5):307-14, 1978 (ref.)  
ADRENAL CORTEX HORMONES, pharmacodynamics/ ANIMAL/ \*BRAIN, drug effects/ BRAIN, metabolism/ COCAINE, pharmacodynamics/ DIAZEPAM, pharmacodynamics/ HYPERTHYROIDISM, metabolism/ HYPOTHYROIDISM, metabolism/ LITHIUM, pharmacodynamics/ MORPHINE, pharmacodynamics/ \*PSYCHOTROPIC DRUGS, pharmacodynamics/ RATS/ RECEPTORS, SEROTONIN, drug effects/ REVIEW/ \*SEROTONIN, metabolism/ TRYPTOPHAN HYDROXYLASE, metabolism/ TRYPTOPHAN, metabolism
3305. Ratcliffe WA, Logue FC, Ratcliffe JG: Scottish Immune Support Service Quality Control scheme for thyroxine, triiodothyronine, and digoxin assays: analysis of first months' experience. *Ann Clin Biochem* 15(4):203-7, 1978  
ANIMAL/ CATTLE/ COMPARATIVE STUDIES/ CROSS REACTIONS/ \*DIGOXIN, blood/ HUMAN/ QUALITY CONTROL/ RADIOIMMUNOASSAY, methods/ RADIOLIGAND ASSAY/ REAGENT KITS, DIAGNOSTIC/ SCOTLAND/ \*THYROID, blood/ \*TRIIODOTHYRONINE, blood
3306. Rauch B, von Chak D, Hasselbach W: An estimate of the kinetics of calcium binding and dissociation of the sarcoplasmic reticulum transport ATPase. *FEBS Lett* 93(1):65-8, 1 Sep 78  
\*ADENOSINE TRIPHOSPHATASE, CALCIUM, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ \*CALCIUM, metabolism/ CARRIER PROTEINS, metabolism/ CELL-FUNCTION/ EGTA, metabolism/ KINETICS/ PHOSPHOPROTEINS, metabolism/ PHOSPHORYLATION/ RABBITS/ \*SARCOPLASMIC RETICULUM, enzymology
3307. Rayburn WF, Duhring JL, Donaldson M: A study of fetal acceleration tests. *Am J Obstet Gynecol* 132(1):33-5, 1978  
COMPARATIVE STUDY/ FEMALE/ FETAL DISEASES, diagnosis/ \*FETAL HEART, physiology/ FETAL HEART, physiopathology/ \*FETAL MONITORING/ \*HEART RATE/ HUMAN/ INFANT, NEWBORN/ MOVEMENT/ OXYTOCIN, pharmacodynamics/ PLACENTAL FUNCTION/ TESTS/ PREGNANCY/ RISK/ TIME FACTORS/ UTERINE CONTRACTION, drug effects
3308. Raynaud JP, Bouton MM, Philibert D, et al: Steroid binding in the hypothalamus and pituitary. *Curr Top Mol Endocrinol* 3:171-89, 1976  
AGE FACTORS/ ANIMAL/ ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ ESTROGENS, metabolism/ FEMALE/ GENITALIA, drug effects/ GENITALIA, MALE, embryology/ \*HYPOTHALAMUS, metabolism/ MALE/ \*PITUITARY GLAND, metabolism/ PREGNANCY/ RATS/ RECEPTORS, ESTROGEN, metabolism/ RECEPTORS, PROGESTERONE, metabolism/ \*RECEPTORS, STEROID, metabolism/ REPRODUCTION, drug effects/ SEX FACTORS
3309. Raz A, Aharony D: Prostaglandin biosynthesis in platelets: demonstration and role of prostaglandin H2 leads to isomerase. *Res Commun Chem Pathol Pharmacol* 21(3):507-15, Sep 78  
ANIMAL/ ARACHIDONIC ACIDS, blood/ BLOOD PLATELETS, drug effects/ \*BLOOD PLATELETS, metabolism/ HUMAN/ IMIDAZOLES, pharmacodynamics/ IN VITRO/ \*ISOMERASE, metabolism/ \*PROSTAGLANDIN, metabolism/ ENDOPEROXIDES, blood/ PROSTAGLANDIN



# AUTHOR SECTION

- \*PROSTAGLANDINS H, blood/  
\*PROSTAGLANDINS, biosynthesis/ RABBITS/  
THROMBOXANE B2, blood
10. Re M, Spera G, Maselli G, et al: Glycogen and phosphorylase in Klinefelter's syndrome: a histochemical study. *Experientia* 34(8):1081-2, 15 Aug 78  
\*GLYCOGEN PHOSPHORYLASE, metabolism/  
\*GLYCOGEN, metabolism/  
HISTOCYTOCHEMISTRY/ HUMAN/  
\*KLINEFELTER'S SYNDROME, metabolism/  
KLINEFELTER'S SYNDROME, pathology/ MALE/  
\*TESTIS, metabolism/ TESTIS, pathology
11. Reagan CR: The diabetogenic activity of fragments of human growth hormone in obese (ob/ob) mice. *Diabetes* 27(9):883-8, Sep 78  
ANIMAL/ \*DIABETES MELLITUS,  
EXPERIMENTAL, chemically induced/ FEMALE/  
FIBRINOLYSIS/ GLUCOSE TOLERANCE TEST/  
HUMAN/ KINETICS/ MICE/ MICE, OBESE/  
PEPTIDE FRAGMENTS, pharmacodynamics/  
\*SOMATOTROPIN/ SOMATOTROPIN,  
pharmacodynamics/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
12. Rebière A, Dainat J: Action des hormones thyroïdiennes et de la restriction de l'apport énergétique sur le développement du soma de la cellule de Purkinje et de son environnement glial. *Acta Neuropathol (Berl)* 43(3):221-8, 15 Sep 78 (Eng. Abstr.) (Fre)  
ANIMAL/ \*CALORIC INTAKE/ \*DIET/  
ENGLISH ABSTRACT/ \*HYPERTHYROIDISM,  
pathology/ \*HYPOTHYROIDISM, pathology/  
KARYOMETRY/ \*NEUROGLIA, ultrastructure/  
PURKINJE CELLS, growth & development/  
\*PURKINJE CELLS, ultrastructure/ RATS/ TIME  
FACTORS
13. Rebollar JL, Gilsanz FJ, Buencuerpo J, et al: Feocromocitoma con hipotensión arterial. *Rev Clin Esp* 149(6):615-7, 30 Jun 78 (Spa)  
CASE REPORT/ CORONARY DISEASE,  
complications/ EPINEPHRINE, secretion/ FEMALE/  
HUMAN/ \*HYPOTENSION, etiology/ MIDDLE  
AGE/ \*PHEOCHROMOCYTOMA, complications/  
PULMONARY EDEMA, etiology
14. Redburn DA, Broome D, Ferkany J, et al: Development of rat brain uptake and calcium-dependent release of GABA. *Brain Res* 152(3):511-9, 8 Sep 78  
AGE FACTORS/ ALANINE, metabolism/ ANIMAL/  
BRAIN, growth & development/ \*BRAIN, metabolism/  
\*CALCIUM, pharmacodynamics/ CELL  
FRACTIONATION/ \*GABA, metabolism/  
LEUCINE, metabolism/ MICROSONES, metabolism/  
RATS/ SECRETORY RATE, drug effects/  
SEROTONIN, metabolism/ SYNAPTOSOMES,  
metabolism/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
15. Redel J, Bazely N, Tanaka Y, et al: The absolute configuration of the natural 25,26-dihydroxycholecalciferol. *FEBS Lett* 94(2):228-30, 15 Oct 78  
ANIMAL/ CHICKENS/  
\*DIHYDROXYCHOLECALCIFEROLS/  
DIHYDROXYCHOLECALCIFEROLS, isolation &  
purification/ \*HYDROXYCHOLECALCIFEROLS/  
HYDROXYCHOLECALCIFEROLS, isolation &  
purification/ ISOMERISM/ KIDNEY, analysis/  
MOLECULAR CONFORMATION
16. Redgrave P: Modulation of intracranial self-stimulation behaviour by local perfusions of dopamine, noradrenaline and serotonin within the caudate nucleus and nucleus accumbens. *Brain Res* 155(2):277-95, 27 Oct 78  
ANIMAL/ BEHAVIOR, ANIMAL, drug effects/  
\*CAUDATE NUCLEUS, drug effects/ \*DOPAMINE,  
pharmacodynamics/ ELECTRIC STIMULATION/  
MALE/ \*NOREPINEPHRINE, pharmacodynamics/  
\*NUCLEUS ACCUMBENS, drug effects/  
PERFUSION/ RATS/ \*SELF STIMULATION, drug  
effects/ \*SEPTAL NUCLEI, drug effects/  
\*SEROTONIN, pharmacodynamics
17. Reed PW, Knapp HR: Prostaglandins and calcium. *Ann NY Acad Sci* 307:445-7, 28 Apr 78  
A-23187, pharmacodynamics/ ANIMAL/ \*CALCIUM,  
metabolism/ IN VITRO/ IONOPHORES/  
MITOCHONDRIA, metabolism/  
PROSTAGLANDINS, biosynthesis/  
\*PROSTAGLANDINS, metabolism/  
PROSTAGLANDINS, pharmacodynamics/ RATS/  
THROMBOXANES, biosynthesis/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
3318. Rees LH, Bloomfield GA, Gilkes JJ, et al: ACTH as a tumor marker. *Ann NY Acad Sci* 297:603-20, 28 Oct 77  
CARCINOMA, OAT CELL, secretion/  
\*CORTICOTROPIN, secretion/ \*HORMONES,  
ECTOPIC, secretion/ HUMAN/ LUNG  
NEOPLASMS, secretion/ NEOPLASTIC  
ENDOCRINE-LIKE SYNDROMES, diagnosis/  
\*NEOPLASTIC ENDOCRINE-LIKE SYNDROMES,  
secretion
3319. Rees LH: Concepts in ectopic hormone production. *Clin Endocrinol (Oxf)* 5 Suppl:363S-372S, 1976 (58 ref.)  
ANIMAL/ CORTICOTROPIN, genetics/  
CORTICOTROPIN, secretion/ FEEDBACK/  
GENES, REGULATOR/ HORMONES, ECTOPIC,  
genetics/ HORMONES, ECTOPIC, metabolism/  
\*HORMONES, ECTOPIC, secretion/ HUMAN/  
NEOPLASMS, familial & genetic/ NEOPLASMS,  
metabolism/ \*NEOPLASMS, secretion/  
NEOPLASTIC ENDOCRINE-LIKE SYNDROMES,  
familial & genetic/ NEOPLASTIC  
ENDOCRINE-LIKE SYNDROMES, metabolism/  
NEOPLASTIC ENDOCRINE-LIKE SYNDROMES,  
secretion/ PEPTIDE FRAGMENTS, secretion/  
PHENOTYPE/ REVIEW/ TRANSCRIPTION,  
GENETIC
3320. Reeve J, Crawley JC, Goldberg AD, et al: Abnormalities of renal transport of sodium o-[131I]iodohippurate (Hippuran) in essential hypertension. *Clin Sci Mol Med* 55(3):241-7, Sep 78  
BLOOD FLOW VELOCITY/ HUMAN/  
\*HYPERTENSION, metabolism/ HYPERTENSION,  
physiopathology/ \*IODOHIPPURIC ACID,  
metabolism/ KIDNEY, blood supply/ \*KIDNEY,  
metabolism/ KIDNEY, physiopathology/  
RADIOISOTOPE RENOGRAPHY/ RENIN, blood
3321. Reeve J, Veall N, Wootton R: Problems in the analysis of dynamic tracer studies. *Clin Sci Mol Med* 55(3):225-30, Sep 78 (38 ref.)  
\*CALCIUM RADIOISOTOPES, metabolism/  
\*CALCIUM, metabolism/ FEEDBACK/ HUMAN/  
KINETICS/ MODELS, BIOLOGICAL/  
OSSIFICATION, PHYSIOLOGIC/ REVIEW
3322. Regnier R: Fractures pathologiques et radiothérapie. *Acta Orthop Belg* 44(3):455-8, May-Jun 78 (Fre)  
ANIMAL/ \*BONE AND BONES, radiation effects/  
CERVIX NEOPLASMS, radiotherapy/ CHILD/  
FEMALE/ FEMORAL FRACTURES, etiology/  
\*FRACTURES, SPONTANEOUS, etiology/  
HUMAN/ NEOPLASMS, radiotherapy/  
RADIO THERAPY DOSAGE/ \*RADIO THERAPY,  
adverse effects/ RADIO THERAPY, HIGH ENERGY
3323. Rehder H, Sanchioni L, Cefis F, et al: Pathologisch-embryologische Untersuchungen an Abortusfällen im Zusammenhang mit dem Seveso-Unglück. *Schweiz Med Wochenschr* 108(42):1617-25, 21 Oct 78 (Eng. Abstr.) (Ger)  
\*ABNORMALITIES, DRUG-INDUCED, prevention  
& control/ ABNORMALITIES, MULTIPLE/  
\*ABORTION, chemically induced/ \*ABORTION,  
INDUCED/ ACCIDENTS, OCCUPATIONAL/  
ADOLESCENCE/ ADULT/ \*DIOXINS, adverse  
effects/ ENGLISH ABSTRACT/ EXPLOSIONS/  
FEMALE/ FETAL DISEASES, embryology/ FETAL  
DISEASES, pathology/ \*FETUS, pathology/ HEART  
DEFECTS, CONGENITAL, embryology/ HEART  
DEFECTS, CONGENITAL, pathology/ HUMAN/  
ITALY/ PLACENTA DISORDERS, embryology/  
PLACENTA DISORDERS, pathology/  
PREGNANCY/  
\*TETRACHLORODIBENZODIOXIN, adverse effects
3324. Reichard LA, Hafs HD, Haynes NB, et al: Sperm output and serum testosterone in rabbits given prostaglandin F2alpha or E2. *Prostaglandins* 16(1):135-42, Jul 78  
ANIMAL/ MALE/ \*PROSTAGLANDINS E,  
pharmacodynamics/ \*PROSTAGLANDINS F,  
pharmacodynamics/ RABBITS/ SEMEN, drug effects/  
\*SPERMATOZOA, drug effects/ \*TESTOSTERONE,  
blood/ TIME FACTORS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.

## AUTHOR SECTION

3325. Reichleier K, Ermini M, Schlecht HP: Altersbedingte enzymatische Veränderungen im menschlichen Grosshirncortex. *Aktuel Gerontol* 8(8):441-8, Aug 78 (Eng. Abstr.) (Ger)  
ACETYLCHOLINESTERASE, metabolism/  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADULT/ AGED/ \*AGING/  
CARBONIC ANHYDRASE, metabolism/  
\*CEREBRAL CORTEX, enzymology/ ENGLISH  
ABSTRACT/ FEMALE/ HUMAN/ MALE/  
MIDDLE AGE/ PROTEIN KINASE, metabolism
3326. Reichman ME, Vilee CA: Estradiol binding by rat thymus cytosol. *J Steroid Biochem* 9(7):637-41, Jul 78  
ADRENALECTOMY/ AGING/ ANIMAL/  
BINDING, COMPETITIVE/ CASTRATION/  
CYTOSOL, metabolism/ \*ESTRADIOL, metabolism/  
FEMALE/ KINETICS/ MALE/ ORGAN  
SPECIFICITY/ RATS/ \*RECEPTORS, ESTROGEN,  
metabolism/ SEX FACTORS/ THYMUS GLAND,  
growth & development/ \*THYMUS GLAND,  
metabolism
3327. Reiffenstuhl G: Diagnostische Probleme bei der Eileiterschwangerschaft. *Wien Med Wochenschr* 128(15):471-3, 15 Aug 78 (Ger)  
ADNEXAL DISEASES, diagnosis/ DIAGNOSIS,  
DIFFERENTIAL/ FEMALE/ GONADOTROPINS,  
CHORIONIC, urine/ HUMAN/ PREGNANCY/  
PREGNANCY, ABDOMINAL, diagnosis/  
\*PREGNANCY, TUBAL, diagnosis/ PREGNANCY,  
TUBAL, urine/ ULTRASONICS, diagnostic use
3328. Reinberg A, Lagoguey M: Annual endocrine rhythms in healthy young adult men: their implication in human biology and medicine. pp. 113-21.  
In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
ADRENAL CORTEX HORMONES, blood/ ADULT/  
\*CIRCADIAN RHYTHM/ DISEASE,  
physiopathology/ FSH, blood/ \*HORMONES,  
physiology/ HUMAN/ HYDROCORTISONE, blood/  
LH, blood/ MALE/ MONOGRAPH/  
\*PERIODICITY/ PROLACTIN, blood/ RENIN,  
blood/ SEASONS/ TESTOSTERONE, blood/  
THYROXINE, blood
3329. Reinisch JM, Simon NG, Karow WG, et al: Prenatal exposure to prednisone in humans and animals retards intrauterine growth. *Science* 202(4366):436-8, 27 Oct 78  
ANIMAL/ \*BIRTH WEIGHT, drug effects/  
FEMALE/ \*FETUS, drug effects/ HUMAN/  
\*INFANT, LOW BIRTH WEIGHT/ INFANT,  
NEWBORN/ MALE/ MICE/ \*PREDNISONE,  
adverse effects/ \*PREGNANCY, drug effects
3330. Reinold E: Weheninduktion. *Wien Klin Wochenschr* 90(18):649-54, 29 Sep 78 (Eng. Abstr.) (Ger)  
ENGLISH ABSTRACT/ FEMALE/ HUMAN/  
\*LABOR, INDUCED/ LABOR, INDUCED, adverse  
effects/ LABOR, INDUCED, methods/ OXYTOCICS,  
administration & dosage/ PREGNANCY/  
PROSTAGLANDINS, administration & dosage/  
UTERUS, drug effects
3331. Remtulla MA, Katz S, Applegarth DA: Effect of taurine on ATP-dependent calcium transport in guinea-pig cardiac muscle. *Life Sci* 23(4):383-90, 24 Jul 78  
ADENOSINE TRIPHOSPHATE, physiology/  
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE,  
drug effects/ \*CALCIUM, metabolism/ GUINEA  
PIGS/ IN VITRO/ MICROSOMES, drug effects/  
MICROSOMES, metabolism/ \*MYOCARDIUM,  
metabolism/ MYOCARDIUM, ultrastructure/  
PROTEIN KINASE, metabolism/ SARCOPLASMIC  
RETICULUM, drug effects/ SARCOPLASMIC  
RETICULUM, metabolism/ \*TAURINE,  
pharmacodynamics/ TIME FACTORS
3332. Remuzzi G, Misiani R, Marchesi D, et al: Haemolytic-uraemic syndrome: deficiency of plasma factor(s) regulating prostacyclin activity? *Lancet* 2(8095):871-2, 21 Oct 78  
ANEMIA, HEMOLYTIC, blood/ ANEMIA,  
HEMOLYTIC, therapy/ ANTICOAGULANTS/  
HEMOLYTIC-UREMIC SYNDROME, blood/  
\*HEMOLYTIC-UREMIC SYNDROME, therapy/  
HUMAN/ HYPERTENSION, RENAL, blood/  
HYPERTENSION, RENAL, therapy/ \*PLASMA,  
physiology/ \*PLASMAPHERESIS/ PLATELET  
AGGREGATION/ \*PROSTAGLANDINS X,  
physiology/ \*PROSTAGLANDINS, physiology/  
THROMBOPENIA, blood/ THROMBOPENIA,  
therapy
3333. Renaud A, Sverdik RC, Andrade LL, et al: Effects of ch TSH treatment on blood sugar, serum IRI and FFA of thyroidectomized dogs. Glucose and insulin tolerance tests. *Acta Diabetol Lat* 15(3-4):119-32, May-Aug 78  
ANIMAL/ \*ANTIGENS/ ANTIGENS, analysis/  
\*BLOOD SUGAR/ BLOOD SUGAR, analysis/  
DOGS/ \*FATTY ACIDS, NONESTERIFIED, b  
GLUCOSE TOLERANCE TEST/  
\*HYPOTHYROIDISM, blood/ \*INSULIN, blood  
INSULIN, diagnostic use/ \*THYROIDECTOMY/  
\*THYROTROPIN, pharmacodynamics
3334. Renkielska M: Położnicze powikłania po sztucznym poronieniu. *Ginekol Pol* 49(5):389-93, May 78 (Eng. A)  
\*ABORTION, INDUCED, adverse effects/ ENG  
ABSTRACT/ FEMALE/ HUMAN/ INFANT  
MORTALITY/ INFANT, NEWBORN/ LABOR  
PREMATURE, etiology/ PLACENTA DISORD  
etiology/ PREGNANCY
3335. Rennie PS, Bruchovsky N, Hook SL: Androgenic regulation of a tissue specific isoenzyme of acid phosphatase in ventral prostate. *J Steroid Biochem* 9(7):585-93, Jul 78  
ACID PHOSPHATASE, isolation & purification/  
\*ACID PHOSPHATASE, metabolism/  
\*ANDROSTANEDIOL, pharmacodynamics/  
\*ANDROSTANES, pharmacodynamics/ ANIMA  
CASTRATION/ ISOENZYMES, isolation &  
purification/ \*ISOENZYMES, metabolism/  
KINETICS/ MALE/ ORGAN WEIGHT, drug ef  
PROSTATE, drug effects/ \*PROSTATE, enzymo  
RATS/ \*STANOLONE, pharmacodynamics
3336. Reuler JB: Hypothermia: pathophysiology, clinical setting and management. *Ann Intern Med* 89(4):519-27, Oct 78 (ref.)  
ACCIDENTS/ ALCOHOLISM, complications/ B  
TEMPERATURE REGULATION/ BRAIN  
DISEASES, complications/ HEAT, therapeutic  
HEMODYNAMICS/ HUMAN/ HYPOTHALAM  
\*HYPOTHERMIA/ HYPOTHERMIA, etiology/  
HYPOTHERMIA, physiopathology/  
HYPOTHERMIA, therapy/ METHODS/  
MYXEDEMA, complications/ REVIEW/ SKIN  
DISEASES, complications/ SYNDROME
3337. Reuse J: Notice sur la vie et l'oeuvre du professeur J. La membre titulaire et ancien président.  
*Bull Mem Acad R Med Belg* 133(4):241-9, 22 Apr 78  
BELGIUM/ CURRENT BIOG-OBIT/  
ENDOCRINOLOGY, history/ HISTORICAL  
ARTICLE/ HISTORY OF MEDICINE, 20TH C
3338. Revis NW, Cameron AJ: The relationship between fibroblast lactate dehydrogenase isoenzymes in the experimental hypertrophic heart of rabbits. *Cardiovasc Res* 12(6):344-50, Jun 78  
ANIMAL/ AORTIC COARCTATION, complicat  
COLLAGEN, analysis/ \*HEART ENLARGEM  
enzymology/ HEART ENLARGEMENT, etiol  
HEART ENLARGEMENT, pathology/  
HYDROXYPROLINE, analysis/ ISOPROTEREN  
\*LACTATE DEHYDROGENASE ISOENZYMO  
metabolism/ MALE/ NECROSIS/ RABBITS/  
THYROXINE
3339. Reynolds MT, Keane CT, Tomkin GH, et al: Antibodies to *Yersinia enterocolitica* serotype 3 in thyroid disease. *Br Med J* 2(6134):400-1, 5 Aug 78  
ADOLESCENCE/ ADULT/ AGED/  
\*ANTIBODIES, BACTERIAL, analysis/ CASE  
REPORT/ FEMALE/ HUMAN/  
\*HYPERTHYROIDISM, immunology/ MALE/  
MIDDLE AGE/ THYROID DISEASES,  
immunology/ \*YERSINIA, immunology
3340. Reznikov AG, Benikova EA, Demchenko VN: O vozmozhnosti primeneniia antiandrogena 4-nitro-3-trifortmetilizobutiranilida dlia otsenki gonadotropnykh rezervov gipotalamo-gipofizarnoi sistemy. *Fiziol Zh* 24(5):687-91, Sep-Oct 78 (Eng. Abstr.)  
ADOLESCENCE/ ADULT/ \*ANILIDES, diagn  
use/ ENGLISH ABSTRACT/ \*FLUTAMIDE,  
diagnostic use/ HUMAN/ \*HYPOGONADISM,  
physiopathology/ MALE/ \*PITUITARY FUNCT  
TESTS



# AUTHOR SECTION

3341. **Rheinwald JG, Green H:** Serial cultivation of strains of human epidermal keratinocytes: the formation of keratinizing colonies from single cells. *Cell* 6(3):331-43, Nov 75  
AGE FACTORS/ CELL DIVISION, drug effects/  
CELL LINE/ CLONE CELLS, metabolism/  
\*EPIDERMIS, cytology/ EPIDERMIS, metabolism/  
HUMAN/ HYDROCORTISONE, pharmacodynamics/  
KARYOTYPING/ \*KERATIN, biosynthesis
3342. **Rheinwald JG, Green H:** Formation of a keratinizing epithelium in culture by a cloned cell line derived from a teratoma. *Cell* 6(3):317-30, Nov 75  
CELL DIFFERENTIATION, drug effects/ CELL  
DIVISION/ CELL LINE/ CLONE CELLS,  
pathology/ \*EPIDERMIS, cytology/ EPITHELIUM,  
cytology/ HYDROCORTISONE, pharmacodynamics/  
\*KERATIN, metabolism/ NEOPLASMS,  
EXPERIMENTAL, pathology/ \*TERATOID  
TUMOR, pathology/ VITAMIN A, pharmacodynamics
3343. **Rhodes RK, Miller EJ:** Physicochemical characterization and molecular organization of the collagen A and B chains. *Biochemistry* 17(17):3442-8, 22 Aug 78  
AMINO ACIDS, analysis/ BONE AND BONES,  
analysis/ CARTILAGE, analysis/ \*COLLAGEN/  
COLLAGEN, isolation & purification/ FEMALE/  
HUMAN/ INFANT/ MACROMOLECULAR  
SYSTEMS/ MOLECULAR WEIGHT/ PLACENTA,  
analysis/ PREGNANCY/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
3344. **Ribeiro GG:** Carcinoma of the male breast and oestrogen metabolism [letter] *Br Med J* 2(6136):570, 19 Aug 78  
\*BREAST NEOPLASMS, drug therapy/ BREAST  
NEOPLASMS, metabolism/ ESTROGENS,  
metabolism/ HUMAN/ MALE/ TAMOXIFEN,  
therapeutic use
3345. **Rich MA, Furmanski P, Brooks SC:** Prognostic value of estrogen receptor determinations in patients with breast cancer. *Cancer Res* 38(11 Pt 2):4296-8, Nov 78  
ADULT/ AGED/ \*BREAST NEOPLASMS, analysis/  
BREAST NEOPLASMS, therapy/ FEMALE/  
HUMAN/ LYMPHATIC METASTASIS/ MIDDLE  
AGE/ \*NEOPLASMS, HORMONE-DEPENDENT,  
analysis/ NEOPLASMS, HORMONE-DEPENDENT,  
therapy/ PROGNOSIS/ \*RECEPTORS, ESTROGEN,  
analysis/ REMISSION/ TIME FACTORS/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
3346. **Richard-Foy H, Redeuilh G, Richard-Foy R:** A simple, rapid, and precise method for calculating the steroid hormone-receptor complex concentration in the presence of saturating levels of hormone by using 'differential dissociation' techniques. *Anal Biochem* 88(2):367-81, 1 Aug 78  
ANIMAL/ CATTLE/ CYTOSOL, analysis/  
ESTRADIOL, metabolism/ FEMALE/  
MATHEMATICS/ METHODS/ RADIOISOTOPE  
DILUTION TECHNIC/ RECEPTORS, ESTROGEN,  
analysis/ \*RECEPTORS, STEROID, analysis
3347. **Richards J, Nandi S:** Primary culture of rat mammary epithelial cells. I. Effect of plating density, hormones, and serum on DNA synthesis. *J Natl Cancer Inst* 61(3):765-71, Sep 78  
CELL NUMBER/ CELLS, CULTURED/ CULTURE  
MEDIA/ \*DNA, biosynthesis/ EPITHELIUM,  
cytology/ EPITHELIUM, drug effects/  
EPITHELIUM, metabolism/ ESTRADIOL,  
pharmacodynamics/ HYDROCORTISONE,  
pharmacodynamics/ INSULIN, pharmacodynamics/  
MAMMAE, cytology/ MAMMAE, drug effects/  
\*MAMMAE, metabolism/ PROGESTERONE,  
pharmacodynamics/ PROLACTIN,  
pharmacodynamics/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
3348. **Richardson PD, Withrington PG:** The effects of intra-arterial and intraportal injections of vasopressin on the simultaneously perfused hepatic arterial and portal venous vascular beds of the dog. *Circ Res* 43(4):496-503, Oct 78  
ANIMAL/ BLOOD PRESSURE, drug effects/ DOGS/  
DOSE-RESPONSE RELATIONSHIP, DRUG/  
\*HEPATIC ARTERY, drug effects/ INFUSIONS,  
INTRA-ARTERIAL/ INFUSIONS, PARENTERAL/  
LIVER CIRCULATION, drug effects/ LYPRESSIN,  
administration & dosage/ LYPRESSIN,  
pharmacodynamics/ \*PORTAL VEIN, drug effects/  
REGIONAL BLOOD FLOW, drug effects/ TIME  
FACTORS/ \*VASOCONSTRICTION, drug effects/  
\*VASODILATION, drug effects/ VASOPRESSINS,  
administration & dosage/ \*VASOPRESSINS,  
pharmacodynamics/ VEHICLES, pharmacodynamics
3349. **Richardson RL, Greco FA, Oldham RK, et al:** Tumor products and potential markers in small cell lung cancer. *Semin Oncol* 5(3):253-62, Sep 78 (79 ref.)  
APUD CELLS, secretion/ CALCITONIN, secretion/  
CARCINOMA, OAT CELL, blood/ CARCINOMA,  
OAT CELL, embryology/ \*CARCINOMA, OAT  
CELL, secretion/ CORTICOTROPIN, secretion/  
\*HORMONES, ECTOPIC, secretion/ HUMAN/  
LUNG NEOPLASMS, blood/ LUNG NEOPLASMS,  
embryology/ \*LUNG NEOPLASMS, secretion/  
REVIEW/ SYNDROME/ VASOPRESSINS, secretion
3350. **Richardson RM, Rapoport A, Oreopoulos DG, et al:** Unusual fractures associated with osteoporosis in premenopausal women. *Can Med Assoc J* 119(5):473-6, 9 Sep 78  
ADULT/ AGE FACTORS/ CASE REPORT/  
DIAGNOSIS, DIFFERENTIAL/ FEMALE/  
\*FRACTURES, SPONTANEOUS, etiology/  
FRACTURES, SPONTANEOUS, radiography/ HIP  
FRACTURES, etiology/ HIP FRACTURES,  
radiography/ HUMAN/ OSTEOMALACIA, diagnosis/  
\*OSTEOPOROSIS, complications/ OSTEOPOROSIS,  
pathology/ OSTEOPOROSIS, radiography/ WOUND  
HEALING
3351. **Rickers H, Nielsen AH, Smith Pederson R, et al:** Bone mineral loss during maintenance hemodialysis. *Acta Med Scand* 204(4):263-7, 1978  
ABSORPTION/ ADULT/ \*BONE AND BONES,  
metabolism/ FEMALE/ \*HEMODIALYSIS/  
HUMAN/ IODINE RADIOISOTOPES/ \*KIDNEY  
FAILURE, CHRONIC, metabolism/ KIDNEY  
FAILURE, CHRONIC, therapy/ MALE/ MIDDLE  
AGE/ \*MINERALS, metabolism/ \*RENAL  
OSTEODYSTROPHY, metabolism/ RENAL  
OSTEODYSTROPHY, prevention & control
3352. **Rider WD:** Critique of article by Aristizabal et al [letter] *Int J Radiat Oncol Biol Phys* 4(5-6):543, May-Jun 78  
\*CUSHING'S SYNDROME, radiotherapy/ HUMAN/  
RADIATION INJURIES, etiology/  
RADIOTHERAPY DOSAGE
3353. **Riding GV:** Lizosomy, tsiklicheskie nukleotidy i degeneratsiia setchatki. *Vestn Akad Med Nauk SSSR* (10):8-12, 1978 (40 ref.) (Eng. Abstr.) (Rus)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
analysis/ ANIMAL/ ASPIRIN, therapeutic use/  
BENORYLATE, therapeutic use/ COMPARATIVE  
STUDY/ CORTISONE, therapeutic use/  
DARKNESS/ DNA, analysis/ ENGLISH  
ABSTRACT/ GUANOSINE  
CYCLIC-3',5'-MONOPHOSPHATE, analysis/  
LYSOSOMES, enzymology/ LYSOSOMES,  
metabolism/ MICE/ NUCLEOTIDES, CYCLIC,  
metabolism/ RATS/ RATS, INBRED STRAINS/  
RETINA, metabolism/ RETINA, ultrastructure/  
RETINAL DEGENERATION, drug therapy/  
\*RETINAL DEGENERATION, metabolism/  
RETINAL DEGENERATION, pathology/ REVIEW/  
SPECIES SPECIFICITY
3354. **Riecker G:** Beta-Rezeptorenblocker. Einführung zum Thema. *Internist (Berlin)* 19(9):501-3, Sep 78 (Ger)  
\*ADRENERGIC BETA RECEPTOR  
BLOCKADERS/ ADRENERGIC BETA  
RECEPTOR BLOCKADERS, administration &  
dosage/ ARRHYTHMIA, drug therapy/ CORONARY  
DISEASE, drug therapy/ HUMAN/  
HYPERTENSION, drug therapy/  
HYPERTHYROIDISM, drug therapy/  
MYOCARDIAL DISEASES, drug therapy/ STRESS,  
PSYCHOLOGICAL, drug therapy/ TREMOR, drug  
therapy
3355. **Riedel H, Burkert W:** Blutgerinnungsdiagnostik bei akuten geburtshilflichen und gynäkologischen Blutungen mit dem Thrombelastographie-Direktschreiber Hellige. *Fortschr Med* 96(36):1800-3, 28 Sep 78 (Eng. Abstr.) (Ger)  
BLOOD COAGULATION DISORDERS,  
complications/ \*BLOOD COAGULATION/  
ENGLISH ABSTRACT/ FEMALE/  
HEMORRHAGE, POSTPARTUM, etiology/  
HUMAN/ MALE/ PLACENTA DISORDERS,  
complications/ \*THROMBELASTOGRAPHY,  
instrumentation/ \*UTERINE HEMORRHAGE,  
physiopathology



# AUTHOR SECTION

3356. Riederer P, Youdim MB, Birkmayer W, et al: Monoamine oxidase activity during (—)deprenil therapy: human brain post-mortem studies. *Adv Biochem Psychopharmacol* 19:377-82, 1978  
\*BRAIN, enzymology/ CASE REPORT/  
\*DEPRENYL, pharmacodynamics/ DEPRENYL, therapeutic use/ DOPAMINE, metabolism/ HUMAN/ IN VITRO/ MALE/ \*MONOAMINE OXIDASE, metabolism/ PARKINSON DISEASE, drug therapy/ \*PARKINSON DISEASE, enzymology/ \*PHENETHYLAMINES, pharmacodynamics/ SEROTONIN, metabolism
3357. Riesen WF, Muacevic B, Jaggi M: Radioimmunoassay and automated enzyme immunoassay for the determination of thyroxine. *J Clin Chem Clin Biochem* 16(7):387-9, Jul 78  
AUTOANALYSIS/ COMPARATIVE STUDY/ HUMAN/ IMMUNOENZYME TECHNIQS/ RADIOIMMUNOASSAY/ STATISTICS/  
\*THYROXINE, analysis
3358. Riesenfeld A: Sexual dimorphism of skeletal robusticity in several mammalian orders. *Acta Anat (Basel)* 102(4):392-8, 1978  
ANIMAL/ ANIMALS, DOMESTIC/ \*BONE AND BONES, anatomy & histology/ CARNIVORA/ DOGS/ FEMALE/ INSECTIVORA/ MALE/ \*MAMMALS, anatomy & histology/ MARSUPIALIA/ PHYLOGENY/ RATS/ RODENTS/ \*SEX CHARACTERISTICS/ SPECIES SPECIFICITY
3359. Riesenfeld A: Functional and hormonal control of pelvic width in the rat. *Acta Anat (Basel)* 102(4):427-32, 1978  
AMPUTATION/ ANIMAL/ BIOMETRY/ BODY WEIGHT/ CASTRATION/ ESTROGENS, pharmacodynamics/ FEMALE/ HINDLIMB, surgery/ MALE/ MUSCLES, physiology/ \*PELVIC BONES, anatomy & histology/ PROGESTERONE, pharmacodynamics/ \*RATS, anatomy & histology/ SACRUM, anatomy & histology/ \*SEX HORMONES, physiology
3360. Rijnberk A, Elsinghorst TA, Koeman JP, et al: Pseudohyperparathyroidism associated with perirectal adenocarcinomas in elderly female dogs. *Tijdschr Diergeneeskd* 103(20):1069-75, 15 Oct 78  
ADENOCARCINOMA, complications/  
\*ADENOCARCINOMA, veterinary/ \*DOG DISEASES, etiology/ DOG DISEASES, surgery/ DOGS/ FEMALE/ HYPERCALCEMIA, etiology/ HYPERCALCEMIA, veterinary/ HYPERPARATHYROIDISM, etiology/ \*HYPERPARATHYROIDISM, veterinary/ HYPOPHOSPHATASIA, etiology/ HYPOPHOSPHATASIA, veterinary/ MALE/ RECTAL NEOPLASMS, complications/ \*RECTAL NEOPLASMS, veterinary
3361. Rillema JA: Activation of guanylate cyclase by arachidonic acid in mammary gland homogenates from mice. *Prostaglandins* 15(5):857-65, May 78  
ANIMAL/ \*ARACHIDONIC ACIDS, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ FATTY ACIDS, pharmacodynamics/ FEMALE/ \*GUANYL CYCLASE, metabolism/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ MAMMAE, drug effects/ \*MAMMAE, enzymology/ MICE/ PREGNANCY/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3362. Ringold GM, Yamamoto KR, Tomkins GM, et al: Dexamethasone-mediated induction of mouse mammary tumor virus RNA: a system for studying glucocorticoid action. *Cell* 6(3):299-305, Nov 75  
CELL LINE/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ DEXAMETHASONE, antagonists & inhibitors/ \*DEXAMETHASONE, pharmacodynamics/ DNA, VIRAL, biosynthesis/ KINETICS/ \*MAMMARY CANCER VIRUS, genetics/ RECEPTORS, GLUCOCORTICOID, drug effects/ \*RNA, VIRAL, biosynthesis/ VIRUS REPLICATION, drug effects
3363. Rinieris PM, Christodoulou GN, Souvatzoglou AM, et al: Free-thyroxine index in psychotic and neurotic depression. *Acta Psychiatr Scand* 58(1):56-60, Jul 78  
ADULT/ AGED/ COMPARATIVE STUDY/ \*DEPRESSION, blood/ \*DEPRESSION, REACTIVE, blood/ FEMALE/ HUMAN/ MIDDLE AGE/ \*PSYCHOSES, blood/ THYROID FUNCTION
- TESTS/ \*THYROXINE, blood
3364. Ripoll P, Garcia-Bellido A: Mitotic recombination in the heterochromatin of the sex chromosomes of *Drosophila melanogaster*. *Genetics* 90(1):93-104, Sep 78  
ANIMAL/ \*DROSOPHILA MELANOGASTER genetics/ FEMALE/ GENE FREQUENCY/ GENETIC COMPLEMENTATION TEST/ \*HETEROCHROMATIN/ MALE/ MITOSIS/ MUTATION/ \*RECOMBINATION, GENETIC/ \*SEX CHROMOSOMES/ \*X CHROMOSOME/ \*CHROMOSOME
3365. Rivier JE, Vale WW: [D-pGlu<sup>1</sup>,D-Phe<sup>2</sup>,D-Trp<sup>3</sup>,6]-LRF: potent luteinizing hormone releasing factor antagonist in vivo and inhibitor of ovulation in the rat. *Life Sci* 23(8):869-78, Aug 78  
AMINO ACIDS, analysis/ ANIMAL/ CHEMISTRY/ ESTRUS/ FEMALE/ \*LH-FSH RELEASING HORMONE, analogs & derivatives/ LH-FSH RELEASING HORMONE, antagonists & inhibitors/ LH-FSH RELEASING HORMONE, chemical synthesis/ \*OVULATION, drug effects/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3366. Rivière M, Kram R: Changes in cyclic nucleotide metabolism during induced differentiation of Friend leukemic cells [proceedings] *Arch Int Physiol Biochim* 86(2):451-2, Mar 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ CELL DIFFERENTIATION/ CELL LINE/ \*ERYTHROLEUKEMIA, physiopathology/ \*FRIEND VIRUS/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ LEUKEMIA, EXPERIMENTAL, physiopathology
3367. Robert A, Delost P: Peripheral metabolism of testosterone during puberty in the male guinea-pig. *J Reprod Fertil* 53(2):273-6, Jul 78  
ANIMAL/ GUINEA PIGS/ MALE/ METABOLISM/ CLEARANCE RATE/ \*SEX MATURATION/ \*TESTOSTERONE, blood
3368. Roberts JL, Phillips M, Rosa PA, et al: Steps involved in the processing of common precursor forms of adrenocorticotropin and endorphin in cultures of mouse pituitary cells. *Biochemistry* 17(17):3609-18, 22 Aug 78  
CELL LINE/ \*CORTICOTROPIN, biosynthesis/ \*ENDORPHINS, biosynthesis/ GLUCOSAMINE, metabolism/ KINETICS/ METHIONINE, metabolism/ MOLECULAR WEIGHT/ PEPTIDE FRAGMENTATION, analysis/ PHENYLALANINE, metabolism/ PITUITARY NEOPLASMS/ \*PROTEIN PRECURSORS, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3369. Robertson DM, Suganami H, Montes HH, et al: Studies on human chorionic gonadotrophin-like material present in non-pregnant subjects. *Acta Endocrinol (Copenh)* 89(3):492-505, Nov 78  
BIOLOGICAL ASSAY/ CHROMATOGRAPHY, GEL/ FEMALE/ FSH, analysis/ \*GONADOTROPINS, CHORIONIC/ GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ IMMUNE SERUMS/ ISOELECTRIC FOCUSING/ LH, analysis/ \*PEPTIDES/ PEPTIDE ANALYSIS/ PEPTIDES, immunology/ PEPTIDES, urine/ \*PITUITARY GLAND, analysis/ RADIOIMMUNOASSAY/ THYROTROPIN, analysis
3370. Robinson AJ, Rapaport SI, Brown SF: Procoagulant activity of peritoneal leukocytes: effects of cortisone and endotoxin. *Am J Physiol* 235(3):H333-7, Sep 78  
ANIMAL/ \*BLOOD COAGULATION, drug effects/ \*CORTISONE, pharmacodynamics/ \*ENDOTOXIN, pharmacodynamics/ \*GRANULOCYTES, physiology/ \*MACROPHAGES, physiology/ RABBITS/ \*SHWARTZMAN PHENOMENON, etiology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3371. Robinson DW, Moberg GP: The feeding response to beta adrenergic active agents during lactation-induced hyperphagia. *Br Vet J* 134(5):501-3, Sep-Oct 78  
ANIMAL/ \*FEEDING BEHAVIOR, drug effects/ FEMALE/ FOOD/ \*ISOPROTERENOL, pharmacodynamics/ \*LACTATION/ \*PROPRANOLOL, pharmacodynamics/ RATS
3372. Robinson RW, Likar IN, Likar LJ: Mast cell in normal, ag



## AUTHOR SECTION

- and diseased arteries. Monogr Atheroscler (8):73-114, 1978 (193 ref.)  
 AGED/ \*ARTERIES, cytology/  
 CARDIOVASCULAR DISEASES, metabolism/  
 ENZYMES, metabolism/  
 GLYCOSAMINOGLYCANS, metabolism/  
 HEPARIN, metabolism/ HISTAMINE, metabolism/  
 HORMONES, metabolism/ HUMAN/ HYALURONIC  
 ACID, metabolism/ MAST CELLS, metabolism/  
 \*MAST CELLS, physiology/ PROTEINS, metabolism/  
 REVIEW/ SEROTONIN, metabolism/  
 SLOW-REACTING SUBSTANCES, metabolism
3373. Rochefort H, André J: Comparison between different forms of estrogen cytosol receptor and the nuclear receptor extracted by micrococcal nuclease. Cancer Res 38(11 Pt 2):4229-32, Nov 78  
 ANIMAL/ CALCIUM, pharmacodynamics/ CELL NUCLEUS, metabolism/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, DEAE-CELLULOSE/ CHROMATOGRAPHY, GEL/ COMPARATIVE STUDY/ CYTOSOL, metabolism/ DNA, metabolism/ ESTRADIOL, metabolism/ FEMALE/ MICROCOCCAL NUCLEASE/ RECEPTORS, ESTROGEN, drug effects/ \*RECEPTORS, ESTROGEN, isolation & purification/ RECEPTORS, ESTROGEN, metabolism/ SHEEP/ UTERUS, metabolism
3374. Rochefort JG, Chappelaïne A, Tolis G, et al: Studies on the diagnostic use of LH-RH. Curr Top Mol Endocrinol 3:65-72, 1976  
 ADULT/ AMENORRHEA, blood/ AMENORRHEA, therapy/ DIAGNOSIS, DIFFERENTIAL/ ESTRADIOL, blood/ FEMALE/ FSH, blood/ HUMAN/ HYPOGONADISM, blood/  
 \*HYPOGONADISM, diagnosis/ \*HYPOTHALAMUS, physiopathology/ LH, blood/ \*LH-FSH RELEASING HORMONE, diagnostic use/ LH-FSH RELEASING HORMONE, pharmacodynamics/ LH-FSH RELEASING HORMONE, therapeutic use/ MALE/ \*PITUITARY DISEASES, diagnosis/ PUBERTY/ TESTOSTERONE, blood
3375. Rochette-Egly C, Castagna M: Evidence for a role of sulfhydryl groups in catalytic activity and subunit interaction of the cyclic GMP-dependent protein kinase from silkworm. Biochim Biophys Acta 526(1):107-15, 11 Sep 78  
 ANIMAL/ CATALYSIS/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME ACTIVATION/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ MACROMOLECULAR SYSTEMS/ PROTEIN KINASE, antagonists & inhibitors/ \*PROTEIN KINASE, metabolism/ PUPA, enzymology/ \*SILKWORMS, enzymology/ \*SULFHYDRYL COMPOUNDS, metabolism/ SULFHYDRYL REAGENTS, pharmacodynamics
3376. Rochiccioli P, Dutau G, Augier D, et al: Dépistage néonatal de l'hypothyroïdie dans la Région Midi-Pyrénées. Résultats de 14 000 dosages de T4 dans l'éluat de sang prélevé sur papier buvard. Arch Fr Pédiatr 35(6):589-94, Jun-Jul 78 (Eng. Abstr.) (Fre)  
 ENGLISH ABSTRACT/ FRANCE/ HUMAN/ HYPOTHYROIDISM, blood/ \*HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, occurrence/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, blood/ \*INFANT, NEWBORN, DISEASES, occurrence/ MASS SCREENING/ THYROTROPIN, blood/ \*THYROXINE, blood/ TRIIODOTHYRONINE, blood
3377. Rodan GA: Effects of calcium on adenylate cyclase, as part of the Ca<sup>2+</sup>-cAMP feedback in biological communication. pp. 97-133.  
 In: Weiss GB, ed. Calcium in drug action. New York, Plenum Press, 1978. QV 276 S989c 1977. (135 ref.)  
 ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ADENYL CYCLASE, metabolism/ ANIMAL/ CALCIUM, metabolism/ \*CALCIUM, physiology/ CELL DIVISION/ CELL MEMBRANE, metabolism/ CELL MEMBRANE, physiology/ FEEDBACK/ FERTILIZATION/ HUMAN/ IN VITRO/ INSULIN, secretion/ KINETICS/ MONOGRAPH/ PHOTORECEPTORS, physiology/ REVIEW/ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism
3378. Rodermund OE, Hausmann D: Das Bloom-Syndrom: Übersicht und Abgrenzung. Fortschr Med 96(37):1852-8, 5 Oct 78 (Eng. Abstr.) (Ger)  
 \*ABNORMALITIES, MULTIPLE/ ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ DWARFISM/ ENGLISH ABSTRACT/ \*FACIAL DERMATOSES/ FACIAL DERMATOSES, complications/ FACIAL DERMATOSES, familial & genetic/ FACIAL DERMATOSES, pathology/ FEMALE/ HUMAN/ INFANT/ MALE/ SYNDROME/ \*TELANGIECTASIS/ TELANGIECTASIS, complications/ TELANGIECTASIS, familial & genetic/ TELANGIECTASIS, pathology
3379. Rodgers RJ: Opioid peptides, brain and behaviour: a brief review. Ir J Med Sci 147 Suppl 1:57-62, Aug 78  
 ANIMAL/ \*BEHAVIOR, ANIMAL/ \*BRAIN CHEMISTRY/ \*ENDORPHINS, physiology/ \*ENKEPHALINS, physiology/ HUMAN/ RATS/ RECEPTORS, NARCOTIC
3380. Rodrigo J, Vázquez A, Fau R: Valoración de la actividad biológica de una inmunoglobulina específica anticartilago y antiparatiroides. Rev Esp Reum Enferm Osteoartic 21(2):173-88, 1978 (Eng. Abstr.) (Spa)  
 ANIMAL/ CARTILAGE, ARTICULAR, cytology/ \*CARTILAGE, ARTICULAR, immunology/ ENGLISH ABSTRACT/ \*IMMUNOGLOBULINS, immunology/ \*PARATHYROID GLANDS, immunology/ RATS
3381. Rodríguez R, Luján M, Campos AE, et al: Morphine dependence in the isolated guinea-pig ileum and its modification by p-chlorophenylalanine. Life Sci 23(9):913-20, 4 Sep 78  
 \*P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ FEMALE/ GUINEA PIGS/ ILEUM, drug effects/ ILEUM, metabolism/ MALE/ \*MORPHINE ADDICTION, physiopathology/ \*MUSCLE CONTRACTION, drug effects/ \*MUSCLE, SMOOTH, drug effects/ MUSCLE, SMOOTH, metabolism/ NALOXONE, pharmacodynamics/ SEROTONIN, metabolism
3382. Roe DA: Drugs, diet and nutrition. ASDC J Dent Child 45(5):412-4, Sep-Oct 78  
 ABSORPTION/ APPETITE, drug effects/ CONTRACEPTIVES, ORAL, adverse effects/ \*DIET/ \*DRUG THERAPY/ \*DRUG THERAPY, adverse effects/ DRUGS, metabolism/ EATING, drug effects/ FOOD/ HUMAN/ MALABSORPTION SYNDROMES, chemically induced/ METABOLISM, drug effects/ \*NUTRITION/ PHARMACOLOGY/ RISK
3383. Roediger WE: The aldehyde fuchsin and colloidal iron staining reactions in the canine thyroid C cell. Histochem J 10(5):549-57, Sep 78  
 ANIMAL/ COLLOIDS/ COMPARATIVE STUDY/ DOGS/ \*FUCHSIN/ \*IRON/ \*PROTEOGLYCANS, analysis/ \*ROSANILINE DYES/ \*STAINS AND STAINING, methods/ \*THYROGLOBULIN, analysis/ \*THYROID GLAND, analysis
3384. Roeser HP, Stocks AE, Smith AJ: Testicular damage due to cytotoxic drugs and recovery after cessation of therapy. Aust NZ J Med 8(3):250-4, Jun 78  
 ADOLESCENCE/ ADULT/ AGED/ \*ANTINEOPLASTIC AGENTS, adverse effects/ DRUG THERAPY, COMBINATION/ FSH, blood/ HUMAN/ LYMPHOMA, blood/ \*LYMPHOMA, physiopathology/ LH, blood/ MALE/ MIDDLE AGE/ OLIGOSPERMIA, chemically induced/ SPERMATOGENESIS, drug effects/ \*TESTIS, drug effects/ TESTIS, physiopathology/ TESTOSTERONE, blood
3385. Rogos R: Untersuchungen zum Verhalten von Albumin bei akuten und chronischen Leberschäden III. Intrahepatische und Serumalbuminkonzentrationen bei Lebererkrankungen des Menschen. Z Gesamte Inn Med 33(15):506-12, 1 Aug 78 (Eng. Abstr.) (Ger)  
 ALBUMINS, metabolism/ CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ ENGLISH ABSTRACT/ FATTY LIVER, metabolism/ FEMALE/ HEPATITIS, VIRAL, HUMAN, metabolism/ HUMAN/ LIVER CIRRHOSIS, metabolism/ \*LIVER DISEASES, metabolism/ LIVER NEOPLASMS, metabolism/ \*LIVER, metabolism/ MALE/ NEOPLASM METASTASIS/ \*SERUM



# AUTHOR SECTION

- ALBUMIN, analysis
3386. Rogowski P, Faber J, Kirkegaard C, et al: Urinary excretion of thyroxine, triiodothyronine, 3,3',5'-triiodothyronine (reverse T3) and renal function in human newborns. *Acta Endocrinol (Copenh)* 89(2):276-83, Oct 78  
ADULT/ CREATININE, metabolism/ FEMALE/ FETAL BLOOD, analysis/ HUMAN/ \*INFANT, NEWBORN/ \*KIDNEY, physiology/ PREGNANCY/ RADIOIMMUNOASSAY/ THYROXINE, blood/ \*THYROXINE, urine/ TRIIODOTHYRONINE, blood/ \*TRIIODOTHYRONINE, urine/ TRIIODOTHYRONINE, REVERSE, blood/ \*TRIIODOTHYRONINE, REVERSE, urine
  3387. Röhlich P, Halász B: Fine structure of the palisade zone of the rat median eminence as revealed by freeze-fracturing. *Cell Tissue Res* 191(3):513-23, 16 Aug 78  
ANIMAL/ AXONS, ultrastructure/ CELL MEMBRANE, ultrastructure/ COLLAGEN/ CONNECTIVE TISSUE, ultrastructure/ FEMALE/ FREEZE FRACTURING/ \*HYPOTHALAMO-HYPOPHYSAL SYSTEM, ultrastructure/ INTERCELLULAR JUNCTIONS, ultrastructure/ MALE/ \*MEDIAN EMINENCE, ultrastructure/ NERVE ENDINGS, ultrastructure/ RATS
  3388. Rohner TJ Jr, Bolton TC, Hannigan J, et al: Determination of extracellular space and tissue cation in dog detrusor muscle. *Invest Urol* 16(1):57-61, Jul 78  
ANIMAL/ BLADDER/ BODY WATER, metabolism/ CALCIUM, metabolism/ \*CATIONS, metabolism/ DOGS/ \*EXTRACELLULAR SPACE, metabolism/ EDTA, metabolism/ FEMALE/ MAGNESIUM, metabolism/ MALE/ MUSCLE, SMOOTH, cytology/ \*MUSCLE, SMOOTH, metabolism/ POTASSIUM, metabolism/ SODIUM, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  3389. Roitman A, Assa S, Laron Z: Hyperprolactinaemia in a boy with hypothyroidism due to an ectopic thyroid. *Acta Paediatr Belg* 31(3):155-7, Jul-Sep 78  
CASE REPORT/ CHILD/ HUMAN/ HYPOTHYROIDISM, complications/ HYPOTHYROIDISM, drug therapy/ \*HYPOTHYROIDISM, etiology/ MALE/ \*PROLACTIN, blood/ PUBERTY, PRECOCIOUS, etiology/ \*THYROID GLAND, abnormalities/ THYROXINE, therapeutic use/ TONGUE, abnormalities
  3390. Roizen MF, White PF, Eger EI 2d, et al: Effects of ablation of serotonin or norepinephrine brain-stem areas on halothane and cyclopropane MACs in rats. *Anesthesiology* 49(4):252-5, Oct 78  
ANIMAL/ BRAIN CHEMISTRY, drug effects/ \*BRAIN STEM/ BRAIN STEM, analysis/ BRAIN STEM, physiopathology/ CEREBRAL CORTEX/ \*CYCLOPROPANES/ CYCLOPROPANES, pharmacodynamics/ \*ENVIRONMENTAL EXPOSURE/ \*HALOTHANE/ HALOTHANE, pharmacodynamics/ HYPOTHALAMUS/ LOCUS COERULEUS/ \*MAXIMUM PERMISSIBLE EXPOSURE LEVEL/ \*NOREPINEPHRINE, analysis/ RAPHE NUCLEI/ RATS/ \*SEROTONIN, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  3391. Rojo-Ortega JM, Merino Moreno J: Hígado e hipertensión arterial. *Rev Clin Esp* 149(5):419-22, 15 Jun 78 (Spa)  
ADRENAL CORTEX HORMONES, metabolism/ HUMAN/ \*HYPERTENSION, physiopathology/ \*LIVER, physiopathology
  3392. Rokhlin GD, Zhdanova NV, Ioffe IuK, et al: Znachenie rentgenografii s priamym uvelicheniem v otsenke nekotorykh morfologicheskikh izmenenii. *Arkh Anat Gistol Embriol* 75(8):83-6, Aug 78 (Eng. Abstr.) (Rus)  
ADULT/ AGE FACTORS/ AGED/ AGING/ ANGIOGRAPHY/ ANIMAL/ BONE REGENERATION/ CAPILLARIES, radiography/ COMPARATIVE STUDY/ CORONARY VESSELS, radiography/ ENGLISH ABSTRACT/ EVALUATION STUDIES/ FEMALE/ FINGERS, radiography/ HUMAN/ MIDDLE AGE/ OSTEOPOROSIS, radiography/ RABBITS/ RADIOGRAPHIC MAGNIFICATION, instrumentation/ \*RADIOGRAPHIC MAGNIFICATION, methods
  3393. Rolland R: Menstruatiestoornissen. *Ned Tijdschr Geneesk* 122(40):1497-500, 7 Oct 78 (D)  
ADOLESCENCE/ AMENORRHEA, diagnosis/ FEMALE/ HUMAN/ \*MENSTRUATION DISORDERS, diagnosis/ MENSTRUATION DISORDERS, etiology/ OLIGOMENORRHEA, diagnosis/ PITUITARY DISEASES, diagnosis/ SECHROMOSOME ABNORMALITIES, diagnosis
  3394. Romashkan NV, Oleinik VA, Gubanova EF, et al: Gliukokortikoidnaia i mineralokortikoidnaia funktsii nadpocheknikov u bol'nykh postireotoksicheskoi entsfalofaltomopatiei. *Vrach Delo* (9):94-7, Sep 78 (Eng. Abstr.) (Ru)  
\*ADRENAL GLANDS, physiopathology/ \*BRAIN DISEASES, etiology/ BRAIN DISEASES, urine/ ENGLISH ABSTRACT/ \*EYE DISEASES, etiology/ EYE DISEASES, urine/ \*GLUCOCORTICOIDS, urine/ HUMAN/ \*HYPERTHYROIDISM, complications/ HYPERTHYROIDISM, urine/ \*MINERALOCORTICOIDS, urine/ 17-HYDROXYCORTICOSTEROIDS, urine
  3395. Romero-Salinas, Quiróz-Jiménez: El succinato de estríol y efecto sobre la contractilidad del útero humano durante climaterio. *Ginecol Obstet Mex* 43(258):269-78, Apr 78 (Eng. Abstr.) (Sp)  
ADULT/ \*CLIMACTERIC, drug effects/ ENGLISH ABSTRACT/ \*ESTRIOL, pharmacodynamics/ FEMALE/ HUMAN/ MIDDLE AGE/ STIMULATION, CHEMICAL/ \*UTERINE CONTRACTION, drug effects
  3396. Römmler A, Seinsch W, Hasan AS, et al: Ultrastructure of the pituitary LH gonadotrophs in relation to serum and pituitary LH levels following repeated LH-RH stimulation. *Cell Tissue Res* 190(1):135-49, 26 Jun 78  
ANIMAL/ CYTOPLASMIC GRANULES, ultrastructure/ FEMALE/ LYOSOMES, ultrastructure/ LH, blood/ \*LH, metabolism/ \*LH-FSH RELEASING HORMONE, pharmacodynamics/ ORGANOID, ultrastructure/ \*PITUITARY GLAND, drug effects/ PITUITARY GLAND, metabolism/ \*PITUITARY GLAND, ANTERIOR, ultrastructure/ RATS
  3397. Roncari DA, Van RL: Promotion of human adipocyte precursor replication by 17beta-estradiol in culture. *J Clin Invest* 62(3):503-8, Sep 78  
\*ADIPOSE TISSUE, cytology/ ADIPOSE TISSUE, metabolism/ ADULT/ CELL DIFFERENTIATION, drug effects/ CELL DIVISION, drug effects/ CELLS, CULTURED/ DNA, biosynthesis/ \*ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ MALE/ THYMIDINE, metabolism
  3398. Rondeau DB, Jolicoeur FB, Belanger F, et al: Differential behavioral activities from anterior and posterior hypothalamic lesions in the rat. *Pharmacol Biochem Behav* 9(1):43-7, Jul 78  
ANIMAL/ APOMORPHINE, pharmacodynamics/ BEHAVIOR, ANIMAL, drug effects/ \*BEHAVIOR, ANIMAL, physiology/ CATALEPSY, chemically induced/ HYDROXYDOPAMINE, pharmacodynamics/ \*HYPOTHALAMUS, physiology/ HYPOTHALAMUS, ANTERIOR, drug effects/ \*HYPOTHALAMUS, ANTERIOR, physiology/ HYPOTHALAMUS, POSTERIOR, drug effects/ \*HYPOTHALAMUS, POSTERIOR, physiology/ MALE/ MOTOR ACTIVITY, drug effects/ RATS/ RECEPTORS, DOPAMINE, drug effects/ STEREOTYPED BEHAVIOR, drug effects
  3399. Roord JJ, Ramaekers LH: Quantification of intrauterine malnutrition. *Biol Neonate* 33(5-6):273-7, 1978  
BIRTH WEIGHT/ FEMALE/ \*FETAL GROWTH RETARDATION, diagnosis/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ MALE/ METHODS/ PHYSICAL EXAMINATION/ \*PLACENTA DISORDERS, complications/ PREGNANCY/ SKINFOLD THICKNESS
  3400. Roos BA, Deftos LJ: Regulation of calcitonin secretion in vitro. *Clin Endocrinol (Oxf)* 5 Suppl:217S-222S, 1976  
ANIMAL/ \*CALCITONIN, secretion/ CALCIUM, pharmacodynamics/ CELLS, CULTURED/ GLUCAGON, pharmacodynamics/ HUMAN/ PENTAGASTRIN, pharmacodynamics/ SECRETIN, pharmacodynamics/ THYROID NEOPLASMS, secretion/ TIME FACTORS/ TROUT/ ULTIMOBRANCHIAL BODY, cytology/



# AUTHOR SECTION

- ULTIMOBANCHIAL BODY, secretion/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3401. Roos I, Crompton M, Carafoli E: The effect of phosphoenolpyruvate on the retention of calcium by liver mitochondria. *FEBS Lett* 94(2):418-21, 15 Oct 78  
ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ \*CALCIUM, metabolism/ MEMBRANE POTENTIALS, drug effects/ \*MITOCHONDRIA, LIVER, metabolism/ OXYGEN CONSUMPTION, drug effects/ \*PHOSPHOENOLPYRUVATE, pharmacodynamics/ RATS/ RUTHENIUM RED, pharmacodynamics
3402. Rootwelt K, Solberg HE: Optimum laboratory test combinations for thyroid function studies, selected by discriminant analysis. *Scand J Clin Lab Invest* 38(5):477-83, Sep 78  
ADOLESCENCE/ ADULT/ AGED/ CHILD/ EVALUATION STUDIES/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ STATISTICS/ THYROID DISEASES, diagnosis/ \*THYROID FUNCTION TESTS, methods
3403. Ropers HH, Wolff G, Hitzeroth HW: Preferential X inactivation in human placenta membranes: is the paternal X inactive in early embryonic development of female mammals? *Hum Genet* 43(3):265-73, 19 Sep 78  
FEMALE/ \*GLUCOSEPHOSPHATE DEHYDROGENASE, genetics/ HUMAN/ INFANT, NEWBORN/ ISOENZYMES, genetics/ MALE/ MOSAICISM/ PHENOTYPE/ \*PLACENTA, enzymology/ PLACENTA, ultrastructure/ PREGNANCY/ \*SEX CHROMOSOMES/ SEX FACTORS/ \*X CHROMOSOME
3404. Roquefeuil B, Deslandes JC, Dabbagh-Markarian E, et al: Mise en évidence per-anesthésique d'un phéochromocytome. *Ann Anesthesiol Fr* 19(6):568-70, 1978 (Eng. Abstr.) (Fre)  
\*ADRENAL GLAND NEOPLASMS, diagnosis/ \*ANESTHESIA/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ HYPERTENSION, etiology/ MALE/ MIDDLE AGE/ \*PHEOCHROMOCYTOMA, diagnosis
3405. Rose JC, Conklin PM: TSH and ACTH secretion and cyclic adenosine 3'5' monophosphate content following stimulation with TRH or lysine vasopressin in vitro: suppression by thyroxine and dexamethasone. *Proc Soc Exp Biol Med* 158(4):524-9, Sep 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ \*CORTICOTROPIN, secretion/ \*DEXAMETHASONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEEDBACK/ IN VITRO/ KINETICS/ \*LYPRESSIN, pharmacodynamics/ MALE/ \*PITUITARY GLAND, ANTERIOR, drug effects/ PITUITARY GLAND, ANTERIOR, metabolism/ PITUITARY GLAND, ANTERIOR, secretion/ RATS/ \*THYROTROPIN RELEASING HORMONE, pharmacodynamics/ \*THYROTROPIN, secretion/ \*THYROXINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3406. Rose NR: Autoimmunity revisited. *Nature* 275(5676):88-90, 14 Sep 78  
ANIMAL/ \*AUTOIMMUNE DISEASES, familial & genetic/ GENES, IMMUNE RESPONSE/ HUMAN/ \*HL-A ANTIGENS, genetics/ LUPUS ERYTHEMATOSUS, SYSTEMIC, immunology/ MAJOR HISTOCOMPATIBILITY COMPLEX/ MICE, INBRED NZB, immunology/ THYROIDITIS, immunology
3407. Rose RM: Psychoendocrinology of the menstrual cycle [editorial] *N Engl J Med* 299(21):1186-7, 23 Nov 78  
ESTROGENS, physiology/ FEMALE/ HUMAN/ \*OVULATION/ \*SEX BEHAVIOR, physiology
3408. Rosen IB, Strawbridge HG, Walfish PG, et al: Malignant pseudothyroiditis: a new clinical entity. *Am J Surg* 136(4):445-9, Oct 78  
ADENOCARCINOMA, diagnosis/ ADULT/ AGED/ CARCINOMA, PAPILLARY, diagnosis/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ \*THYROID NEOPLASMS, diagnosis/ THYROID NEOPLASMS, pathology/ \*THYROIDITIS, diagnosis
3409. Rosenberg G, Pall ML: Cyclic AMP and cyclic GMP in germinating conidia of *Neurospora crassa*. *Arch Microbiol* 118(1):87-90, Jul 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, genetics/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ MUTATION/ NEUROSPORA CRASSA, growth & development/ NEUROSPORA CRASSA, genetics/ \*NEUROSPORA CRASSA, metabolism/ \*NEUROSPORA, metabolism/ SPORES, FUNGAL, growth & development/ SPORES, FUNGAL, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3410. Rosenberg SA, Kaplan HS, Portlock CS, et al: Combined modality therapy of Hodgkin's disease: a report on the Stanford Trials. *Cancer* 42(2 Suppl):991-1000, Aug 78  
\*ANTINEOPLASTIC AGENTS, therapeutic use/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DRUG THERAPY, COMBINATION/ FEMALE/ \*HODGKIN'S DISEASE, therapy/ HUMAN/ MALE/ MECHLORETHAMINE, therapeutic use/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ RADIOTHERAPY, HIGH ENERGY/ RECURRENCE/ REMISSION/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VINCRISTINE, therapeutic use
3411. Rosenberger L, Triggler DJ: Calcium, calcium translocation, and specific calcium antagonists. pp. 3-31. In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (135 ref.)  
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CALCIUM, antagonists & inhibitors/ \*CALCIUM, metabolism/ CALCIUM, physiology/ CATIONS, pharmacodynamics/ D 600, pharmacodynamics/ IN VITRO/ ION CHANNELS, drug effects/ IONOPHORES, pharmacodynamics/ IPROVERATRIL, pharmacodynamics/ MONOGRAPH/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ MYOCARDIAL CONTRACTION, drug effects/ NIFEDIPINE, pharmacodynamics/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3412. Rosenblatt M, Shepard GL, Tyler GA, et al: Modification of the arginines in parathyroid hormone: effect on biological activity. *Biochemistry* 17(16):3188-91, 8 Aug 78  
ADENYL CYCLASE, metabolism/ AMINO ACID SEQUENCE/ ANIMAL/ \*ARGININE/ BIOLOGICAL ASSAY/ CYCLOHEXANONES/ KIDNEY CORTEX, enzymology/ \*PARATHYROID HORMONE/ PARATHYROID HORMONE, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3413. Rosenblatt S, Hershman JM: Serum thyroid hormones in patients on replacement or suppressive doses of L-thyroxine. *West J Med* 129(2):165-7, Aug 78  
DOSE-RESPONSE RELATIONSHIP, DRUG/ HUMAN/ \*THYROID HORMONES, blood/ \*THYROXINE, therapeutic use
3414. Rosenblatt S, Hershman JM: Thyroid hormones in uncontrolled diabetes mellitus [letter] *JAMA* 240(19):2047, 3 Nov 78  
ACUTE DISEASE/ \*DIABETES MELLITUS, blood/ HUMAN/ REMISSION/ \*THYROID HORMONES, blood
3415. Rosenblum P, Zilkha A: Sudden visual loss secondary to an orbital varix. *Surv Ophthalmol* 23(1):49-56, Jul-Aug 78  
CASE REPORT/ EXOPHTHALMOS/ HUMAN/ MALE/ MIDDLE AGE/ \*ORBIT, blood supply/ ORBIT, pathology/ TOMOGRAPHY, COMPUTERIZED AXIAL/ ULTRASONICS, diagnostic use/ \*VARICOSE VEINS, congenital/ VARICOSE VEINS, diagnosis/ VARICOSE VEINS, pathology/ \*VISION DISORDERS, etiology
3416. Rosenfeld CR, Rivera R: Circulatory responses to systemic infusions of estrone and estradiol-17alpha in nonpregnant, oophorectomized ewes. *Am J Obstet Gynecol* 132(4):442-8, 15 Oct 78  
ANIMAL/ CARDIAC OUTPUT, drug effects/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ \*ESTRADIOL, pharmacodynamics/ ESTRONE, administration & dosage/ \*ESTRONE, pharmacodynamics/ FEMALE/



## AUTHOR SECTION

- REGIONAL BLOOD FLOW, drug effects/ SHEEP/  
UNITED STATES GOV'T SUPPORTED, P.H.S./  
\*UTERUS, blood supply/ VASODILATION, drug  
effects
3417. Rosenfield A: Oral and intrauterine contraception: a 1978 risk assessment. *Am J Obstet Gynecol* 132(1):92-106, 1 Sep 78 (92 ref.)  
ABNORMALITIES, DRUG-INDUCED, etiology/  
ABORTION, etiology/ ADNEXITIS, etiology/  
ADOLESCENCE/ ADULT/ BREAST  
NEOPLASMS, chemically induced/  
\*CONTRACEPTIVES, ORAL, adverse effects/  
\*CONTRACEPTIVES, ORAL, SYNTHETIC, adverse  
effects/ FEMALE/ GALLBLADDER DISEASES,  
chemically induced/ HEPATOMA, chemically induced/  
HUMAN/ HYPERTENSION, chemically induced/  
\*INTRAUTERINE DEVICES, adverse effects/  
LIVER NEOPLASMS, chemically induced/ MALE/  
MORTALITY/ MYOCARDIAL INFARCTION,  
chemically induced/ MYOCARDIAL INFARCTION,  
mortality/ PELVIC NEOPLASMS, chemically  
induced/ PREGNANCY/ PROSPECTIVE STUDIES/  
REVIEW/ RISK/ SMOKING, complications/  
THROMBOEMBOLISM, chemically induced/  
THROMBOEMBOLISM, mortality/ UTERINE  
PERFORATION, etiology
3418. Rosenthal D, Fridman J, Ribeiro HB: Teste de supressão  
tireoidiana pela dextrotiroxina. *AMB* 24(6):197-9, Jun 78 (Eng.  
Abstr.) (Por)  
COMPARATIVE STUDY/ \*DEXTROTHYRAXINE,  
diagnostic use/ ENGLISH ABSTRACT/ HUMAN/  
IODINE RADIOISOTOPES, diagnostic use/  
THYROID DISEASES, diagnosis/ \*THYROID  
FUNCTION TESTS/ THYROID FUNCTION  
TESTS, adverse effects
3419. Rosin RD, Exarchakos G, Gilmore OJ, et al: Topical  
noxythiolin in colonic healing. *Br J Surg* 65(9):603-6, Sep  
78  
ADMINISTRATION, TOPICAL/ ANIMAL/  
\*COLON, surgery/ FEMALE/ NOXYTHIOLIN,  
administration & dosage/ \*NOXYTHIOLIN, therapeutic  
use/ RATS/ SEPTICEMIA, prevention & control/  
SURGICAL WOUND INFECTION, prevention &  
control/ \*THIOUREA, analogs & derivatives/ TIME  
FACTORS/ \*WOUND HEALING, drug effects
3420. Ross DH: Effects of opiate drugs on the metabolism of calcium  
in synaptic tissue. pp. 241-59.  
In: Weiss GB, ed. Calcium in drug action. New York,  
Plenum Press, 1978. QV 276 S989c 1977. (75 ref.)  
ANIMAL/ \*CALCIUM, metabolism/ CALCIUM,  
physiology/ IN VITRO/ MONOGRAPH/  
\*NARCOTICS, pharmacodynamics/ RECEPTORS,  
NARCOTIC, metabolism/ REVIEW/ SYNAPSES,  
drug effects/ \*SYNAPSES, metabolism/  
SYNAPTOSOMES, metabolism
3421. Rössler R, Kalbitzer S: Spezielle Probleme bei  
Hypophysentumoren. Sieben ausgewählte Beobachtungen  
(I). *Med Welt* 29(42):1649-52, 20 Oct 78 (Ger)  
ACROMEGALY, etiology/ ADENOMA,  
EOSINOPHILIC, surgery/ ADULT/ HUMAN/  
HYPOPITUITARISM, etiology/ MALE/ MIDDLE  
AGE/ PITUITARY NEOPLASMS, complications/  
\*PITUITARY NEOPLASMS, diagnosis/ PITUITARY  
NEOPLASMS, surgery
3422. Rostami P: Exploration fonctionnelle thyroïdienne par  
différentes méthodes de séparation des composés radioiodés  
du plasma chez le rat. *Acta Med Iran* 19(4):255-66, 1976  
(Eng. Abstr.) (Fre)  
ANIMAL/ CHROMATOGRAPHY, GEL/  
CHROMATOGRAPHY, ION EXCHANGE/  
COMPARATIVE STUDY/ ENGLISH ABSTRACT/  
FEMALE/ \*PROTEIN-BOUND IODINE TEST,  
methods/ RATS/ \*THYROID FUNCTION TESTS,  
methods/ THYROID HORMONES, blood/  
TRICHLOROACETIC ACID, diagnostic use
3423. Rostas A, McLean DI, Wilkinson RD: Management of recurrent  
aphthous stomatitis. *A review. Cutis* 22(2):183-9, Aug 78 (30  
ref.)  
ADMINISTRATION, TOPICAL/ ESTROGENS,  
SYNTHETIC, therapeutic use/ FEMALE/  
GLUCOCORTICOIDS, therapeutic use/ HUMAN/  
LEVAMISOLE, therapeutic use/ LIDOCAINE,  
therapeutic use/ RECURRENCE/ REVIEW/  
\*STOMATITIS, APHTHOUS, drug therapy/
- STOMATITIS, APHTHOUS, etiology/  
TETRACYCLINE, administration & dosage/  
TETRACYCLINE, therapeutic use
3424. Rothman SL, Barry JW: Computerized tomography in the  
evaluation of the empty sella. Computerized tomographic  
case of the month. *Conn Med* 42(8):507-8, Aug 78  
ADULT/ CASE REPORT/ \*EMPTY SELLA  
SYNDROME, radiography/ FEMALE/ HUMAN/  
MALE/ TOMOGRAPHY, COMPUTERIZED  
AXIAL
3425. Rothuizen J, Voorhout G, Okkens AC, et al: Urovagina  
associated with female pseudohermaphroditism in four  
litters from one litter. *Tijdschr Diergeneeskd*  
103(20):1109-13, 15 Oct 78  
ANIMAL/ CASE REPORT/ \*DOG DISEASES,  
familial & genetic/ DOGS/ FEMALE/  
PSEUDOHERMAPHRODITISM, complications/  
PSEUDOHERMAPHRODITISM, familial & genetic/  
\*PSEUDOHERMAPHRODITISM, veterinary/  
URINARY INCONTINENCE, etiology/ \*URINARY  
INCONTINENCE, veterinary
3426. Rotkina IE: Prichinno-sledstvennye otnosheniia mezhd  
endometriozom i besplodiem i prognoz vosstanovleniia  
detorodnoi funktsii v zavisimosti ot vida terapii.  
*Akush Ginekol (Mosk)* (8):56-9, Aug 78 (Eng. Abstr.) (Rus)  
CERVIX NEOPLASMS, complications/  
\*ENDOMETRIOSIS, complications/  
ENDOMETRIOSIS, therapy/ ENGLISH  
ABSTRACT/ FALLOPIAN TUBE NEOPLASMS,  
complications/ FEMALE/ HUMAN/ OVARIAN  
NEOPLASMS, complications/ PREGNANCY/  
PROGESTATIONAL HORMONES, SYNTHETIC,  
therapeutic use/ PROGNOSIS/ \*STERILITY,  
FEMALE, etiology/ STERILITY, FEMALE, therapy/  
UTERINE NEOPLASMS, complications
3427. Rotsztejn WH, Drouva SV, Pattou E, et al: Effect of morphine  
on the basal and the dopamine-induced release of LHRH  
from mediobasal hypothalamic fragments in vitro.  
*Eur J Pharmacol* 50(3):285-6, 1 Aug 78  
ANIMAL/ \*DOPAMINE, pharmacodynamics/  
\*HYPOTHALAMUS, metabolism/  
HYPOTHALAMUS, MEDIAL, drug effects/  
\*HYPOTHALAMUS, MEDIAL, metabolism/ IN  
VITRO/ \*LH-FSH RELEASING HORMONE,  
metabolism/ MALE/ \*MORPHINE,  
pharmacodynamics/ NALOXONE, pharmacodynamics/  
RATS
3428. Roudebush CP, Asteris GT: Thyroid function tests for the  
practicing physician. *J Indiana State Med Assoc* 71(9):837-9,  
Sep 78  
ANTIBODIES, analysis/ HUMAN/ \*THYROID  
FUNCTION TESTS/ THYROTROPIN RELEASING  
HORMONE, blood/ THYROTROPIN, blood/  
THYROXINE, blood/ TRIIODOTHYRONINE, blood
3429. Rousset B, Jordan D, Cure M, et al: Regulation of TSH  
secretion in rats chronically exposed to heat (34 degrees C).  
*Pfluegers Arch* 375(2):177-81, 18 Jul 78  
ANIMAL/ \*HEAT/ MALE/  
RADIOIMMUNOASSAY/ RATS/ \*THYROID  
GLAND, physiology/ THYROID GLAND, secretion/  
\*THYROTROPIN, secretion/ THYROXINE  
BINDING PROTEIN, metabolism/ THYROXINE,  
blood/ TRIIODOTHYRONINE, blood
3430. Roux M, Fieschi M, Sambuc R, et al: Aide a la décision en  
médecine. Méthode logique et application à la pathologie  
thyroïdienne. *Sem Hop Paris* 54(13-16):554-2, May 78 (17  
ref.) (Fre)  
HUMAN/ \*LOGIC/ PROGNOSIS/ REVIEW/  
\*THYROID DISEASES, diagnosis/ THYROID  
DISEASES, pathology/ THYROID DISEASES,  
therapy
3431. Rowell N: Adverse effects of superficial X-ray therapy and  
recommendations for safe use in benign dermatoses.  
*J Dermatol Surg Oncol* 4(8):630-4, Aug 78  
ACUTE DISEASE/ ADULT/ AGE FACTORS/  
CHRONIC DISEASE/ HUMAN/ MIDDLE AGE/  
NEOPLASMS, RADIATION-INDUCED, etiology/  
\*RADIATION INJURIES, etiology/  
RADIODERMATITIS, etiology/ RADIOTHERAPY  
DOSAGE/ \*RADIOTHERAPY, adverse effects/  
SAFETY/ \*SKIN DISEASES, radiotherapy/ SKIN  
NEOPLASMS, etiology/ THYROID NEOPLASMS,



# AUTHOR SECTION

- etiology/ \*X-RAY THERAPY, adverse effects
32. Rowell PP, Sastry BV: The influence of cholinergic blockade on the uptake of alpha-aminoisobutyric acid by isolated human placental villi. *Toxicol Appl Pharmacol* 45(1):79-93, Jul 78  
ACETYLCHOLINE, pharmacodynamics/  
\*AMINOISOBUTYRIC ACID, metabolism/  
ATROPINE, pharmacodynamics/ COLD/  
ECHOTHIOPHATE IODIDE, pharmacodynamics/  
FEMALE/ HUMAN/ IN VITRO/ NICOTINE,  
pharmacodynamics/ \*PARASYMPATHOLYTICS,  
pharmacodynamics/ PLACENTA, drug effects/  
\*PLACENTA, metabolism/ PLACENTA,  
ultrastructure/ PREGNANCY/ TEMPERATURE/  
TIME FACTORS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
33. Rowley-Jones D: Cimetidine and serum-prolactin [letter]  
*Lancet* 2(8090):635, 16 Sep 78  
ADMINISTRATION, ORAL/ \*CIMETIDINE,  
administration & dosage/ COMPARATIVE STUDY/  
\*GUANIDINES, administration & dosage/ HUMAN/  
INJECTIONS, INTRAVENOUS/ MALE/  
\*PROLACTIN, blood
34. Royce GJ: Cells of origin of subcortical afferents to the caudate nucleus: a horseradish peroxidase study in the cat.  
*Brain Res* 153(3):465-75, 29 Sep 78  
AFFERENT PATHWAYS, cytology/  
AMYGDALOID BODY, cytology/ ANIMAL/  
CATS/ \*CAUDATE NUCLEUS, cytology/  
CEREBRAL CORTEX, cytology/ DOMINANCE,  
CEREBRAL, physiology/ HORSERADISH  
PEROXIDASE/ NEURONS, cytology/ RAPHE  
NUCLEI, cytology/ RETROGRADE  
DEGENERATION/ SUBSTANTIA NIGRA,  
cytology/ TEGMENTUM MESENCEPHALI,  
cytology/ \*THALAMIC NUCLEI, cytology/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
35. Rožčová L: Změny kostní tkáň u laktujících kryš. *Sb Lek*  
80(10):303-9, Oct 78 (Eng. Abstr.) (Cze)  
ANIMAL/ \*BONE AND BONES, pathology/  
ENGLISH ABSTRACT/ FEMALE/ \*LACTATION/  
OSTEOPOROSIS, etiology/ \*OSTEOPOROSIS,  
pathology/ PREGNANCY/ RATS
36. Roze LV, Rozenfel'd EL: Vliianie biogennykh aminov na fosforoliz i gamma-amiloliz glikogena v serdechnoi myshtse krysy pri anestezii. *Vopr Med Khim* 24(5):690-4, Sep-Oct 78 (Eng. Abstr.) (Rus)  
ANESTHESIA, GENERAL/ ANIMAL/ \*BIOGENIC  
AMINES, administration & dosage/ COMPARATIVE  
STUDY/ ENGLISH ABSTRACT/ EPINEPHRINE,  
pharmacodynamics/ \*ETHER, ETHYL, administration  
& dosage/ \*ETHYL ETHERS, administration &  
dosage/ GLUCOSIDASES, metabolism/  
\*GLYCOGEN, metabolism/ MALE/  
MYOCARDIUM, enzymology/ \*MYOCARDIUM,  
metabolism/ NOREPINEPHRINE,  
pharmacodynamics/ \*PENTOBARBITAL,  
administration & dosage/ RATS/ SEROTONIN,  
pharmacodynamics/ TRYPTAMINES,  
pharmacodynamics/ TYRAMINE, pharmacodynamics
37. Rozovskii IS, Dzenis IG: Germafroditizm--patogeneza, klinika, puti terapii. *Akush Ginekol (Mosk)* (8):67-73, Aug 78 (Rus)  
ADOLESCENCE/ CHILD/ CHILD, PRESCHOOL/  
DIAGNOSIS, DIFFERENTIAL/ FEMALE/  
HERMAPHRODITISM, diagnosis/  
\*HERMAPHRODITISM, etiology/  
HERMAPHRODITISM, therapy/ HUMAN/ MALE/  
PSEUDOHERMAPHRODITISM, diagnosis/  
PSEUDOHERMAPHRODITISM, etiology/ SEX  
DETERMINATION/ TESTICULAR  
FEMINIZATION, diagnosis/ TESTICULAR  
FEMINIZATION, etiology/ TURNER'S  
SYNDROME, diagnosis/ TURNER'S SYNDROME,  
etiology
38. Ruban SZ: Vliianie normal'noi mikroflory, vozrasta i pola kryš na uroven' IgG2 v syvorotke krvi. *Biull Eksp Biol Med* 86(9):335-7, Sep 78 (Eng. Abstr.) (Rus)  
AGE FACTORS/ ANIMAL/ ANIMALS,  
NEWBORN/ ENGLISH ABSTRACT/ FEMALE/  
\*GERM-FREE LIFE/ \*IGG, analysis/  
LACTATION/ MATERNAL-FETAL EXCHANGE/  
PREGNANCY/ RATS/ RATS, INBRED STRAINS/  
SEX FACTORS
3439. Rubin CS, Hirsch A, Fung C, et al: Development of hormone receptors and hormonal responsiveness in vitro. Insulin receptors and insulin sensitivity in the preadipocyte and adipocyte forms of 3T3-L1 cells. *J Biol Chem* 253(20):7570-8, 25 Oct 78  
ADIPOSE TISSUE, drug effects/ \*ADIPOSE TISSUE,  
physiology/ CELL DIFFERENTIATION, drug  
effects/ CELL LINE/ DEXAMETHASONE,  
pharmacodynamics/ \*INSULIN, pharmacodynamics/  
KINETICS/ RECEPTORS, INSULIN, drug effects/  
\*RECEPTORS, INSULIN, physiology/ UNITED  
STATES GOV'T SUPPORTED, P.H.S./  
1-METHYL-3-ISOBUTYLXANTHINE,  
pharmacodynamics
3440. Rubin R, Georgi M, Kissler W, et al: Desquamative interstitielle Pneumonie Periphere Eosinophilie bei DIP: ein neuer klinischer Aspekt. *Prax Klin Pneumol* 32(9):598-612, Sep 78 (49 ref.) (Eng. Abstr.) (Ger)  
\*ADRENAL CORTEX HORMONES, therapeutic use/  
ADULT/ ALVEOLITIS, EXTRINSIC ALLERGIC,  
diagnosis/ CASE REPORT/ COLLAGEN  
DISEASES, diagnosis/ DIAGNOSIS,  
DIFFERENTIAL/ ENGLISH ABSTRACT/  
\*EOSINOPHILIA, complications/ EOSINOPHILIA,  
drug therapy/ FEMALE/ HISTIOCYTOSIS X,  
diagnosis/ HUMAN/ ISONIAZID, therapeutic use/  
LOEFFLER'S SYNDROME, diagnosis/ LUNG,  
radiography/ \*PNEUMONIA, complications/  
PNEUMONIA, diagnosis/ PNEUMONIA, drug  
therapy/ REVIEW/ RIFAMPIN, therapeutic use/  
TETRACYCLINE, therapeutic use
3441. Rubin RP, Laychock SG: Prostaglandins, calcium, and cyclic nucleotides in stimulus-response coupling. pp. 135-55. In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S98c 1977. (97 ref.)  
ANIMAL/ CALCIUM, metabolism/ \*CALCIUM,  
physiology/ IN VITRO/ MONOGRAPH/ MUSCLE  
CONTRACTION/ NUCLEOTIDES, CYCLIC,  
metabolism/ \*NUCLEOTIDES, CYCLIC, physiology/  
PROSTAGLANDINS, metabolism/  
\*PROSTAGLANDINS, physiology/ REVIEW/  
SECRETORY RATE
3442. Rubin RP, Laychock SG: Prostaglandins and calcium-membrane interactions in secretory glands. *Ann NY Acad Sci* 307:377-90, 28 Apr 78 (51 ref.)  
ADRENAL CORTEX, drug effects/ \*ADRENAL  
CORTEX, metabolism/ ADRENAL CORTEX,  
secretion/ ANIMAL/ \*CALCIUM, metabolism/  
CALCIUM, pharmacodynamics/ CATS/ \*CELL  
MEMBRANE, metabolism/ COMPARATIVE  
STUDY/ CORTICOTROPIN, analogs & derivatives/  
CORTICOTROPIN, pharmacodynamics/ IN VITRO/  
MODELS, BIOLOGICAL/ PHOSPHOLIPASE,  
metabolism/ PREGNENOLONE, pharmacodynamics/  
PROSTAGLANDINS E, secretion/  
PROSTAGLANDINS F, secretion/  
\*PROSTAGLANDINS, biosynthesis/ RECEPTORS,  
HORMONE/ REVIEW/ STEROIDS, biosynthesis/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
3443. Rubinger D, Friedlander M, Superstine E: Hypersensitivity to tablet additives in transplant recipients on prednisone [letter]  
*Lancet* 2(8091):689, 23 Sep 78  
\*ACACIA/ \*ADHESIVES, adverse effects/  
\*DERMATITIS MEDICAMENTOSA/ \*DRUG  
HYPERSENSITIVITY/ HUMAN/ \*JOINT  
DISEASES, chemically induced/ KIDNEY,  
transplantation/ \*PLANT EXTRACTS, adverse effects/  
\*PREDNISONE, administration & dosage/ TABLETS/  
TRAGACANTH, adverse effects/  
TRANSPLANTATION, HOMOLOGOUS
3444. Rubinow A, Celli BR, Cohen AS, et al: Localized amyloidosis of the lower respiratory tract. *Am Rev Respir Dis* 118(3):603-11, Sep 78  
ADRENAL CORTEX HORMONES, therapeutic use/  
ADULT/ \*AMYLOIDOSIS/ AMYLOIDOSIS,  
diagnosis/ AMYLOIDOSIS, pathology/  
AMYLOIDOSIS, therapy/ BRONCHI, pathology/  
BRONCHOSCOPY/ CASE REPORT/ FEMALE/  
HUMAN/ LUNG, pathology/ MALE/ MIDDLE  
AGE/ PNEUMONECTOMY/ \*RESPIRATORY  
TRACT DISEASES/ RESPIRATORY TRACT  
DISEASES, diagnosis/ RESPIRATORY TRACT  
DISEASES, pathology/ RESPIRATORY TRACT  
DISEASES, therapy/ TRACHEA, pathology/  
TRACHEOTOMY/ UNITED STATES GOV'T



# AUTHOR SECTION

## SUPPORTED, P.H.S.

3445. Rubins J: Cutaneous Hodgkin's disease: indolent course and control with chemotherapy. *Cancer* 42(3):1219-21, Sep 78  
AGED/ CASE REPORT/ DRUG THERAPY, COMBINATION/ FEMALE/ \*HODGKIN'S DISEASE, drug therapy/ HODGKIN'S DISEASE, etiology/ HODGKIN'S DISEASE, radiotherapy/ HUMAN/ NEOPLASM CIRCULATING CELLS/ \*PREDNISON, therapeutic use/ REMISSION/ \*SKIN NEOPLASMS, drug therapy/ SKIN NEOPLASMS, etiology/ \*VINBLASTINE, therapeutic use

3446. Rubio-Lotvin B, Gonzales-Ansorena R: Experience with a new low dose oral contraceptive: norgestimate & ethinyl estradiol. *Acta Eur Fertil* 9(1):1-6, Mar 78

ADULT/ \*CONTRACEPTIVES, ORAL, pharmacodynamics/ CONTRACEPTIVES, ORAL, COMBINED, administration & dosage/ CONTRACEPTIVES, ORAL, COMBINED, adverse effects/ \*CONTRACEPTIVES, ORAL, COMBINED, pharmacodynamics/ ETHINYL ESTRADIOL, administration & dosage/ ETHINYL ESTRADIOL, adverse effects/ \*ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ HUMAN/ MENSTRUATION, drug effects/ \*NORGESTREL, analogs & derivatives/ NORGESTREL, administration & dosage/ NORGESTREL, adverse effects/ NORGESTREL, pharmacodynamics

3447. Rubio Pérez P, Sánchez Sánchez ML, Vila Canella T, et al: Niveles de hormona somatotropa en plasma y modificaciones del crecimiento en los pacientes con fibrosis quística. *Rev Clin Esp* 149(3):229-32, 15 May 78 (Eng. Abstr.)

(Spa)  
ADOLESCENCE/ ADULT/ ARGININE, pharmacodynamics/ BODY HEIGHT/ BODY WEIGHT/ CHILD/ \*CYSTIC FIBROSIS, blood/ ENGLISH ABSTRACT/ FEMALE/ \*GROWTH DISORDERS, blood/ HUMAN/ MALE/ PITUITARY GLAND, physiology/ \*SOMATOTROPIN, blood/ STIMULATION, CHEMICAL

3448. Rübsamen H, Eldefrawi AT, Eldefrawi ME, et al: Characterization of calcium-binding sites of the purified acetylcholine receptor and identification of the calcium-binding subunit. *Biochemistry* 17(18):3818-25, 5 Sep 78

\*ACETYLCHOLINE, metabolism/ ANIMAL/ \*CALCIUM, metabolism/ \*CALCIUM-DEPENDENT REGULATOR, metabolism/ \*CARRIER PROTEINS, metabolism/ CATIONS/ ELECTRIC ORGAN, metabolism/ FISHES/ KINETICS/ PROTEIN BINDING/ \*RECEPTORS, CHOLINERGIC, metabolism/ SPECTROMETRY, FLUORESCENCE/ TERBIUM, metabolism/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3449. Rudman D, Davis T, Priest JH, et al: Prevalence of growth hormone deficiency in children with cleft lip or palate. *J Pediatr* 93(3):378-82, Sep 78

ADOLESCENCE/ CHILD/ \*CLEFT LIP, complications/ \*CLEFT PALATE, complications/ CORTICOTROPIN, deficiency/ FEMALE/ GROWTH DISORDERS, etiology/ HUMAN/ MALE/ PITUITARY GLAND, ANTERIOR, embryology/ \*SOMATOTROPIN, deficiency/ THYROTROPIN, deficiency/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3450. Rudneva LM: Monoaminy i ikh znachenie v regulatsii gonadotropnoi funktsii gipofiza ptits. *Fiziol Zh* 24(5):674-80, Sep-Oct 78 (Eng. Abstr.)

(Rus)  
ANIMAL/ \*BIOGENIC AMINES, physiology/ \*DUCKS, physiology/ ENGLISH ABSTRACT/ \*GONADOTROPINS, PITUITARY, secretion/ \*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology

3451. Ruf H, Blanc B, Arnihac C, et al: Contraception du post partum. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):590-5, Apr 78 (Eng. Abstr.)

(Fre)  
CONTRACEPTION BEHAVIOR/ \*CONTRACEPTION/ COUNSELING/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MEDROXYPROGESTERONE, administration & dosage/ PATIENTS, education/ PREGNANCY/ \*PUERPERIUM/ SEX FACTORS/

## STERILIZATION, TUBAL

3452. Ruhmann-Wennhold A, Nelson DH: Plasma ACTH levels stressed and nonstressed adrenalectomized rats. *Ann NY Acad Sci* 297:498-508, 28 Oct 77

\*ADRENALECTOMY/ ANIMAL/ COMPARATIVE STUDY/ \*CORTICOTROPIN, blood/ CORTICOTROPIN, secretion/ PITUITARY GLAND, secretion/ RATS/ \*STRESS, blood

3453. Ruiz Palomo F, Cambronero JA, Hernández I, et al: Síndrome de Fanconi y nefrocalcinosis: una asociación excepcional. *Rev Clin Esp* 149(4):401-4, 31 May 78 (Spa)

ADULT/ CASE REPORT/ \*FANCONI SYNDROME, complications/ HUMAN/ MALE/ \*NEPHROCALCINOSIS, complications

3454. Ruiz-Velasco V, Rosas Arceo J: Inducción de la ovulación con tamoxifen. *Ginecol Obstet Mex* 43(258):251-8, Apr 78 (Eng. Abstr.)

(Spa)  
ADULT/ DRUG EVALUATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*OVULATION INDUCTION/ \*OVULATION, drug effects/ STERILITY, FEMALE, drug therapy/ \*TAMOXIFEN, pharmacodynamics

3455. Rumery RE, Gaddum-Rosse P, Blandau RJ, et al: Cyclic changes in ciliation of the oviductal epithelium in the pig-tailed macaque (*Macaca nemestrina*). *Am J Anat* 153(3):345-51, Nov 78

ANIMAL/ CASTRATION/ \*CILIA, ultrastructure/ EPITHELIUM, ultrastructure/ ESTROGENS, pharmacodynamics/ \*FALLOPIAN TUBES, ultrastructure/ FEMALE/ \*MACACA, anatomy & histology/ \*MENSTRUATION/ MENSTRUATION FOLLICULAR PHASE/ MENSTRUATION, LUTEAL PHASE/ MONKEYS/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3456. Rundles RW, Moore JO: Chronic lymphocytic leukemia. *Cancer* 42(2 Suppl):941-5, Aug 78

AGED/ CHLORAMBUCIL, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ LEUKEMIA, LYMPHOCYTIC, diagnosis/ LEUKEMIA, LYMPHOCYTIC, etiology/ \*LEUKEMIA, LYMPHOCYTIC, therapy/ MALE/ MIDDLE AGE/ NEOPLASM STAGING/ PREDNISON, therapeutic use

3457. Russ JE, Scanlon EF, Christ MA: Aspiration cytology of head and neck masses. *Am J Surg* 136(3):342-7, Sep 78

ADENOLYMPHOMA, pathology/ ADENOMA, pathology/ BIOPSY, NEEDLE/ CARCINOMA, pathology/ \*HEAD AND NECK NEOPLASMS, pathology/ HUMAN/ LYMPHATIC METASTASIS, pathology/ SALIVARY GLANDS, pathology/ THYROID NEOPLASMS, pathology/ THYROIDITIS, pathology

3458. Russell DH, Combust WL, Duell EA, et al: Glucocorticoid inhibits elevated polyamine biosynthesis in psoriasis. *J Invest Dermatol* 71(3):177-81, Sep 78

EPIDERMIS, enzymology/ \*GLUCOCORTICOIDS, pharmacodynamics/ HUMAN/ POLYAMINES, analysis/ \*POLYAMINES, biosynthesis/ POLYAMINES, urine/ \*PSORIASIS, enzymology/ PUTRESCINE, analysis/ PYRUVALDEHYDE, pharmacodynamics/ SPERMIDINE, analysis/ SPERMINE, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3459. Russell JD, Russell SB, Trupin KM: Differential effects of hydrocortisone on both growth and collagen metabolism of human fibroblasts from normal and keloid tissue. *J Cell Physiol* 97(2):221-9, Nov 78

\*CELL DIVISION, drug effects/ CELLS, CULTURED/ \*COLLAGEN, biosynthesis/ DNA, metabolism/ \*FIBROBLASTS, cytology/ FIBROBLASTS, metabolism/ FIBROBLASTS, pathology/ HUMAN/ \*HYDROCORTISONE, pharmacodynamics/ KELOID, metabolism/ \*KELOID, pathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.

3460. Rustia M, Shubik P: Thyroid tumours in rats and hepatomas in mice after griseofulvin treatment. *Br J Cancer* 38(2):237-49, Aug 78

\*ADENOMA, chemically induced/ ADENOMA, pathology/ ADMINISTRATION, ORAL/ ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/



# AUTHOR SECTION

- FEMALE/ \*GRISEOFULVIN, toxicity/  
HAMSTERS/ \*HEPATOMA, EXPERIMENTAL,  
chemically induced/ MALE/ MESOCRICETUS/  
MICE/ NEOPLASMS, EXPERIMENTAL, chemically  
induced/ RATS/ \*THYROID NEOPLASMS,  
chemically induced/ THYROID NEOPLASMS,  
pathology/ UNITED STATES GOV'T SUPPORTED,  
P.H.S.
3461. **Ruszczak Z, Kaszuba A, Prószyńska-Kuczyńska W, et al:**  
Poikiloderma atrophicans ex usu unguentum synalar.  
Przegl Dermatol 65(4):421-3, Jul-Aug 78 (Eng. Abstr.)  
(Pol)  
AGED/ ATROPHY/ CASE REPORT/ ENGLISH  
ABSTRACT/ ERYTHEMA, drug therapy/ FEMALE/  
\*FLUOCINOLONE ACETONIDE, adverse effects/  
HUMAN/ \*SKIN DISEASES, chemically induced/  
SKIN, pathology
3462. **Rutanen EM:** The circulating alpha subunit of human chorionic  
gonadotrophin in gynaecologic tumours. Int J Cancer  
22(4):413-21, 15 Oct 78  
ADULT/ CERVIX NEOPLASMS, blood/  
CHORIOCARCINOMA, blood/  
CHROMATOGRAPHY, GEL/ FEMALE/  
\*GENITAL NEOPLASMS, FEMALE, blood/  
\*GONADOTROPINS, CHORIONIC, blood/  
GONADOTROPINS, CHORIONIC, immunology/  
HUMAN/ HYDATIDIFORM MOLE, blood/  
MIDDLE AGE/ NEOPLASM METASTASIS/  
OVARIAN NEOPLASMS, blood/ PREGNANCY/  
RADIOIMMUNOASSAY/ UTERINE NEOPLASMS,  
blood/ VAGINAL NEOPLASMS, blood/ VULVAR  
NEOPLASMS, blood
3463. **Rutsaï PV:** O sodержanii monoaminov v motornoï oblasti kory  
golovno go mozga posle povrezhdeniia simmetrichnoï zony  
protivopolozhnogo polusharii. Biull Eksp Biol Med  
86(9):270-1, Sep 78 (Eng. Abstr.)  
(Rus)  
ANIMAL/ CATS/ \*DOPAMINE, analysis/  
ENGLISH ABSTRACT/ LATERALITY/ MOTOR  
CORTEX, analysis/ \*MOTOR CORTEX, injuries/  
\*NOREPINEPHRINE, analysis/ \*SEROTONIN,  
analysis/ TIME FACTORS
3464. **Rutshtein LG, Briskin AI, Liapon AO:** Lechenie steroidnogo  
osteoporoza tirokalsitoninom pri khronicheskikh  
dermatozakh. Vestn Dermatol Venerol (7):85-7, Jul 78 (Eng.  
Abstr.)  
(Rus)  
\*CALCITONIN, therapeutic use/ CHRONIC  
DISEASE/ DERMATOMYCOSES, drug therapy/  
DEXAMETHASONE, adverse effects/ ENGLISH  
ABSTRACT/ HUMAN/ MIDDLE AGE/  
OSTEOPOROSIS, chemically induced/  
\*OSTEOPOROSIS, drug therapy/ PEMPFIGUS, drug  
therapy/ PREDNISOLONE, adverse effects/  
TRIAMCINOLONE, adverse effects
3465. **Ruwe WD, Myers RD:** Dopamine in the hypothalamus of the  
cat: pharmacological characterization and push-pull  
perfusion analysis of sites mediating hypothermia.  
Pharmacol Biochem Behav 9(1):65-80, Jul 78  
ANIMAL/ \*BODY TEMPERATURE  
REGULATION, drug effects/ BUTACLAMOL,  
pharmacodynamics/ CATS/ DOPAMINE,  
administration & dosage/ DOPAMINE, metabolism/  
\*DOPAMINE, pharmacodynamics/  
DOSE-RESPONSE RELATIONSHIP, DRUG/  
EATING, drug effects/ FEMALE/  
\*HYPOTHALAMUS, drug effects/  
HYPOTHALAMUS, metabolism/ MALE/  
NOREPINEPHRINE, administration & dosage/  
NOREPINEPHRINE, pharmacodynamics/  
PERFUSION/ PHENTOLAMINE,  
pharmacodynamics/ PRACTOLOL,  
pharmacodynamics/ RECEPTORS, ADRENERGIC,  
drug effects/ RECEPTORS, DOPAMINE, drug effects/  
RESPIRATION, drug effects/ UNITED STATES  
GOV'T SUPPORTED/ VASODILATION, drug  
effects
3466. **Ryden G, Berg G:** CAP, HCS and urinary oestriol assays in  
diabetic pregnancy. Acta Obstet Gynecol Scand 57(4):313-6,  
1978  
\*AMINOPEPTIDASES, blood/ BLOOD SUGAR,  
analysis/ CYSTINE/ \*ESTRIOL, urine/ FEMALE/  
HUMAN/ INFANT, NEWBORN/ INFANT,  
NEWBORN, DISEASES, etiology/ INFANT,  
NEWBORN, DISEASES, prevention & control/  
\*PLACENTAL LACTOGEN, blood/ \*PREGNANCY
- IN DIABETES, metabolism/ PREGNANCY
3467. **Rygård J, Rasmussen B:** Den solitaere kolde thyreoideatumor:  
benign eller malign? Ugeskr Laeger 140(38):2297-9, 18 Sep  
78 (Eng. Abstr.)  
(Dan)  
AGED/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH  
ABSTRACT/ FEMALE/ HUMAN/ MALE/  
MIDDLE AGE/ THYROID GLAND, pathology/  
\*THYROID NEOPLASMS/ THYROID  
NEOPLASMS, pathology/ THYROID NEOPLASMS,  
radionuclide imaging
- ## S
3468. **Sabbioni E, Marafante E, Amantini L, et al:** Cadmium toxicity  
studies under long term-low level exposure (LLE)  
conditions. I. Metabolic patterns in rats exposed to present  
environmental dietary levels of Cd for two years.  
Sci Total Environ 10(2):131-61, Sep 78  
ANIMAL/ CADMIUM, analysis/ \*CADMIUM,  
toxicity/ DIALYSIS/ DIET/ INTESTINES, analysis/  
KIDNEY, analysis/ LIVER, analysis/ MALE/  
PANCREAS, analysis/ PROTEIN BINDING/ RATS/  
SUBCELLULAR FRACTIONS, analysis/ TESTIS,  
analysis/ TIME FACTORS
3469. **Saboureaux M, Boissin J:** Seasonal changes and environmental  
control of testicular function in the hedgehog, *Erinaceus  
europaeus* L. pp. 111-2.  
In: Assenmacher I, Farner DS, ed. Environmental  
endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.  
ANIMAL/ BODY WEIGHT/ ENVIRONMENT/  
\*HEDGEHOGS, physiology/ HIBERNATION/  
MALE/ MONOGRAPH/ \*PERIODICITY/  
SEASONS/ \*TESTIS, physiology
3470. **Sachar EJ:** ACTH and cortisol secretion in psychiatric disease.  
Ann NY Acad Sci 297:621-7, 28 Oct 77  
\*CORTICOTROPIN, secretion/ DEPRESSION,  
physiopathology/ HUMAN/ \*HYDROCORTISONE,  
secretion/ \*MENTAL DISORDERS, physiopathology
3471. **Saez JM, Haour F, Loras B, et al:** Oestrogen induced Leydig  
cell refractoriness to gonadotrophin stimulation.  
Acta Endocrinol (Copenh) 89(2):379-92, Oct 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
biosynthesis/ ANIMAL/ DIBUTYRYL CYCLIC  
AMP, pharmacodynamics/ \*DNA, biosynthesis/  
\*ESTRADIOL, pharmacodynamics/ FSH, blood/  
GONADOTROPINS, CHORIONIC, metabolism/  
\*GONADOTROPINS, CHORIONIC,  
pharmacodynamics/ LEYDIG CELLS, drug effects/  
LEYDIG CELLS, metabolism/ \*LEYDIG CELLS,  
physiology/ LH, blood/ MALE/ PREGNENOLONE,  
metabolism/ RATS/ RECEPTORS, STEROID, drug  
effects/ TESTIS, metabolism/ TESTOSTERONE,  
blood/ \*TESTOSTERONE, metabolism
3472. **Saez S, Martin PM, Chouvet CD:** Estradiol and progesterone  
receptor levels in human breast adenocarcinoma in relation  
to plasma estrogen and progesterone levels. Cancer Res  
38(10):3468-73, Oct 78  
ADENOCARCINOMA, blood/  
\*ADENOCARCINOMA, metabolism/ BREAST  
NEOPLASMS, blood/ \*BREAST NEOPLASMS,  
metabolism/ ESTRADIOL, blood/ \*ESTROGENS,  
blood/ ESTRONE, blood/ FEMALE/ HUMAN/  
MENOPAUSE/ MENSTRUATION/ NEOPLASMS,  
HORMONE-DEPENDENT, metabolism/  
\*PROGESTERONE, blood/ \*RECEPTORS,  
ESTROGEN/ \*RECEPTORS, PROGESTERONE
3473. **Safai B, Gupta S, Good RA:** Pemphigus vulgaris associated with  
a syndrome of immunodeficiency and thymoma: a case  
report. Clin Exp Dermatol 3(2):129-34, Jun 78  
ADULT/ CASE REPORT/ HUMAN/  
\*IMMUNOLOGIC DEFICIENCY SYNDROMES,  
complications/ MALE/ \*PEMPFIGUS, complications/  
SYNDROME/ \*THYMOMA, complications/  
\*THYMUS NEOPLASMS, complications/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
3474. **Safar ME, Weiss YA, Corvol PL, et al:** Anti-hypertensive  
adrenergic-blocking agents: effects on sodium balance, the  
renin-angiotensin system and haemodynamics.  
Clin Sci Mol Med 48 Suppl 2:93s-95s, Jun 75  
ADULT/ ALDOSTERONE, blood/ \*BLOOD  
PRESSURE, drug effects/ CARDIAC OUTPUT, drug  
effects/ CLINICAL RESEARCH/ \*CLONIDINE,  
pharmacodynamics/ FEMALE/ \*GUANETHIDINE,



# AUTHOR SECTION

- pharmacodynamics/ HUMAN/ HYPERTENSION, blood/ \*HYPERTENSION, physiopathology/ MALE/ \*METHYLDOPA, pharmacodynamics/ MIDDLE AGE/ PLASMA VOLUME, drug effects/ RENIN, blood/ \*RESERPINE, pharmacodynamics
3475. **Safaralieva AR:** Osobennosti gonadotropnoi aktivnosti gipotalamo-gipofizarnoi sistemy u devushek s nekotorymi formami disgenезii gonad. *Akush Ginekol (Mosk)* (8):27-30, Aug 78 (Rus)  
ADOLESCENCE/ ADULT/ ESTRADIOL, blood/ FEMALE/ FSH, blood/ \*GONADOTROPINS, PITUITARY, physiology/ HUMAN/ \*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ LH, blood/ \*TURNER'S SYNDROME, physiopathology
3476. **Safarčík K, Závada M, Müller J:** Jednoduchý způsob měření vazby 125I-T3 na bílkoviny séra při T3—testu in vitro využívajícího iontoměničnou osionu ad. *Vnitř Lek* 24(10):1008-14, Oct 78 (Eng. Abstr.) (Cze)  
\*BLOOD PROTEINS, metabolism/ CZECHOSLOVAKIA/ ENGLISH ABSTRACT/ HUMAN/ ION EXCHANGE/ PROTEIN-BOUND IODINE TEST, instrumentation/ PROTEIN-BOUND IODINE TEST, methods/ \*TRIIODOTHYRONINE, blood
3477. **Safrazbekian RR, Sukasian RS, Arzanunts EM:** Ob aktiviruiushchem deistvii indolilgidrazidov na monoaminoksidazu mozga krys. *Vopr Med Khim* 24(5):640-5, Sep-Oct 78 (Eng. Abstr.) (Rus)  
ANIMAL/ \*BRAIN, enzymology/ BRAIN, ultrastructure/ COMPARATIVE STUDY/ DEAMINATION/ ENGLISH ABSTRACT/ ENZYME ACTIVATION/ \*HYDRAZINES, pharmacodynamics/ IN VITRO/ \*INDOLES, pharmacodynamics/ MALE/ MITOCHONDRIA, enzymology/ MITOCHONDRIA, metabolism/ \*MONOAMINE OXIDASE, metabolism/ NOREPINEPHRINE, metabolism/ RATS/ SEROTONIN, metabolism
3478. **Säfwenberg J, Backman U, Danielson BG, et al:** HLA and kidney stone disease. *Scand J Urol Nephrol* 12(2):151-4, 1978  
ACIDOSIS, RENAL TUBULAR, familial & genetic/ ADULT/ AGED/ CALCIUM, metabolism/ CALCIUM, urine/ FEMALE/ GENE FREQUENCY/ HUMAN/ \*HL-A ANTIGENS/ HL-A ANTIGENS, analysis/ INTESTINAL ABSORPTION/ \*KIDNEY CALCULI, familial & genetic/ MALE/ MIDDLE AGE/ PHENOTYPE/ RECURRENCE/ RISK
3479. **Saggerson ED:** A study of regulation of gluconeogenesis and the supply of cytosolic reducing equivalents for lactate formation in rat kidney-cortical-tubule fragments incubated with pyruvate. *Biochem J* 174(1):131-42, 15 Jul 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ AMINOXYACETIC ACID, pharmacodynamics/ ANIMAL/ BUTANES/ CALCIUM, pharmacodynamics/ \*GLUCONEOGENESIS/ GLUCONEOGENESIS, drug effects/ IN VITRO/ KIDNEY CORTEX, drug effects/ \*KIDNEY CORTEX, metabolism/ KIDNEY TUBULES, drug effects/ \*KIDNEY TUBULES, metabolism/ \*LACTATES, biosynthesis/ MALE/ MALONATES, pharmacodynamics/ PICOLINIC ACIDS, pharmacodynamics/ PYRUVATES, metabolism/ RATS/ SULFHYDRYL COMPOUNDS, pharmacodynamics
3480. **Saglio H:** Mon expérience de l'iode. *Phlebologie* 31(2):63-6, Apr-Jun 78 (Eng. Abstr.) (Fre)  
ENGLISH ABSTRACT/ HUMAN/ \*IODINE, administration & dosage/ IODINE, therapeutic use/ \*SCLEROSING SOLUTIONS/ \*VARICOSE VEINS, drug therapy
3481. **Said SI:** Evidence for secretion of vasoactive intestinal peptide by tumours of pancreas, adrenal medulla, thyroid and lung: support for the unifying APUD concept. *Clin Endocrinol (Oxf)* 5 Suppl:201S-204S, 1976  
ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, pathology/ \*ADRENAL GLAND NEOPLASMS, secretion/ ADRENAL MEDULLA, pathology/ \*ADRENAL MEDULLA, secretion/ \*APUD CELLS/ DIARRHEA, etiology/ \*GASTROINTESTINAL HORMONES, secretion/ HUMAN/ LUNG NEOPLASMS, complications/ LUNG NEOPLASMS, pathology/ \*LUNG NEOPLASMS, secretion/ PANCREATIC NEOPLASMS, complications/ PANCREATIC NEOPLASMS, pathology/ \*PANCREATIC NEOPLASMS, secretion/ RADIOIMMUNOASSAY/ THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, pathology/ \*THYROID NEOPLASMS, secretion/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOACTIVE INTESTINAL PEPTIDE, blood/ \*VASOACTIVE INTESTINAL PEPTIDE, secretion
3482. **Saiduddin S, Zassenhaus HP:** Further consideration of systematic errors present in protein-ligand interactions. *Steroids* 32(1):51-9, Jul-Aug 78  
BINDING SITES/ KINETICS/ LIGANDS/ MODELS, BIOLOGICAL/ \*PROTEIN BINDING/ \*RECEPTORS, STEROID, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3483. **Saini PK, Saini SK:** Origin of serum alkaline phosphatase the dog. *Am J Vet Res* 39(9):1510-3, Sep 78  
\*ALKALINE PHOSPHATASE, blood/ ALKALINE PHOSPHATASE, immunology/ ALKALINE PHOSPHATASE, isolation & purification/ ANIMAL/ ANTIGEN-ANTIBODY COMPLEX/ BONE AND BONES, enzymology/ CHROMATOGRAPHY, DEAE-CELLULOSE/ COMPARATIVE STUDY/ CROSS REACTIONS/ \*DOGS, metabolism/ ELECTROPHORESIS, STARCH GEL/ IMMUNOENZYME TECHNIQS/ LIVER, enzymology/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED
3484. **Saini PK, Peavy GM, Hauser DE, et al:** Diagnostic evaluation of canine serum alkaline phosphatase by immunochromic means and interpretation of results. *Am J Vet Res* 39(9):1514-8, Sep 78  
ALKALINE PHOSPHATASE, antagonists & inhibitors/ \*ALKALINE PHOSPHATASE, blood/ ALKALINE PHOSPHATASE, isolation & purification/ ANIMAL/ BONE AND BONES, enzymology/ COMPARATIVE STUDY/ \*DOG DISEASES, enzymology/ DOGS/ ELECTROPHORESIS, STARCH GEL/ FEMALE/ \*IMMUNOENZYME TECHNIQS/ INTESTINE, SMALL, enzymology/ ISOENZYMES, antagonists/ INHIBITORS/ \*ISOENZYMES, blood/ ISOENZYMES, isolation & purification/ LIVER DISEASES, blood/ LIVER DISEASES, veterinary/ LIVER, enzymology/ MALE/ PHENYLALANINE, pharmacodynamics/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED
3485. **Saito I, Saruta T, Eguchi T, et al:** Role of angiotensin III in the regulation of blood pressure, plasma aldosterone and plasma renin activity in rabbit. *Acta Endocrinol (Copenh)* 89(1):132-41, Sep 78  
\*ALDOSTERONE, blood/ \*ANGIOTENSIN II, analogs & derivatives/ ANGIOTENSIN II, administration & dosage/ ANGIOTENSIN II, pharmacodynamics/ ANGIOTENSIN III, administration & dosage/ \*ANGIOTENSIN III, pharmacodynamics/ ANIMAL/ \*BLOOD PRESSURE/ BLOOD PRESSURE, drug effects/ FEMALE/ RABBITS/ \*RENIN, blood
3486. **Saito T, Wakui A, Yokoyama M, et al:** Combination chemotherapy for solid tumors using 5-fluorouracil, chromomycin-A, and prednisolone. *Gan* 68(4):375-87, Apr 77  
\*ADENOCARCINOMA, drug therapy/ BREAST NEOPLASMS, drug therapy/ CASE REPORT/ \*CHROMOMYCINS, administration & dosage/ COLONIC NEOPLASMS, drug therapy/ DRUG THERAPY, COMBINATION/ EVALUATION STUDIES/ FEMALE/ \*FLUOROURACIL, administration & dosage/ \*GASTROINTESTINAL NEOPLASMS, drug therapy/ HUMAN/ MIDDLE AGE/ PREDNISOLONE, administration & dosage/ STOMACH NEOPLASMS, drug therapy
3487. **Sakakura M, Saito Y, Yoshioka M, et al:** Fluctuated change in the rat hypothalamic content of corticotropin releasing factor around the peak of the circadian rhythm. *Tohoku J Exp Med* 125(3):281-5, Jul 78  
ANIMAL/ \*CIRCADIAN RHYTHM/ CORTICOSTERONE, blood/ \*CORTICOTROPIN RELEASING HORMONE, analysis/ \*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, analysis/ MALE/ \*MEDIAN EMINENCE, analysis/ RATS



# AUTHOR SECTION

3488. Sakamoto N, Terai M, Takenaka T, et al: Inhibition of cyclic AMP phosphodiesterase by 2,6-dimethyl-4-(3-nitrophenyl)-1,4-dihydropyridine-3,5-di acid 3-[2-(N-benzyl-N-methylamino) ethyl ester 5-methyl ester hydrochloride (YC-93), a potent vasodilator. *Biochem Pharmacol* 27(8):1269-74, 1978  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CATTLE/ CORONARY VESSELS, enzymology/ CORONARY VESSELS, metabolism/ DOGS/ IN VITRO/ KINETICS/ MALE/ MYOCARDIUM, enzymology/ NITROBENZENES, pharmacodynamics/ PAPAVERINE, pharmacodynamics/ \*PYRIDINES, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP/ \*VASODILATOR AGENTS, pharmacodynamics/ 1-METHYL-3-ISOBUTYLXANTHINE, pharmacodynamics/ \*3',5'-CYCLIC AMP PHOSPHODIESTERASE, antagonists & inhibitors
3489. Sakamoto O, Sano H, Kimura E: [Fundamental and clinical studies of radioimmunoassay for T4 RIA (PEG) Kit (author's transl)] *Kaku Igaku* 15(4):599-603, Jun 78 (Jpn)  
ADULT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PREGNANCY/ \*RADIOIMMUNOASSAY, instrumentation/ \*REAGENT KITS, DIAGNOSTIC, standards/ \*THYROXINE, blood
3490. Saku A, Kinoshita M, Satoyoshi E: [A case of Bartter's syndrome presenting unusual features (author's transl)] *Nippon Naika Gakkai Zasshi* 67(8):860-7, 10 Aug 78 (Jpn)  
ADULT/ AGED/ BARTTER'S DISEASE, etiology/ \*BARTTER'S DISEASE, physiopathology/ CASE REPORT/ HUMAN/ \*HYPERALDOSTERONISM, physiopathology/ HYPOKALEMIA, complications/ \*HYPOKALEMIA, familial & genetic/ MALE
491. Sakurada O, Sokoloff L, Jacquet YF: Local cerebral glucose utilization following injection of beta-endorphin into periaqueductal gray matter in the rat. *Brain Res* 153(2):403-7, 22 Sep 78  
ANIMAL/ \*BLOOD SUGAR, metabolism/ \*BRAIN, metabolism/ CATATONIA, chemically induced/ CATATONIA, metabolism/ \*CEREBRAL AQUEDUCT, drug effects/ DEOXYGLUCOSE, metabolism/ \*ENDORPHINS, pharmacodynamics/ NEURAL INHIBITION, drug effects/ RATS/ RECEPTORS, NARCOTIC, drug effects
492. Sakurai H, Onodera M, Utsunomiya T, et al: Health effects of acrylonitrile in acrylic fibre factories. *Br J Ind Med* 35(3):219-22, Aug 78  
\*ACRYLONITRILE, adverse effects/ ACRYLONITRILE, urine/ ADULT/ \*CHEMICAL INDUSTRY/ ENVIRONMENTAL EXPOSURE/ HUMAN/ LIVER DISEASES, chemically induced/ MALE/ \*NITRILES, adverse effects/ \*OCCUPATIONAL DISEASES, chemically induced/ THIOCYANATES, urine
493. Salzman M, Ducker TB: The operative microscope in clinical neurosurgery. *Md State Med J* 27(9):55-7, Sep 78  
HUMAN/ MICROSCOPY, instrumentation/ \*MICROSURGERY, instrumentation/ NEOPLASMS, surgery/ \*NEUROSURGERY, instrumentation/ PITUITARY GLAND, surgery/ SPINAL CORD, surgery/ SURGICAL EQUIPMENT/ VASCULAR SURGERY, instrumentation
494. Salky B, Kim US, Aufses AH Jr: Transient diabetes insipidus following penetrating thoracic trauma. *Mt Sinai J Med (NY)* 45(4):545-50, Jul-Aug 78  
ADULT/ CASE REPORT/ \*DIABETES INSIPIDUS, etiology/ HUMAN/ MALE/ \*THORACIC INJURIES, complications/ \*WOUNDS, PENETRATING/ WOUNDS, PENETRATING, complications
495. Saller CF, Stricker EM: Gastrointestinal motility and body weight gain in rats after brain serotonin depletion by 5, 7-dihydroxytryptamine. *Neuropharmacology* 17(7):499-506, Jul 78  
ANIMAL/ BIOGENIC AMINES, metabolism/ \*BODY WEIGHT, drug effects/ BRAIN, drug effects/ \*BRAIN, metabolism/ DESIPRAMINE, pharmacodynamics/ \*DIHYDROXYTRYPTAMINES, pharmacodynamics/ \*GASTROINTESTINAL MOTILITY, drug effects/ MALE/ NEURONS, drug effects/ RATS/ \*SEROTONIN, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./
- \*5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics
3496. Salles KS, Colasanti BK, Craig CR, et al: Involvement of brain cyclic AMP in the acute and chronic effects of morphine in the rat. *Pharmacology* 17(3):128-37, 1978  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ADENOSINE, metabolism/ ANALGESIA/ ANIMAL/ \*BRAIN, metabolism/ CEREBRAL CORTEX, metabolism/ DRUG TOLERANCE/ HYPOTHALAMUS, metabolism/ MALE/ MORPHINE ADDICTION, metabolism/ \*MORPHINE, pharmacodynamics/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3497. Salvetti A, Arzilli F, Sassano P, et al: Postural changes of plasma renin activity after renal transplantation. *Clin Sci Mol Med* 48 Suppl 2:283s-286s, Jun 75  
ADOLESCENCE/ ADULT/ BLOOD PRESSURE, drug effects/ FEMALE/ HUMAN/ \*KIDNEY, transplantation/ MALE/ MIDDLE AGE/ OXPRENOLOL, pharmacodynamics/ \*POSTURE/ \*RENIN, blood/ TIME FACTORS
3498. Salvetti A, Arzilli F, Sassano P, et al: Plasma renin activity in renal veins of renovascular patients. *Contrib Nephrol* 11:150-4, 1978  
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ HYPERTENSION, enzymology/ \*HYPERTENSION, RENAL, enzymology/ \*HYPERTENSION, RENOVASCULAR, enzymology/ HYPERTENSION, RENOVASCULAR, etiology/ MALE/ MIDDLE AGE/ RENAL VEINS/ \*RENIN, blood
3499. Sample WF, Sarti DA: Computed body tomography and gray scale ultrasonography: anatomic correlations and pitfalls in the upper abdomen. *Gastrointest Radiol* 3(3):243-9, 31 Aug 78  
ABDOMEN, anatomy & histology/ \*ABDOMEN, radiography/ ADRENAL GLAND NEOPLASMS, radiography/ ADRENAL GLANDS, radiography/ DIAPHRAGM, radiography/ DUODENUM, radiography/ HUMAN/ LIVER, radiography/ MESENTERY, radiography/ PANCREAS, radiography/ \*TOMOGRAPHY, COMPUTERIZED AXIAL, methods/ \*ULTRASONICS, diagnostic use
3500. Samson WK, Said SI, Graham JW, et al: Vasoactive-intestinal-polypeptide concentrations in median eminence of hypothalamus [letter] *Lancet* 2(8095):901-2, 21 Oct 78  
ADULT/ \*BRAIN CHEMISTRY/ \*GASTROINTESTINAL HORMONES, analysis/ HUMAN/ \*HYPOTHALAMO-HYPOPHYSAL SYSTEM, analysis/ MALE/ \*MEDIAN EMINENCE, analysis/ MIDDLE AGE/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*VASOACTIVE INTESTINAL PEPTIDE, analysis
3501. Samundzhan EM, Gorevaia AN, Kartavova NS, et al: Steroidnyi balans u bol'nykh s giperplaziami molochnoi zhelezy. *Vopr Onkol* 24(8):83-7, 1978 (Eng. Abstr.) (Rus)  
ADENOFIBROMA, pathology/ \*ADENOFIBROMA, urine/ ADULT/ BREAST NEOPLASMS, pathology/ \*BREAST NEOPLASMS, urine/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ ESTROGENS, urine/ FEMALE/ GLUCOCORTICOID, urine/ \*GONADOTROPINS, urine/ HUMAN/ \*HYPERPLASIA/ MIDDLE AGE/ \*STEROIDS, urine
3502. Sanchez-Medina F, Garcia-Ruiz JP, Lupiañez JA, et al: Induction of rat kidney gluconeogenic ability after impairment of liver gluconeogenesis. *Curr Probl Clin Biochem* 8:310-7, 23-26 Oct 77  
ANIMAL/ \*CARBON TETRACHLORIDE POISONING, enzymology/ COMPARATIVE STUDY/ CYCLOHEXIMIDE, pharmacodynamics/ DACTINOMYCIN, pharmacodynamics/ FEMALE/ \*GLUCONEOGENESIS/ GLUCOSEPHOSPHATASE, metabolism/ HEXOSEPHOSPHATASE, metabolism/ KIDNEY, drug effects/ \*KIDNEY, enzymology/ LACTATE DEHYDROGENASE, metabolism/ LIVER, drug effects/ \*LIVER, enzymology/ MALE/ ORGAN



# AUTHOR SECTION

- SPECIFICITY/ PHOSPHOENOLPYRUVATE  
CARBOXYKINASES, metabolism/ RATS/  
TRIAMCINOLONE, pharmacodynamics
3503. Sánchez-Mozo P, Freire M, Vázquez-Pernas R, et al:  
Purificación y propiedades de una  
beta-N-acetilglucosaminidasa aislada de las gónadas del  
Mytilus edulis (mejillón). Rev Esp Fisiol 34(2):123-5, Jun  
78 (Eng. Abstr.) (Spa)  
\*ACETYLGLUCOSAMINIDASE, isolation &  
purification/ ANIMAL/ CHROMATOGRAPHY,  
GEL/ CHROMATOGRAPHY, ION EXCHANGE/  
ELECTROPHORESIS, DISC/ ENGLISH  
ABSTRACT/ \*GLUCOSAMINIDASE, isolation &  
purification/ \*GONADS, enzymology/ MOLECULAR  
WEIGHT/ \*MUSSELS, enzymology
3504. Sánchez Torres G, Posadas C, García Lara L, et al: Efecto  
del bloqueador alfa y beta, labetalol sobre el sistema renina  
angiotensina en la hipertensión arterial.  
Arch Inst Cardiol Mex 48(3):549-61, May-Jun 78 (Eng.  
Abstr.) (Spa)  
\*ANGIOTENSIN II, secretion/ \*BLOOD PRESSURE,  
drug effects/ CLINICAL RESEARCH/  
COMPARATIVE STUDY/ CORONARY DISEASE,  
drug therapy/ DRUG EVALUATION/ ENGLISH  
ABSTRACT/ \*ETHANOLAMINES,  
pharmacodynamics/ FEMALE/ \*HEART RATE, drug  
effects/ HUMAN/ \*HYPERTENSION, drug therapy/  
KIDNEY, physiology/ \*LABETALOL,  
pharmacodynamics/ MALE/ MIDDLE AGE/  
PLACEBOS/ \*RENIN, secretion/ STIMULATION,  
CHEMICAL
3505. Sánchez Torres G, Posadas C, Olvera S, et al: Aldosteronismo  
secundario e hipokalemia en la terapia diurética de la  
hipertensión arterial sistémica. Arch Inst Cardiol Mex  
48(4):853-70, Jul-Aug 78 (Eng. Abstr.) (Spa)  
ADULT/ ALDOSTERONE, analysis/  
ALDOSTERONE, urine/ BLOOD PRESSURE/  
\*CHLORTHALIDONE, adverse effects/  
CHLORTHALIDONE, therapeutic use/ ENGLISH  
ABSTRACT/ FEMALE/ HUMAN/  
\*HYPERALDOSTERONISM, chemically induced/  
HYPERALDOSTERONISM, diagnosis/  
HYPERTENSION, diagnosis/ \*HYPERTENSION,  
drug therapy/ \*HYPOKALEMIA, chemically induced/  
HYPOKALEMIA, diagnosis/ MALE/ MIDDLE  
AGE/ POTASSIUM, analysis/ POTASSIUM, urine
3506. Sancho-Garnier H, Henry-Amar M, Lê M: Rôle des facteurs  
génétiques dans l'étiologie du cancer du sein.  
Bull Cancer (Paris) 65(2):127-30, 1978 (27 ref.) (Eng. Abstr.)  
(Fre)  
ADULT/ ANIMAL/ BLOOD GROUPS/ BREAST  
NEOPLASMS, etiology/ \*BREAST NEOPLASMS,  
familial & genetic/ BREAST NEOPLASMS,  
immunology/ DERMATOGLYPHICS/ DISEASES IN  
TWINS/ ENGLISH ABSTRACT/ ESTROGENS,  
genetics/ ETHNIC GROUPS/ FEMALE/ HUMAN/  
HL-A ANTIGENS, genetics/ JAPAN, ethnology/  
MIDDLE AGE/ ONCOGENIC VIRUSES/  
REVIEW/ UNITED STATES
3507. Sander LD, Enochs MR, Johnson LR: Effects of ACTH and  
the adrenals on serum and antral gastrin levels in the rat.  
Proc Soc Exp Biol Med 158(4):609-13, Sep 78  
\*ADRENAL GLANDS, physiology/  
ADRENALECTOMY/ ANIMAL/  
CORTICOSTERONE, pharmacodynamics/  
\*CORTICOTROPIN, pharmacodynamics/ GASTRIC  
MUCOSA, metabolism/ GASTRINS, blood/  
\*GASTRINS, metabolism/ HYDROCORTISONE,  
pharmacodynamics/ HYPOPHYSECTOMY/ MALE/  
PITUITARY GLAND, physiology/ \*PYLORIC  
ANTRUM, metabolism/ RATS/ TIME FACTORS/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
3508. Sander S, Nissen-Meyer R, Aakvaag A: On gestagen treatment  
of advanced prostatic carcinoma. Scand J Urol Nephrol  
12(2):119-21, 1978  
\*ADENOCARCINOMA, drug therapy/  
ADENOCARCINOMA, therapy/ AGED/  
CASTRATION/ COMPARATIVE STUDY/ DRUG  
EVALUATION/ GESTONORONE CAPROATE,  
administration & dosage/ GESTONORONE  
CAPROATE, adverse effects/ \*GESTONORONE  
CAPROATE, therapeutic use/ HUMAN/ MALE/  
MIDDLE AGE/ \*PROSTATIC NEOPLASMS, drug  
therapy/ PROSTATIC NEOPLASMS, therapy/
- TESTOSTERONE, blood
3509. Sandstead HH: Zinc interference with copper metabolism  
[editorial] JAMA 240(20):2188, 10 Nov 78  
ANIMAL/ COPPER, deficiency/ \*COPPER,  
metabolism/ DWARFISM, drug therapy/ HUMA  
HYPOGONADISM, drug therapy/ ZINC,  
administration & dosage/ \*ZINC, adverse effects/ Z  
deficiency/ ZINC, therapeutic use
3510. Sandu L: A propos de... analgesie par  
neurostimulation-endorphines. Ann Anesthesiol Fr  
19(6):579-80, 1978  
\*ANALGESIA, methods/ ANTIBODIES, analysis/  
\*ENDORPHINS
3511. Saner A, Lorez HP, Kettler R, et al: The cardiovascular ef  
of the antihypertensive drug debrisoquin: A contributi  
the pharmacology of chronic treatment. III. Absence  
adrenergic degeneration after 8-week administration to  
J Pharmacol Exp Ther 206(3):545-54, Sep 78  
ADRENAL GLANDS, drug effects/ \*ADRENER  
FIBERS, drug effects/ ANIMAL/  
\*CARDIOVASCULAR SYSTEM, drug effects/  
\*DEBRISOQUIN, pharmacodynamics/ DOGS/  
DOPAMINE BETA-HYDROXYLASE, metaboli  
GANGLIA, AUTONOMIC, analysis/  
\*ISOQUINOLINES, pharmacodynamics/ MALE/  
MESENTERIC ARTERIES, drug effects/  
MYOCARDIUM, analysis/ NERVE  
DEGENERATION/ NOREPINEPHRINE, analy  
TYROSINE HYDROXYLASE, metabolism/ VA  
DEFERENS, drug effects
3512. Sangdee C, Franz DN: Lithium-induced enhancement of s  
transmission at a central synapse.  
Commun Psychopharmacol 2(3):191-8, 1978  
ANIMAL/ CATS/ DOSE-RESPONSE  
RELATIONSHIP, DRUG/ EVOKED POTENTI  
drug effects/ GANGLIA, AUTONOMIC, drug eff  
GANGLIA, AUTONOMIC, physiology/  
HYDROXYTRYPTOPHAN, pharmacodynamics/  
\*LITHIUM, pharmacodynamics/ \*NEURAL  
TRANSMISSION, drug effects/ PREMEDICATI  
REFLEX, drug effects/ REFLEX, physiology/  
\*SEROTONIN, metabolism/ SPINAL CORD, dr  
effects/ SPINAL CORD, physiology/ SYNAPSE  
drug effects/ \*SYNAPSES, metabolism/  
TRYPTOPHAN, pharmacodynamics
3513. Sanjuan-Laorden C, Chicote-Pérez F, Márquez-Chamorr  
Quiste epidermoide simple de testículo. Actas Urol E  
2(4):187-8, Jul-Aug 78 (Eng. Abstr.)  
ADULT/ CASE REPORT/ \*CYSTS, pathology/  
DIAGNOSIS, DIFFERENTIAL/ ENGLISH  
ABSTRACT/ HUMAN/ MALE/ TERATOID  
TUMOR, diagnosis/ \*TESTICULAR DISEASES  
pathology/ TESTICULAR NEOPLASMS, diagn
3514. Santillana López T, De Andrés De Colsa R, Borrell Andr  
et al: Pseudohermaphroditismo masculino e hipertensión  
arterial: defecto en la 17-alfa hidroxilación. Rev Clin  
149(5):499-505, 15 Jun 78  
ADOLESCENCE/ CASE REPORT/ HUMAN/  
\*HYPERTENSION, urine/ MALE/  
\*PSEUDOHERMAPHRODITISM, urine/  
17-HYDROXYCORTICOSTEROIDS, urine
3515. Santner SJ, Murray FT, Davis B, et al: The integrated  
gonadotrophin test. Ann Intern Med 89(4):512-3, Oct  
\*ENDOCRINE DISEASES, blood/ \*FSH, blood  
HUMAN/ \*LH, blood/ \*PITUITARY FUNCTIO  
TESTS, methods/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
3516. Sar M, Stumpf WE, Miller RJ, et al: Immunohistochem  
localization of enkephalin in rat brain and spinal cord  
J Comp Neurol 182(1):17-37, 1 Nov 78  
ANIMAL/ BRAIN STEM, metabolism/ \*BRAIN  
metabolism/ DIENCEPHALON, metabolism/  
\*ENDORPHINS, metabolism/ \*ENKEPHALINS  
metabolism/ FEMALE/ IMMUNOENZYME  
TECHNICS/ MALE/ MESENCEPHALON,  
metabolism/ RATS/ SPINAL CORD, metabolism  
TELENCEPHALON, metabolism/ THALAMIC  
NUCLEI, metabolism
3517. Sarantakis D, Teichman J, Fenichel R, et al: [des-Ala1,  
Gly2]-His4,5D-Trp8-somatostatin: a glucagon-specific  
long-acting somatostatin analog. FEBS Lett 92(2):153-  
Aug 78



## AUTHOR SECTION

- ANIMAL/ \*GLUCAGON, antagonists & inhibitors/  
GLUCAGON, blood/ \*HORMONES, SYNTHETIC,  
pharmacodynamics/ INSULIN, blood/ METABOLIC  
CLEARANCE RATE/ RATS/ \*SOMATOTROPIN  
RELEASE INHIBITING HORMONE, analogs &  
derivatives/ SOMATOTROPIN, blood/  
STRUCTURE-ACTIVITY RELATIONSHIP
518. Sarantakis D, McKinley WA, Jaunakais I, et al: Structure  
activity studies on somatostatin. Clin Endocrinol (Oxf) 5  
Suppl:275S-278S, 1976  
AMINO ACID SEQUENCE/ ANIMAL/  
GLUCAGON, blood/ INSULIN, blood/ METHODS/  
RATS/ \*SOMATOTROPIN RELEASE INHIBITING  
HORMONE, analogs & derivatives/  
SOMATOTROPIN RELEASE INHIBITING  
HORMONE, chemical synthesis/ SOMATOTROPIN  
RELEASE INHIBITING HORMONE,  
pharmacodynamics/ SOMATOTROPIN, blood/  
STRUCTURE-ACTIVITY RELATIONSHIP
519. Sare Z, Ruvalcaba RH, Kelley VC: Prevalence of thyroid  
disorder in Down syndrome. Clin Genet 14(3):154-8, Sep  
78  
ADOLESCENCE/ ADULT/ AGE FACTORS/  
\*DOWN'S SYNDROME, complications/ FEMALE/  
GOITER, complications/ HUMAN/  
\*HYPERTHYROIDISM, complications/  
HYPERTHYROIDISM, immunology/  
\*HYPOTHYROIDISM, complications/  
HYPOTHYROIDISM, immunology/ MALE/  
THYROID FUNCTION TESTS
520. Sarkar S, Dubey AK, Banerji AP, et al: Patterns of lactate  
dehydrogenase isoenzymes during gonadogenesis in the rat.  
J Reprod Fertil 53(2):285-8, Jul 78  
ANIMAL/ ELECTROPHORESIS,  
POLYACRYLAMIDE GEL/ FEMALE/ \*LACTATE  
DEHYDROGENASE ISOENZYMES, metabolism/  
MALE/ \*OVARY, embryology/ OVARY,  
enzymology/ RATS/ \*TESTIS, embryology/ TESTIS,  
enzymology
521. Al-Sarraj K, White DA, Mayer RJ: Immunochemical  
characterization of casein from rabbit mammary gland.  
Biochem J 173(3):877-83, 1 Sep 78  
ANIMAL/ ANTIBODY SPECIFICITY/ \*CASEIN,  
immunology/ CASEIN, isolation & purification/  
ELECTROPHORESIS, POLYACRYLAMIDE GEL/  
FEMALE/ GEL DIFFUSION TESTS/ IMMUNE  
SERUMS/ IMMUNOELECTROPHORESIS,  
TWO-DIMENSIONAL/ IMMUNOSORBENTS/  
LACTATION/ \*MAMMAE, analysis/  
PREGNANCY/ RABBITS
522. Saruta T, Nakamura R, Saito I, et al: Hypertension induced  
by adrenocortical dysfunction—hypertension in 17  
alpha-hydroxylase deficiency and metopirone-induced  
hypertension. Jpn Circ J 42(5):621-31, May 78  
ADULT/ ANIMAL/ COMPARATIVE STUDY/  
CORTICOTROPIN, blood/ CUSHING'S  
SYNDROME, complications/  
DESOXYCORTICOSTERONE, blood/  
DEXAMETHASONE, pharmacodynamics/  
FEMALE/ HUMAN/ HYPERALDOSTERONISM,  
complications/ \*HYPERTENSION, etiology/ MALE/  
\*METYRAPONE, diagnostic use/ MIDDLE AGE/  
RATS/ RENIN, blood/ \*STEROID  
HYDROXYLASES, deficiency/  
\*STEROID-17-HYDROXYLASE, deficiency
523. Sasa S, Blank CL, Wenke DC, et al: Liquid-chromatographic  
determination of serotonin in serum and plasma.  
Clin Chem 24(9):1509-14, Sep 78  
BIOGENIC AMINES/ CHROMATOGRAPHY,  
HIGH SPEED LIQUID, methods/ HUMAN/  
NORMAL VALUES/ PARKINSON DISEASE,  
blood/ PLASMA, analysis/ \*SEROTONIN, blood/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
524. Sasaki H, Higa K, Asano T, et al: [A case of Bartter's syndrome  
with special reference to the pathogenesis (author's transl)]  
Nippon Naika Gakkai Zasshi 66(2):193-204, 10 Feb 77  
(Jpn)  
ADULT/ ALDOSTERONE, blood/ \*BARTTER'S  
DISEASE, etiology/ BARTTER'S DISEASE,  
pathology/ CASE REPORT/ ELECTROLYTES,  
analysis/ HUMAN/ \*HYPERALDOSTERONISM,  
etiology/ MALE/ RENAL OSTEODYSTROPHY,  
complications/ RENIN, blood
3525. Sasaki K, Matsui I, Takai S: [Klinefelter's syndrome and  
XXXXY syndrome] Nippon Rinsho Suppl:1462-3, May 78  
(Jpn)  
HUMAN/ INFANT/ \*KLINEFELTER'S  
SYNDROME/ MALE/ \*SEX CHROMOSOME  
ABNORMALITIES
3526. Sasaki K, Kitamura S: [Metabolism of vasoactive substances  
relating to pulmonary embolism (author's transl)]  
Nippon Kyobu Shikkan Gakkai Zasshi 16(6):404-9, Jun 78  
(Eng. Abstr.)  
ANIMAL/ DOGS/ ENGLISH ABSTRACT/  
\*HISTAMINE, metabolism/ \*PROSTAGLANDINS,  
metabolism/ \*PULMONARY EMBOLISM,  
metabolism/ \*SEROTONIN, metabolism
3527. Sasaki T: The diagnostic significance of the various radiological  
examinations in adrenal disease.  
Nippon Igaku Hoshasen Gakkai Zasshi 38(5):416-22, 25 May  
78  
\*ADRENAL GLAND NEOPLASMS, radiography/  
ADRENAL GLAND NEOPLASMS, radionuclide  
imaging/ \*ADRENAL GLANDS, radiography/  
ADRENAL GLANDS, radionuclide imaging/  
\*CUSHING'S SYNDROME, radiography/  
CUSHING'S SYNDROME, radionuclide imaging/  
HUMAN/ \*HYPERALDOSTERONISM,  
radiography/ HYPERALDOSTERONISM,  
radionuclide imaging/ \*PHEOCHROMOCYTOMA,  
radiography/ PHEOCHROMOCYTOMA, radionuclide  
imaging
3528. Sastry BR: Morphine and met-enkephalin effects on sural  
Adelta afferent terminal excitability. Eur J Pharmacol  
50(3):269-73, 1 Aug 78  
ANIMAL/ ELECTRIC STIMULATION/  
\*ENDORPHINS, pharmacodynamics/  
\*ENKEPHALINS, pharmacodynamics/ FEMALE/  
MALE/ \*MORPHINE, pharmacodynamics/ \*NERVE  
ENDINGS, drug effects/ NERVE ENDINGS,  
physiology/ NEURONS, AFFERENT, drug effects/  
RATS/ \*SPINAL NERVES, drug effects/ \*SURAL  
NERVE, drug effects/ TIME FACTORS
3529. Sathanandan M, Visvanathan T, Sankaranarayanan K: Primary  
ovarian carcinoma in pregnancy. Ceylon Med J 22(4):178-81,  
Dec 77  
FEMALE/ HUMAN/ \*OVARIAN NEOPLASMS,  
diagnosis/ \*PREGNANCY COMPLICATIONS,  
diagnosis/ PREGNANCY
3530. Sato H, Ashida N, Suhara K, et al: Properties of an adrenal  
cytochrome P-450 (P-45011beta) for the hydroxylations of  
corticosteroids. Arch Biochem Biophys 190(1):307-14, Sep  
78  
\*ADRENAL CORTEX HORMONES/ \*ADRENAL  
CORTEX, enzymology/ ANIMAL/ CATTLE/  
\*CYTOCHROME P-450, metabolism/  
\*HYDROXYLASES, metabolism/  
HYDROXYLATION/ KINETICS/ METYRAPONE,  
pharmacodynamics/ \*MITOCHONDRIA, enzymology/  
SPECTROPHOTOMETRY/ SUBSTRATE  
SPECIFICITY
3531. Sato K: [Hyperprolactinemia and pituitary neoplasms]  
Horumon To Rinsho 26(1):67-71, Jan 78  
(Jpn)  
\*ADENOMA, complications/ ADULT/ FEMALE/  
HUMAN/ \*PITUITARY NEOPLASMS,  
complications/ \*PROLACTIN, blood
3532. Sato M, Nishio J, Yoshida H, et al: Metastatic choriocarcinoma  
involving the gingiva. Int J Oral Surg 7(3):192-6, Jun 78  
ADULT/ CASE REPORT/  
\*CHORIOCARCINOMA/ CHORIOCARCINOMA,  
immunology/ CHORIOCARCINOMA, pathology/  
CHORIOCARCINOMA, radiography/ FEMALE/  
\*GINGIVAL NEOPLASMS/ GINGIVAL  
NEOPLASMS, immunology/ GINGIVAL  
NEOPLASMS, pathology/ GINGIVAL  
NEOPLASMS, radiography/  
HEMAGGLUTINATION TESTS/ HUMAN/ LUNG  
NEOPLASMS, radiography/ LYMPHOCYTE  
TRANSFORMATION/ \*MANDIBULAR  
NEOPLASMS/ MANDIBULAR NEOPLASMS,  
immunology/ MANDIBULAR NEOPLASMS,  
pathology/ MANDIBULAR NEOPLASMS,  
radiography/ NEOPLASM METASTASIS/  
TUBERCULIN TEST
3533. Sato N, Kamada T, Suematsu T, et al: Cadmium toxicity and  
liver mitochondria. II. Protective effect of hepatic soluble

# AUTHOR SECTION

- fraction against cadmium-induced mitochondrial dysfunction. *J Biochem (Tokyo)* 84(1):127-33, Jul 78
- ADENOSINE DIPHOSPHATE, metabolism/  
AGING/ ANIMAL/ \*CADMIUM, toxicity/  
CYTOCHROMES, metabolism/ \*CYTOSOL,  
metabolism/ LIVER, drug effects/ MALE/  
\*MITOCHONDRIA, LIVER, drug effects/ OXYGEN  
CONSUMPTION/ RATS/ ROTENONE,  
pharmacodynamics/ SPIRONOLACTONE,  
pharmacodynamics/ SUCCINATES, metabolism
3534. Sato S: [Application of hormone receptor assay for clinical chemistry (authors's transl)] *Rinsho Byori* 26(6):493-501, Jun 78 (Jpn)  
HUMAN/ \*RADIOLIGAND ASSAY/  
RADIOLIGAND ASSAY, methods/ RECEPTORS,  
HORMONE, physiology
3535. Satoh Y: [Effect of steroids on hormones and renal function in endotoxin shock (author's transl)] *Masui* 27(9):918-28, Sep 78 (Eng. Abstr.) (Jpn)  
ALDOSTERONE, blood/ ANIMAL/  
CORTICOTROPIN, blood/ DOGS/ ENGLISH  
ABSTRACT/ \*KIDNEY, drug effects/ RENIN, blood/  
\*SHOCK, SEPTIC, drug therapy/ \*STEROIDS,  
pharmacodynamics/ VASOPRESSINS, blood
3536. Satyaswaroop PG, Fleming H, Bressler RS, et al: Human endometrial cancer cell cultures for hormonal studies. *Cancer Res* 38(11 Pt 2):4367-75, Nov 78  
\*ADENOCARCINOMA, metabolism/  
ADENOCARCINOMA, pathology/ ANIMAL/ CELL  
LINE/ CELL NUCLEUS, metabolism/ CYTOSOL,  
metabolism/ ESTRADIOL DEHYDROGENASES,  
biosynthesis/ ESTRADIOL, metabolism/ FEMALE/  
HAMSTERS/ HUMAN/  
MEDROXYPROGESTERONE, metabolism/  
NEOPLASM TRANSPLANTATION/  
NEOPLASMS, EXPERIMENTAL, metabolism/  
\*NEOPLASMS, HORMONE-DEPENDENT,  
metabolism/ NEOPLASMS,  
HORMONE-DEPENDENT, pathology/  
PROGESTERONE, metabolism/ RECEPTORS,  
ESTROGEN/ TRANSPLANTATION,  
HETEROLOGOUS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ \*UTERINE NEOPLASMS,  
metabolism/ UTERINE NEOPLASMS, pathology
3537. Sawazaki N, Miyai K: [Determination of T4 with Seralute-T4 RIA kit] *Horumon To Rinsho* 26(1):101-5, Jan 78 (Jpn)  
HUMAN/ \*RADIOIMMUNOASSAY, methods/  
\*REAGENT KITS, DIAGNOSTIC/ THYROID  
DISEASES, blood/ \*THYROXINE, blood
3538. Sawin CT, Hershman JM, Fernandez-Garcia R, et al: A comparison of thyroxine and desiccated thyroid in patients with primary hypothyroidism. *Metabolism* 27(10):1518-25, Oct 78  
COMPARATIVE STUDY/ DOSE-RESPONSE  
RELATIONSHIP, DRUG/ HUMAN/  
\*HYPOTHYROIDISM, drug therapy/ \*THYROID  
GLAND, DESICCATED, therapeutic use/  
\*THYROID HORMONES, therapeutic use/  
\*THYROTROPIN RELEASING HORMONE,  
diagnostic use/ \*THYROTROPIN, blood/  
THYROXINE, blood/ \*THYROXINE, therapeutic use/  
TRIIODOTHYRONINE, blood/ UNITED STATES  
GOV'T SUPPORTED/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
3539. Sawlewicz J, Wisterowicz K, Janowiec M: Synteza pochodnych imidazolinotolu-2 o potencjalnych właściwościach tuberkulostatycznych. II. O reakcji S-podstawionych pochodnych imidazolinotolu-2 z izocyjanianami i izotiocyjanianami. *Acta Pol Pharm* 35(4):413-6, 1978 (Eng. Abstr.) (Pol)  
\*ANTITUBERCULAR AGENTS, chemical synthesis/  
\*CYANATES/ ENGLISH ABSTRACT/  
\*METHIMAZOLE, analogs & derivatives/  
METHIMAZOLE, chemical synthesis/  
\*THIOCYANATES
3540. Sawlewicz J, Wisterowicz K, Janowiec M: Synteza pochodnych imidazolinotolu-2 o potencjalnych właściwościach tuberkulostatycznych. I. O reakcji imidazolinotolu-2 z pewnymi izocyjanianami i izotiocyjanianami. *Acta Pol Pharm* 35(4):403-11, 1978 (Eng. Abstr.) (Pol)  
\*ANTITUBERCULAR AGENTS/ \*CYANATES/  
ENGLISH ABSTRACT/ INDICATORS AND  
REAGENTS/ \*METHIMAZOLE, analogs &  
derivatives/ METHIMAZOLE, chemical synthesis/
- \*THIOCYANATES
3541. Sawyer WH, Pang PK, Galli-Gallardo SM: Environmental osmoregulation among lungfishes and amphibians. *Endocrinology*. Berlin, Springer, 1978. WK 102.3  
\*AMPHIBIA, physiology/ ANIMAL/ BLAD  
physiology/ COMPARATIVE STUDY/  
ENVIRONMENT/ EVOLUTION/ \*FISHES  
physiology/ KIDNEY TUBULES, physiology  
MONOGRAPH/ \*PITUITARY HORMONES  
POSTERIOR, physiology/ SKIN, physiology/  
SPECIES SPECIFICITY/  
\*WATER-ELECTROLYTE BALANCE
3542. Saxena PK, Garg M: Effect of insecticidal pollution on recrudescence in the fresh water teleost Channa (Bl.). *Indian J Exp Biol* 16(6):689-91, Jun 78  
ANIMAL/ FEMALE/ \*FENITROTHION, t  
\*FISHES, physiology/ OOCYTES, drug effect  
\*OVARY, drug effects/ \*SEVIN, toxicity
3543. Sayers G: Bioassay of ACTH using isolated cortex Applications: structure activity relationship for AC analogues, assay of corticotropin-releasing factor, a of plasma ACTH. *Ann NY Acad Sci* 297:220-41, 77  
\*ADRENAL CORTEX, drug effects/ ANIM  
\*BIOLOGICAL ASSAY/ COMPARATIVE S  
CORTICOSTERONE, analysis/ CORTICOT  
RELEASING HORMONE, pharmacodynamic  
\*CORTICOTROPIN, analysis/ CORTICOTR  
blood/ CORTICOTROPIN, pharmacodynamic  
DOSE-RESPONSE RELATIONSHIP, DRUG  
HUMAN/ IN VITRO/ MALE/ METHODS/  
STRUCTURE-ACTIVITY RELATIONSHIP  
UNITED STATES GOV'T SUPPORTED/ U  
STATES GOV'T SUPPORTED, P.H.S.
3544. Scadding SR: Testosterone and Salpha-dihydrotestos inhibit both growth and spermatogenesis in the re testis in partially castrated adult newts, *Notophth vindescens*. *J Exp Zool* 205(3):403-12, Sep 78  
ANIMAL/ \*CASTRATION/ COMPARATIV  
STUDY/ MALE/ NEWTS/ SEASONS/  
\*SPERMATOGENESIS, drug effects/  
\*STANOLONE, pharmacodynamics/ TESTIS  
anatomy & histology/ \*TESTIS, drug effects/  
growth & development/ \*TESTOSTERONE,  
pharmacodynamics
3545. Scanlon JW, Suzuki K, Shea E, et al: Clinical and neurobehavioral effects of repeated intrauterine exp oxytocin: a prospective study. *Am J Obstet Gynec* 132(3):294-6, 1 Oct 78  
ADULT/ CHILD BEHAVIOR, drug effects/  
COMPARATIVE STUDY/ FEMALE/ FET  
MONITORING/ \*FETUS, drug effects/ HU  
INFANT, NEWBORN/ \*OXYTOCIN, adverse  
OXYTOCIN, diagnostic use/ PREGNANCY/  
PROSPECTIVE STUDIES/ RISK
3546. Scapagnini U, Gerendai I, Clementi G, et al: Role of monoamines in the regulation of the circadian vari activity of some neuroendocrine axes. pp. 137-43  
In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3  
P-CHLOROPHENYLALANINE, pharmacody  
ANIMAL/ \*BIOGENIC AMINES, physiolog  
\*BRAIN, physiology/ \*CIRCADIAN RHYTH  
CIRCADIAN RHYTHM, drug effects/  
CORTICOSTERONE, blood/  
HYPOTHALAMO-HYPOPHYSAL SYSTEM  
physiology/ MONOGRAPH/  
PITUITARY-ADRENAL SYSTEM, physiolo  
PROLACTIN, physiology/ THYROID GLAN  
physiology
3547. Scarpa F, Malaponte E: Importanza diagnostica e ter della biopsia ovarica percelioscopica nella sterilità fe *Minerva Ginecol* 30(9):739-48, Sep 78 (Eng. Abstr.)  
ADULT/ BIOPSY/ ENGLISH ABSTRACT/  
FEMALE/ HUMAN/ OVARIAN DISEASES  
complications/ \*OVARIAN DISEASES, diagn  
OVARIAN DISEASES, pathology/ \*OVARY  
pathology/ \*PERITONEOSCOPY/ \*STERIL  
FEMALE, etiology
3548. Schade DS, Eaton RP, Peake GT: The regulation of ketone body concentration by counter-regulatory ho



## AUTHOR SECTION

- in man. II. Effects of growth hormone in diabetic man.  
Diabetes 27(9):916-24, Sep 78  
ADULT/ BLOOD SUGAR, metabolism/ \*DIABETES  
MELLITUS, blood/ FATTY ACIDS,  
NONESTERIFIED, blood/ FEMALE/ GLUCAGON,  
blood/ HUMAN/ HYDROCORTISONE, blood/  
INSULIN, blood/ \*KETONE BODIES, blood/  
KINETICS/ MALE/ MIDDLE AGE/  
SOMATOTROPIN, blood/ \*SOMATOTROPIN,  
diagnostic use/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
49. Schaefer SE, Dickman JJ 2d: Automated laboratory screening.  
An analysis of value in a nursing home population.  
Wis Med J 77(8):S81-2, Aug 78  
AGED/ \*DIAGNOSIS, LABORATORY/ HUMAN/  
HYPOTHYROIDISM, diagnosis/ \*NURSING  
HOMES/ WISCONSIN
50. Schaison G, Durand F, Mowszowicz I: Effect of glucocorticoids  
on plasma testosterone in men. Acta Endocrinol (Copenh)  
89(1):126-31, Sep 78  
ADULT/ ANDROSTENEDIONE, blood/  
\*CORTICOTROPIN, pharmacodynamics/  
DEXAMETHASONE, pharmacodynamics/  
GONADOTROPINS, CHORIONIC, diagnostic use/  
HUMAN/ \*HYDROCORTISONE, blood/ LH, blood/  
MALE/ METYRAPONE, pharmacodynamics/  
MIDDLE AGE/ \*TESTOSTERONE, blood
51. Schaison G: La sécrétion pathologique de prolactine.  
J Gynecol Obstet Biol Reprod (Paris) 7(3 Pt 2):634-9, Apr  
78 (Eng. Abstr.) (Fre)  
ADENOMA, secretion/ AMENORRHEA, etiology/  
CORPUS LUTEUM, metabolism/ ENGLISH  
ABSTRACT/ FEMALE/ GONADOTROPINS,  
CHORIONIC, diagnostic use/ HUMAN/ PITUITARY  
NEOPLASMS, secretion/ PROGESTERONE,  
metabolism/ \*PROLACTIN, blood/  
2-BROMOERGOCRYPTINE, therapeutic use
2. Schalekamp MA: Renovasculaire hypertensie, nog altijd een  
probleem. Ned Tijdschr Geneesk 122(38):1393-6, 23 Sep  
78 (Dut)  
ADULT/ ANIMAL/ CASE REPORT/ HUMAN/  
\*HYPERTENSION, RENAL, etiology/  
HYPERTENSION, RENAL, metabolism/  
HYPERTENSION, RENAL, therapy/ MALE/  
MIDDLE AGE/ NEPHRECTOMY/ \*RENAL  
ARTERY OBSTRUCTION, complications/ \*RENAL  
ARTERY STENOSIS, complications/ RENAL  
ARTERY STENOSIS, surgery/ RENIN, blood
3. Schall RF Jr, Fraser AS, Hansen HW, et al: A sensitive manual  
enzyme immunoassay for thyroxine. Clin Chem  
24(10):1801-4, Oct 78  
COMPARATIVE STUDY/ CROSS REACTIONS/  
HUMAN/ IMMUNOENZYME TECHNIQS/  
PHENYLENEDIAMINES/ \*THYROXINE, blood
4. Schallert T, Whishaw IQ: Two types of aphagia and two types  
of sensorimotor impairment after lateral hypothalamic  
lesions: observations in normal weight, dieted, and fattened  
rats. J Comp Physiol Psychol 92(4):720-41, Aug 78  
ANIMAL/ BODY TEMPERATURE/ BODY  
WEIGHT/ BRAIN MAPPING/ DRINKING  
BEHAVIOR, physiology/ \*FEEDING BEHAVIOR,  
physiology/ \*HYPOTHALAMUS, physiology/  
MALE/ \*MOTOR ACTIVITY, physiology/ NEURAL  
PATHWAYS, physiology/ ORIENTATION,  
physiology/ RATS/ REFLEX, physiology/ \*TOUCH,  
physiology/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
5. Schally AV: Aspects of hypothalamic regulation of the pituitary  
gland. Science 202(4363):18-28, 6 Oct 78 (136 ref.)  
AMINO ACID SEQUENCE/ ANIMAL/ AWARDS  
AND PRIZES/ HORMONES, SYNTHETIC,  
pharmacodynamics/ \*HYPOTHALAMIC  
HORMONES, physiology/ \*HYPOTHALAMUS,  
physiology/ LH-FSH RELEASING HORMONE,  
isolation & purification/ LH-FSH RELEASING  
HORMONE, physiology/ \*PITUITARY GLAND,  
ANTERIOR, physiology/ REVIEW/  
SOMATOTROPIN RELEASE INHIBITING  
HORMONE, isolation & purification/  
SOMATOTROPIN RELEASE INHIBITING  
HORMONE, physiology/ STRUCTURE-ACTIVITY  
RELATIONSHIP/ THYROTROPIN RELEASING  
HORMONE, isolation & purification/ UNITED  
STATES GOV'T SUPPORTED/ UNITED STATES
- GOV'T SUPPORTED, P.H.S.
3556. Schamroth L, Friedberg HD: A case of atrial bigeminy.  
Chest 74(3):296-7, Sep 78  
CASE REPORT/ \*ELECTROCARDIOGRAPHY/  
EXTRASYSTOLE, diagnosis/ EXTRASYSTOLE,  
etiology/ \*EXTRASYSTOLE, physiopathology/  
HUMAN/ HYPERCALCEMIA, complications/ TIME  
FACTORS
3557. Schaposnik F, Salvioli MV, Caputo CH, et al: Alteraciones  
histopatológicas testiculares en el alcoholismo crónico.  
Rev Clin Esp 150(1-2):35-8, Jul 78 (Eng. Abstr.) (Spa)  
ADULT/ AGED/ \*ALCOHOLISM, pathology/  
ENGLISH ABSTRACT/ HUMAN/ LIVER  
CIRRHOSIS, ALCOHOLIC, pathology/ MALE/  
MIDDLE AGE/ TESTICULAR DISEASES,  
pathology/ \*TESTIS, pathology
3558. Schärer K: Growth in children with chronic renal failure.  
Kidney Int [Suppl] (8):S68-71, Jun 78  
ADOLESCENCE/ BODY HEIGHT/ CHILD/  
FEMALE/ GROWTH DISORDERS, etiology/  
\*GROWTH/ HEMODIALYSIS, adverse effects/  
HUMAN/ KIDNEY FAILURE, CHRONIC,  
complications/ \*KIDNEY FAILURE, CHRONIC,  
physiopathology/ KIDNEY, transplantation/ MALE/  
POSTOPERATIVE COMPLICATIONS/ PUBERTY/  
TRANSPLANTATION, HOMOLOGOUS
3559. Scharrer B, Wurzelmann S: Neurosecretion. XVII.  
Experimentally induced release of neurosecretory material  
by exocytosis in the insect Leucophaea maderae.  
Cell Tissue Res 190(1):173-80, 26 Jun 78  
ANIMAL/ AXONS, ultrastructure/ CYTOPLASMIC  
GRANULES, ultrastructure/ \*EXOCYTOSIS/  
FEMALE/ \*INSECTS, physiology/ MALE/  
\*NEUROSECRETION, drug effects/  
\*NEUROSECRETORY SYSTEMS, drug effects/  
NEUROSECRETORY SYSTEMS, physiology/  
NEUROSECRETORY SYSTEMS, ultrastructure/  
\*SEROTONIN, pharmacodynamics
3560. Schatzker J, Ha'eri GB, Chapman M: Methylmethacrylate as  
an adjunct in the internal fixation of intertrochanteric  
fractures of the femur. J Trauma 18(10):732-5, Oct 78  
AGED/ \*BONE CEMENTS, therapeutic use/  
FEMALE/ FEMORAL FRACTURES, complications/  
\*FEMORAL FRACTURES, surgery/ \*FRACTURE  
FIXATION, INTERNAL, methods/ HUMAN/  
MALE/ \*METHYLMETHACRYLATE, therapeutic  
use/ OSTEOPOROSIS, complications/  
POSTOPERATIVE CARE
3561. Schatzmann HJ, Bürgin H: Calcium in human red blood cells.  
Ann NY Acad Sci 307:125-47, 28 Apr 78 (50 ref.)  
ADENOSINE TRIPHOSPHATASE, CALCIUM,  
metabolism/ ADENOSINE TRIPHOSPHATE,  
metabolism/ ADULT/ BIOLOGICAL TRANSPORT,  
ACTIVE/ \*CALCIUM, metabolism/ CALCIUM,  
pharmacodynamics/ CARRIER PROTEINS,  
metabolism/ CELL MEMBRANE PERMEABILITY/  
ERYTHROCYTE MEMBRANE, metabolism/  
\*ERYTHROCYTES, metabolism/ HUMAN/ IN  
VITRO/ ION CHANNELS/ MAGNESIUM,  
metabolism/ MAGNESIUM, pharmacodynamics/  
MEMBRANE PROTEINS, metabolism/  
PHOSPHORYLATION/ REVIEW
3562. Scheele GA, Haymovits A: Calcium-dependent discharge of  
secretory proteins in guinea pig pancreatic lobules.  
Ann NY Acad Sci 307:648-52, 28 Apr 78  
ANIMAL/ CALCIUM, pharmacodynamics/  
\*CALCIUM, physiology/ CARBACHOL,  
pharmacodynamics/ GUANYL CYCLASE,  
physiology/ GUINEA PIGS/ IN VITRO/  
PANCREAS, drug effects/ \*PANCREAS, secretion/  
POTASSIUM CHLORIDE, pharmacodynamics/  
\*PROTEINS, secretion
3563. Scheffelt JM, Martin C, Montell H: Activation de l'adénylate  
cyclase membranaire par les filtrats de culture de certaines  
souches d'Escherichia coli. C R Acad Sci [D] (Paris)  
286(24):1811-2, 19 Jun 78 (Fre)  
\*ADENYL CYCLASE, metabolism/ ANIMAL/  
BACTERIAL PROTEINS, isolation & purification/  
\*BACTERIAL PROTEINS, pharmacodynamics/  
\*CELL MEMBRANE, enzymology/ ENZYME  
ACTIVATION, drug effects/ \*ESCHERICHIA COLI,  
metabolism/ GASTROENTERITIS, microbiology/  
HUMAN/ IN VITRO/ INFANT/ INFANT,



# AUTHOR SECTION

- NEWBORN/ MYOCARDIUM, metabolism/  
MYOCARDIUM, ultrastructure/ RATS
3564. Scheible W, Ellenbogen PH, Leopold GR, et al: Lipomatous tumors of the kidney and adrenal: apparent echographic specificity. *Radiology* 129(1):153-6, Oct 78  
\*ADRENAL GLAND NEOPLASMS, diagnosis/  
ADULT/ AGED/ CASE REPORT/ FEMALE/  
\*HEMANGIOMA, diagnosis/ HUMAN/ \*KIDNEY  
NEOPLASMS, diagnosis/ \*LIPOMA, diagnosis/  
MALE/ \*MYELOID METAPLASIA, diagnosis/  
\*ULTRASONICS, diagnostic use
3565. Schellen TM, Declercq A: Hyperprolaktinämie, männliche Impotenz, Oligospermie und die Behandlung mit Bromocriptin. *Dermatol Monatsschr* 164(8):568-70, Aug 78 (Eng. Abstr.) (Ger)  
ENGLISH ABSTRACT/ HUMAN/ IMPOTENCE, blood/ \*IMPOTENCE, drug therapy/ IMPOTENCE, etiology/ MALE/ MIDDLE AGE/  
\*OLIGOSPERMIA, drug therapy/ OLIGOSPERMIA, etiology/ PITUITARY NEOPLASMS, complications/  
\*PROLACTIN, blood/  
\*2-BROMOERGOCRYPTINE, therapeutic use
3566. Scher W, Tsuei D, Sassa S, et al: Inhibition of dimethyl sulfoxide-stimulated Friend cell erythroid differentiation by hydrocortisone and other steroids. *Proc Natl Acad Sci USA* 75(8):3851-5, Aug 78  
ALDOSTERONE, pharmacodynamics/  
\*ANTI-INFLAMMATORY AGENTS, pharmacodynamics/ \*CELL DIFFERENTIATION, drug effects/ CLONE CELLS/ CORTICOSTERONE, pharmacodynamics/ DESOXYCORTICOSTERONE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ \*DIMETHYL SULFOXIDE, pharmacodynamics/ \*ERYTHROCYTES, cytology/ ERYTHROCYTES, drug effects/  
ERYTHROLEUKEMIA, pathology/ FRIEND VIRUS/ GLOBIN, biosynthesis/ HEME, biosynthesis/ HEMOGLOBINS, biosynthesis/  
\*HYDROCORTISONE, pharmacodynamics/  
LEUKEMIA, EXPERIMENTAL, pathology/ RNA, MESSENGER, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3567. Schiavulli E, Gabriele S: Anemia di Fanconi. Descrizione di due casi clinici. *Minerva Pediatr* 30(15):1251-8, 15 Aug 78 (Eng. Abstr.) (Ita)  
ABNORMALITIES, MULTIPLE/ \*ANEMIA, APLASTIC, familial & genetic/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ CHROMOSOME ABERRATIONS/ DWARFISM, complications/  
ENGLISH ABSTRACT/ FANCONI'S ANEMIA, complications/ \*FANCONI'S ANEMIA, familial & genetic/ FEMALE/ HAND, abnormalities/  
HEMORRHAGE, GASTROINTESTINAL, etiology/  
HUMAN/ MICROCEPHALY, complications
3568. Schiebler TH, Danner KG: The effect of sex hormones on the proximal tubules in the rat kidney. *Cell Tissue Res* 192(3):527-49, 26 Sep 78  
ANIMAL/ CASTRATION/ ENDOPLASMIC RETICULUM, ultrastructure/ \*ESTRADIOL, pharmacodynamics/ FEMALE/ GOLGI APPARATUS, ultrastructure/ KIDNEY TUBULES, PROXIMAL, drug effects/ KIDNEY TUBULES, PROXIMAL, physiology/ \*KIDNEY TUBULES, PROXIMAL, ultrastructure/ LYSOSOMES, ultrastructure/ MALE/ PINOCYTOSIS/ PREGNANCY/ RATS/ RIBOSOMES, ultrastructure/  
\*SEX HORMONES, physiology
3569. Schier O, Marxer A: Fundamental structures in drug research II. *Prog Drug Res* 22:27-91, 1978 (170 ref.)  
ANTHELMINTICS/ ANTI-INFECTION AGENTS/ ANTIBIOTICS/ ANTINEOPLASTIC AGENTS/ ANTIPROTOZOAL AGENTS/ ANTIVIRAL AGENTS/ \*CHEMISTRY, PHARMACEUTICAL/ HORMONES/ PROSTAGLANDINS/ REVIEW/ VITAMINS
3570. Schieren H, Weissmann G, Seligman M, et al: Interactions of immunoglobulins with liposomes: an ESR and diffusion study demonstrating protection by hydrocortisone. *Biochem Biophys Res Commun* 82(4):1160-7, 29 Jun 78  
CHOLESTEROL/ DIFFUSION/ ELECTRON SPIN RESONANCE/ \*HYDROCORTISONE/ \*IGG/ \*LIPOSOMES/ MACROMOLECULAR SYSTEMS/ PHOSPHATIDYLCHOLINES/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T
- SUPPORTED, P.H.S.
3571. Schimassek H, Jeckel D, Forssmann WG, et al: Somatot Antidot gegen Phalloidin. *Cytobiologie* 17(1):84-93, J (Eng. Abstr.)  
ANIMAL/ \*ANTIDOTES/ ANTIDOTES, therapeutic use/ ENGLISH ABSTRACT/ LIVER, drug effects/ LIVER, metabolism/ LIVER, ultrastructure/ \*OLIGOPEPTIDES, poisoning/ PHALLOIDIN, metabolism/ \*PHALLOIDINE, poisoning/ RATS/ \*SOMATOTROPIN, pharmacodynamics/ SOMATOTROPIN, therapeutic use
3572. Schlatterer B: Die Primärwirkung von Hormonen I. Steroidhormone. *DTW* 85(10):394-400, 5 Oct 78 (Eng. Abstr.)  
ANIMAL/ CHEMISTRY/ CHICKENS/ ENGLISH ABSTRACT/ FEMALE/ HORMONES, classification/ KINETICS/ MICE/ RATS/ RECEPTORS, HORMONE, physiology/ RNA, MESSENGER, physiology/ STEROIDS, metabolism/ \*STEROID, physiology
3573. Schleimer R: Regulatory roles of histamine in the immune system. *Proc West Pharmacol Soc* 21:145-50, 1978 (7)  
ADRENAL GLANDS, immunology/  
\*ANAPHYLAXIS, physiopathology/ ANIMAL/ EOSINOPHILS, immunology/ \*HISTAMINE, physiology/ HUMAN/ HYPERSENSITIVITY, physiopathology/ REVIEW
3574. Schlichter DJ, Casnellie JE, Greengard P: An endogenous substrate for cGMP-dependent protein kinase in mammalian cerebellum. *Nature* 273(5657):61-2, 4 May 78  
ANIMAL/ CEREBELLUM, enzymology/  
\*CEREBELLUM, metabolism/ CYTOSOL, enzymology/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ MALE/ MOLECULAR WEIGHT/ PHOSPHORYLATION/ \*PROTEIN KINASE, metabolism/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3575. Schlienger JL, Hasselmann M, Imler M: Possible role of hyperammonaemia and/or of portosystemic shunts in the variability of the TSH response to TRH in cirrhotic patients. *Acta Endocrinol (Copenh)* 89(2):284-95, Oct 78  
ADULT/ AGED/ \*AMMONIA, blood/ FEMALE/ HEPATIC COMA, physiopathology/ HUMAN/ \*LIVER CIRRHOSIS, physiopathology/ LIVER FUNCTION TESTS/ MALE/ MIDDLE AGE/ \*PITUITARY GLAND, ANTERIOR, physiopathology/ PITUITARY GLAND, ANTERIOR, secretion/ \*PORTACAVAL ANASTOMOSIS/ PORTACAVAL ANASTOMOSIS, adverse effects/ \*RENAL VEINS, surgery/ \*SPLENIC VEIN, surgery/ \*THYROTROPIN RELEASING HORMONE, diagnostic use/ THYROTROPIN, blood/ \*THYROTROPIN, secretion/ THYROXINE, blood/ TRIIODOTHYRONINE, blood
3576. Schmidt CG: Angio-immunoblastische Lymphadenopathie. *Dtsch Med Wochenschr* 103(39):1504, 29 Sep 78  
FEMALE/ HUMAN/ \*IMMUNOBLASTIC LYMPHADENOPATHY, drug therapy/ MIDDLE AGE/ PREDNISONE, therapeutic use/ VINCRISTINE, therapeutic use
3577. Schmidt JJ, Najjar VA: Studies of fluoride-preactivated liver adenyl cyclase. *Biochim Biophys Acta* 526(1):11-17, Sep 78  
ADENOSINE TRIPHOSPHATE, metabolism/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ADENYL CYCLASE, antagonists & inhibitors/ \*ADENYL CYCLASE, metabolism/ ADENYL CYCLASE, pharmacodynamics/ ANIMAL/ COMPARATIVE STUDY/ ENZYME ACTIVATION/ \*FLUORIDES, pharmacodynamics/ KINETICS/ \*LIVER, enzymology/ MAGNETIC RESONANCE/ PHOSPHORYLATION/ RABBITS/ STRUCTURE-ACTIVITY RELATIONSHIP/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3578. Schmucki O: Maligne Geschwülste des Hodens. *Ther Umsch* 35(10):849-53, Oct 78 (Eng. Abstr.)  
ADULT/ DYSGERMINOMA, surgery/ ENGLISH ABSTRACT/ HUMAN/ MALE/ PROGNOSIS/ TERATOID TUMOR, surgery/ \*TESTICULAR NEOPLASMS/ TESTICULAR NEOPLASMS



# AUTHOR SECTION

surgery

9. Schneider GB: The role of lymphoid cells in bone resorption: cellular immunological competence in ia rats. *Am J Anat* 153(2):305-19, Oct 78

ANIMAL/ \*BONE RESORPTION/  
HYPERSENSITIVITY, DELAYED/ \*IMMUNITY,  
CELLULAR/ LYMPH NODES, pathology/  
LYMPHOCYTES, immunology/ \*OSTEOPETROSIS,  
immunology/ OSTOEPETROSIS, pathology/  
OXAZOLONE, pharmacodynamics/ RATS/ SKIN  
TESTS/ THYMUS GLAND, pathology/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.

0. Schober F: Darstellung der neurosekretorischen hypothalamo--rhombenzephalen Verbindung bei der Ratte durch retrograden axonalen Transport von Meerrettich-Peroxidase. *Acta Biol Med Ger* 37(1):165-7, 1978 (Eng. Abstr.) (Ger)

ANIMAL/ \*AXONS, metabolism/ \*AXOPLASMIC  
FLOW/ \*BRAIN, metabolism/ ENGLISH  
ABSTRACT/ \*HORSEADISH PEROXIDASE,  
metabolism/ HYPOTHALAMUS, metabolism/  
\*NEUROSECRETION/ \*PEROXIDASES,  
metabolism/ RATS

- Schoenen J, Delwaide PJ: Indications des bêta-bloqueurs en neurologie. *Acta Clin Belg* 33(2):130-40, 1978 (Eng. Abstr.) (Fre)

ALCOHOLISM, drug therapy/ ANTIPARKINSON  
AGENTS, administration & dosage/ ANXIETY, drug  
therapy/ CLINICAL RESEARCH/ COMPARATIVE  
STUDY/ DRUG THERAPY, COMBINATION/  
ENGLISH ABSTRACT/ HUMAN/  
HYPERTHYROIDISM, drug therapy/ MIGRAINE,  
drug therapy/ PARKINSON DISEASE, drug therapy/  
PINDOLOL, therapeutic use/ PRACTOLOL,  
therapeutic use/ PROPRANOLOL, administration &  
dosage/ \*PROPRANOLOL, therapeutic use/  
SCHIZOPHRENIA, drug therapy/ \*TREMOR, drug  
therapy

- Schönfelder M: In-vitro-Untersuchungen als Basis der Krebszusatztherapie. *Zentralbl Chir* 103(15):961-77, 1978 (48 ref.) (Eng. Abstr.) (Ger)

ADULT/ ANTINEOPLASTIC AGENTS, therapeutic  
use/ ENGLISH ABSTRACT/ FEMALE/  
HORMONES, therapeutic use/ HUMAN/  
IMMUNOTHERAPY, IN VITRO/ MALE/  
METHODS/ MIDDLE AGE/ NEOPLASMS, drug  
therapy/ NEOPLASMS, radiotherapy/ NEOPLASMS,  
surgery/ \*NEOPLASMS, therapy/ REVIEW

- Schorderet M, McDermed J: Dopamine-mimetic activity of some aminotetralins, as revealed by the production of cyclic AMP in rabbit retina in vitro.

*Adv Biochem Psychopharmacol* 19:351-5, 1978

\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
biosynthesis/ ANIMAL/ \*DOPAMINE,  
pharmacodynamics/ IN VITRO/ \*NAPHTHALENES,  
pharmacodynamics/ OSMOLAR  
CONCENTRATION/ RABBITS/ RETINA, drug  
effects/ \*RETINA, metabolism/  
STRUCTURE-ACTIVITY RELATIONSHIP/  
\*TETRAHYDRONAPHTHALENES,  
pharmacodynamics

- Schottenfeld D, Gersbman ST: Epidemiology of thyroid cancer--Part II. *Clin Bull* 7(3):98-104, 1977

ADENOCARCINOMA, occurrence/ ADULT/  
ANIMAL/ BREAST NEOPLASMS, complications/  
CARCINOMA, PAPILLARY, occurrence/ CHILD/  
DOGS/ FEMALE/ GOITER, EXOPHTHALMIC,  
complications/ HUMAN/ INFANT/ MALE/  
MIDDLE AGE/ RADIATION INJURIES,  
complications/ RISK/ THYROID GLAND, radiation  
effects/ THYROID NEOPLASMS, congenital/  
THYROID NEOPLASMS, etiology/ \*THYROID  
NEOPLASMS, occurrence/ THYROIDITIS,  
LYMPHOMATOUS, complications

- Schradler WT, O'Malley BW: Structure of chick progesterone receptors. *Cancer Res* 38(11 Pt 2):4199-203, Nov 78

ANIMAL/ ANTIBODIES/ CHICKENS/ FEMALE/  
MOLECULAR WEIGHT/ OVIDUCTS, metabolism/  
PROGESTERONE, metabolism/ PROTEIN  
CONFORMATION/ RECEPTORS,  
PROGESTERONE, immunology/ \*RECEPTORS,  
PROGESTERONE, isolation & purification/  
RECEPTORS, PROGESTERONE, metabolism/  
UNITED STATES GOV'T SUPPORTED, P.H.S.

3586. Schreiber V, Přibyl T, Jahodová J: Dopaminergic control of adenohipophyseal growth after oestrogens: negative results with L-DOPA, RO-4-4602, alpha-methyl-DOPA, apomorphine, haloperidol, pyridoxine and cyproheptadine. *Physiol Bohemoslov* 27(4):308-12, 1978

ANIMAL/ APOMORPHINE, pharmacodynamics/  
BENSERAZIDE, pharmacodynamics/  
CYPROHEPTADINE, pharmacodynamics/  
\*ESTROGENS, administration & dosage/  
HALOPERIDOL, pharmacodynamics/ LEVODOPA,  
pharmacodynamics/ \*PITUITARY GLAND,  
ANTERIOR, drug effects/ PITUITARY GLAND,  
ANTERIOR, growth & development/ PYRIDOXINE,  
pharmacodynamics/ RATS/ THYROXINE BINDING  
PROTEIN

3587. Schreiber V, Přibyl T: The effect of hexose monophosphate shunt inhibitors on adenohipophyseal and ceruloplasmin reactions to oestrogen. *Physiol Bohemoslov* 27(4):301-7, 1978

ANIMAL/ CERULOPLASMIN, analysis/  
\*ESTROGENS, administration & dosage/ FEMALE/  
HEXOSEPHOSPHATES, antagonists & inhibitors/  
MALE/ \*NICOTINAMIDE, analogs & derivatives/  
\*OXYTHIAMINE, pharmacodynamics/ \*PITUITARY  
GLAND, ANTERIOR, drug effects/ RATS/  
\*THIAZOLES, pharmacodynamics/ THYROXINE  
BINDING PROTEIN/ \*6-AMINONICOTINAMIDE,  
pharmacodynamics

3588. Schridde H, Hickl EJ: Vergleichende Untersuchungen über 15(S)-15-Methyl-Prostaglandin F2alpha intramuskulär bei der Beendigung intakter und gestörter Schwangerschaften. *Geburtshilfe Frauenheilkd* 38(10):845-8, Oct 78 (Eng. Abstr.) (Ger)

\*ABORTION, INDUCED/ ABORTION, MISSED,  
therapy/ ADOLESCENCE/ ADULT/ ENGLISH  
ABSTRACT/ FEMALE/ GASTROINTESTINAL  
MOTILITY/ HUMAN/ HYDATIDIFORM MOLE,  
therapy/ PREGNANCY COMPLICATIONS/  
PREGNANCY TRIMESTER, SECOND/  
PREGNANCY/ \*PROSTAGLANDINS F,  
SYNTHETIC/ TIME FACTORS/ UTERINE  
NEOPLASMS, therapy

3589. Schröder F: Zur differentialdiagnostischen Bedeutung neurologischer Syndrome bei malignen Tumoren. *Z Gesamte Inn Med* 33(16):557-60, 15 Aug 78 (Eng. Abstr.) (Ger)

ADULT/ BRAIN NEOPLASMS/ CASE REPORT/  
CEREBRAL CORTEX/ ENGLISH ABSTRACT/  
HUMAN/ MALE/ \*MENINGITIS, diagnosis/  
NEOPLASM METASTASIS/ \*NEUROLOGIC  
MANIFESTATIONS/ PITUITARY GLAND/  
POLYRADICULITIS, etiology/ \*PRECANCEROUS  
CONDITIONS, complications/ \*STOMACH  
NEOPLASMS, complications/ URETERAL  
NEOPLASMS

3590. Schrub JC, Laumonier R, Julien JP, et al: Aspects cliniques et thérapeutiques de 70 cancers thyroïdiens. *Sem Hop Paris* 54(5-8):360-1, Mar 78 (Fre)

AGED/ FEMALE/ GANGLIA, surgery/ HUMAN/  
MALE/ MIDDLE AGE/ NEOPLASM  
METASTASIS/ THYROID GLAND, innervation/  
THYROID NEOPLASMS, mortality/ \*THYROID  
NEOPLASMS, surgery/ THYROIDECTOMY,  
methods

3591. Schubert D: NGF-induced alterations in protein secretion and substrate-attached material of a clonal nerve cell line. *Brain Res* 155(1):196-200, 20 Oct 78

ANIMAL/ \*CELL ADHESION, drug effects/ CLONE  
CELLS/ DIBUTYRYL CYCLIC AMP,  
pharmacodynamics/ \*MEMBRANE PROTEINS,  
secretion/ MITOSIS, drug effects/ MOLECULAR  
WEIGHT/ \*NERVE GROWTH FACTOR,  
pharmacodynamics/ \*NERVE TISSUE PROTEINS,  
secretion/ NEURONS, drug effects/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.

3592. Schudt C, Pette D: Ca2+ -ions as coupling agents in enzymatic differentiation and carbohydrate metabolism of cultured muscle cells. *Adv Enzyme Regul* 16:121-39, 3-4 Oct 77 (87 ref.)

ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE,  
drug effects/ \*CALCIUM, metabolism/  
\*CARBOHYDRATES, metabolism/ CELL  
DIFFERENTIATION/ CELL FUSION/ CELLS,  
CULTURED/ CHICK EMBRYO/ ENZYME  
INDUCTION, drug effects/ GLYCOGEN

# AUTHOR SECTION

- PHOSPHORYLASE, biosynthesis/ GLYCOGEN  
SYNTHETASE, metabolism/ INSULIN, physiology/  
MUSCLES, cytology/ MUSCLES, embryology/  
\*MUSCLES, metabolism/ REVIEW
3593. Schuldiner S, Fishkes H, Kanner BI: Role of a transmembrane pH gradient in epinephrine transport by chromaffin granule membrane vesicles. *Proc Natl Acad Sci USA* 75(8):3713-6, Aug 78  
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/  
CARBONYL CYANIDE  
P-TRIFLUOROMETHOXYPHENYLHYDRAZONE  
pharmacodynamics/ CATTLE/ \*CHROMAFFIN  
GRANULES, metabolism/ \*CHROMAFFIN  
SYSTEM, metabolism/  
DICYCLOHEXYLCARBODIIMIDE,  
pharmacodynamics/ \*EPINEPHRINE, metabolism/  
HYDROGEN-ION CONCENTRATION/ IN  
VITRO/ INTRACELLULAR MEMBRANES,  
metabolism/ IONOPHORES/ NIGERICIN,  
pharmacodynamics/ RESERPINE, pharmacodynamics/  
UNITED STATES GOV'T SUPPORTED/  
VALINOMYCIN, pharmacodynamics
3594. Schuler LA, Flickinger GL, Strauss JF 3d: Effect of luteinizing hormone of the lipid composition of rat ovaries.  
*J Endocrinol* 78(2):233-8, Aug 78  
ANIMAL/ COMPARATIVE STUDY/ FATTY  
ACIDS, analysis/ FEMALE/ \*LIPIDS, metabolism/  
\*LH, pharmacodynamics/ OVARY, drug effects/  
\*OVARY, metabolism/ RATS/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
3595. Schulman CC: Les affections urgentes des organes génitaux masculins. *Brux Med* 58(9):457-8, Sep 78 (Fre)  
\*GENITAL DISEASES, MALE/ HUMAN/ MALE/  
PENILE DISEASES, diagnosis/ PENILE DISEASES,  
etiology/ PENIS, injuries/ RUPTURE/ SCROTUM,  
injuries/ TESTIS, injuries
3596. Schultka R, Blume R: Quantitativ-morphologische Untersuchungen zur Veränderlichkeit der Epithelhöhe der menschlichen Eileiterschleimhaut.  
*Gegenbaurs Morphol Jahrb* 124(3):420-33, 1978 (Eng. Abstr.) (Ger)  
ADULT/ AGE FACTORS/ AGED/ ENGLISH  
ABSTRACT/ \*EPITHELIUM, anatomy & histology/  
\*FALLOPIAN TUBES, anatomy & histology/  
FEMALE/ HUMAN/ MIDDLE AGE/ OVARY,  
physiology
3597. Schultz HP, Arends J, Brincker H, et al: DATECA-projektet. Det danske testiscancerprojekt. *Ugeskr Laeger* 140(42):2563-66, 16 Oct 78 (Eng. Abstr.) (Dan)  
ADOLESCENCE/ ADULT/ ANTIBIOTICS,  
ANTINEOPLASTIC, therapeutic use/ DENMARK/  
\*DYSGERMINOMA, occurrence/  
DYSGERMINOMA, pathology/ DYSGERMINOMA,  
therapy/ ENGLISH ABSTRACT/ FOLLOW-UP  
STUDIES/ HUMAN/ MALE/ MIDDLE AGE/  
REGISTRIES/ \*TESTICULAR NEOPLASMS,  
occurrence/ TESTICULAR NEOPLASMS, pathology/  
TESTICULAR NEOPLASMS, therapy/ TESTIS,  
pathology
3598. Schultz M: Dysplastische Veränderungen an dem Schädel eines präkolumbischen Mimbres-Indianers aus Neu-Mexiko—Ein Beitrag zum Turmschädel-Problem.  
*Z Morphol Anthropol* 69(1):43-56, 1978 (Eng. Abstr.) (Ger)  
ADULT/ BONE AND BONES, anatomy & histology/  
CASE REPORT/ ENGLISH ABSTRACT/  
HISTORICAL ARTICLE/ HISTORY OF  
MEDICINE, ANCIENT/ HUMAN/ \*INDIANS,  
NORTH AMERICAN/ NEW MEXICO/  
\*PALEOPATHOLOGY/ \*SKULL, abnormalities
3599. Schultzberg M, Dreyfus CF, Gershon MD, et al: VIP-, enkephalin-, substance P- and somatostatin-like immunoreactivity in neurons intrinsic to the intestine: immunohistochemical evidence from organotypic tissue cultures. *Brain Res* 155(2):239-48, 27 Oct 78  
ANIMAL/ \*ENDORPHINS, metabolism/  
\*ENKEPHALINS, metabolism/ FLUORESCENT  
ANTIBODY TECHNIC/ \*GASTROINTESTINAL  
HORMONES, metabolism/ INTESTINE, SMALL,  
cytology/ \*INTESTINE, SMALL, innervation/ MICE/  
NERVE FIBERS, metabolism/ NEURONS,  
metabolism/ NEURONS, ultrastructure/ SEROTONIN,  
metabolism/ \*SOMATOTROPIN RELEASE  
INHIBITING HORMONE, metabolism/
- \*SUBSTANCE P, metabolism/ TISSUE CULTURE/  
UNITED STATES GOV'T SUPPORTED/ UNITED  
STATES GOV'T SUPPORTED, P.H.S./  
\*VASOACTIVE INTESTINAL PEPTIDE,  
metabolism
3600. Schulz V, Döhring V, Rath sack P: Thiozyanat-Vergiftung der antihypertensiven Therapie mit Natriumnitroprussid. *Wien Med Wochenschr* 128(14):434-5, 15 Jul 78  
ADULT/ CASE REPORT/ FEMALE/  
\*FERRICYANIDES, adverse effects/ HUMAN/  
\*HYPERTENSION, drug therapy/  
\*NITROPRUSSIDE, adverse effects/  
NITROPRUSSIDE, therapeutic use/  
\*THIOCYANATES, poisoning
3601. Schurman DJ, Trindade C, Hirshman HP, et al: Antibiotic-acrylic bone cement composites. Studies of gentamicin and Palacos. *J Bone Joint Surg [Am]* 60(7):978-84, Oct 78  
ANIMAL/ BIOLOGICAL ASSAY/ \*BONE  
AND JOINTS, surgery/ \*BONE CEMENTS/ DRUG  
EVALUATION/ DRUG IMPLANTS/  
\*ESCHERICHIA COLI INFECTIONS, prevention & control/ \*GENTAMICINS, administration & drug effects/ GENTAMICINS, metabolism/ GENTAMICIN, therapeutic use/ \*METHYLMETHACRYLATE, polymerization/ \*RABBITS/ RADIOIMMUNOASSAY/ SCINTILLATION COUNTING/ \*SURGICAL WOUND INFECTION, prevention & control/ SYNOVIAL FLUID, analysis/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ URINE, analysis
3602. Schwarcz R, Fuxe K, Agnati LF, et al: Effects of bromocriptine on 3H-spiroperidol binding sites in rat striatum. Evidence for actions of dopamine receptors not linked to adenylyl cyclase. *Life Sci* 23(5):465-9, 7 Aug 78  
ADENYLYL CYCLASE, metabolism/ ANIMAL/  
BINDING, COMPETITIVE/ \*BUTYROPHENOL,  
metabolism/ CAUDATE NUCLEUS, drug effects/  
\*CAUDATE NUCLEUS, metabolism/ CEREBELLUM,  
anatomy & histology/ KAINIC ACID,  
pharmacodynamics/ MALE/ PUTAMEN, drug  
effects/ \*PUTAMEN, metabolism/ RATS/ \*RECEPTORS,  
DOPAMINE, drug effects/ RECEPTORS,  
DOPAMINE, metabolism/ RECEPTORS,  
DOPAMINE, physiology/ \*SPIPERONE,  
2-BROMOERGOCRYPTINE, metabolism/  
\*2-BROMOERGOCRYPTINE, pharmacodynamics
3603. Schwartz JC, Costentin J, Martres MP, et al: Modulation of receptor mechanisms in the CNS: hyper- and hyporesponsiveness to catecholamines. *Neuropharmacology* 17(9):665-85, (138 ref.)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
biosynthesis/ ANIMAL/ BEHAVIOR, ANIMAL/  
EFFECTS/ BODY TEMPERATURE, drug effects/  
\*BRAIN, drug effects/ BRAIN, metabolism/  
CATECHOLAMINES, pharmacodynamics/  
\*CATECHOLAMINES, physiology/ CORPUS  
STRIOLE, drug effects/ CORPUS STRIOLE,  
metabolism/ NEURAL TRANSMISSION, drug  
effects/ NOREPINEPHRINE, pharmacodynamics/  
\*RECEPTORS, ADRENERGIC, drug effects/  
REVIEW
3604. Schwarzstein L: Diagnostic and therapeutic use of LH-RH in the infertile man. *Curr Top Mol Endocrinol* 3:73-9, 1978  
CELL COUNT/ DOSE-RESPONSE  
RELATIONSHIP, DRUG/ FSH, blood/ HUMAN/  
LH, blood/ \*LH-FSH RELEASING HORMONE,  
LH-FSH RELEASING HORMONE, analogs & derivatives/  
LH-FSH RELEASING HORMONE, diagnostic use/  
LH-FSH RELEASING HORMONE, therapeutic use/  
MALE/ OLIGOSPERMIA, drug therapy/ SPERMATOGENESIS,  
sterility, MALE, diagnosis/ \*STERILITY,  
MALE, drug therapy/ TESTOSTERONE, blood/ TIME FACTORS
3605. Schweller OG, Paschoal Filho A, Samara AM, et al: Eritematoso sistêmico e pancreatite necrosante. *AMJ* 24(6):205-6, Jun 78 (Eng. Abstr.)  
ACUTE DISEASE/ ADRENAL CORTEX  
HORMONES, adverse effects/ ADRENAL CORTEX  
HORMONES, therapeutic use/ CASE REPORT/  
CHILD/ ENGLISH ABSTRACT/ FEMALE/  
HUMAN/ \*LUPUS ERYTHEMATOSUS,  
SYSTEMIC, complications/ LUPUS



# AUTHOR SECTION

- ERYTHEMATOSUS, systemic, drug therapy/  
NECROSIS/ PANCREAS, pathology/  
\*PANCREATITIS, complications
3606. Schweppe KW, Tenhaeff D, Rache D: Zur Kontrazeption mit dem Intrauterinpressar Progestasert. Fortschr Med 96(33):1685-90, 7 Sep 78 (Eng. Abstr.) (Ger)  
ADOLESCENCE/ ADULT/ \*CONTRACEPTION/  
ENGLISH ABSTRACT/ ETHYLENES/  
EVALUATION STUDIES/ FEMALE/ HUMAN/  
\*INTRAUTERINE DEVICES, standards/  
MENSTRUATION/ PROGESTERONE/ VINYL COMPOUNDS
3607. Schwerdtfeger WK, Bereiter-Hahn J: Transient occurrence of chloride cells in the abdominal epidermis of the guppy, *Poecilia reticulata* Peters, adapted to sea water. Cell Tissue Res 191(3):463-71, 16 Aug 78  
ABDOMEN/ ADAPTATION, PHYSIOLOGICAL/  
ANIMAL/ \*EPIDERMIS, cytology/ EPIDERMIS, physiology/ EPIDERMIS, ultrastructure/ \*FISHES, anatomy & histology/ FISHES, physiology/ MALE/ ORGANOIDS, ultrastructure/ PROLACTIN, pharmacodynamics/ SEAWATER/  
WATER-ELECTROLYTE BALANCE
3608. Schwinger E, Klimmek D, Hansmann M: Sex determination in nuclei of amnion fluid cells. Clin Genet 14(3):169-72, Sep 78  
AMNIOCENTESIS/ \*AMNIOTIC FLUID, cytology/  
\*CELL NUCLEUS, ultrastructure/ FEMALE/  
FLUORESCENCE/ HUMAN/ PREGNANCY/ SEX CHROMATIN, ultrastructure/ \*SEX DETERMINATION/ STAINS AND STAINING
3609. Schwyzer R: ACTH: a short introductory review. Ann NY Acad Sci 297:3-26, 28 Oct 77  
\*CORTICOTROPIN/ CORTICOTROPIN, pharmacodynamics/ MOLECULAR CONFORMATION/ MSH/  
STRUCTURE-ACTIVITY RELATIONSHIP
3610. Schyve PM, Smithline F, Meltzer HY: Neuroleptic-induced prolactin level elevation and breast cancer: an emerging clinical issue. Arch Gen Psychiatry 35(11):1291-1301, Nov 78  
ANIMAL/ BREAST NEOPLASMS, blood/  
\*BREAST NEOPLASMS, chemically induced/  
BREAST NEOPLASMS, mortality/ FEMALE/  
HOSPITALS, PSYCHIATRIC/ HUMAN/ MALE/  
MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ MICE/ \*PROLACTIN, blood/  
RATS/ RAUWOLFIA ALKALOIDS, adverse effects/  
RESERPINE, adverse effects/ RISK/  
SCHIZOPHRENIA, drug therapy/  
SCHIZOPHRENIA, mortality/ \*TRANQUILIZING AGENTS, MAJOR, adverse effects/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3611. Sciarra JJ, Cutie A: Simulated respiratory system for in vitro evaluation of two inhalation delivery systems using selected steroids. J Pharm Sci 67(10):1428-31, Oct 78  
\*AEROSOLS/ BECLOMETHASONE, administration & dosage/ BECLOMETHASONE, metabolism/  
\*DRUG PACKAGING/ GLUCOCORTICOIDS, SYNTHETIC, administration & dosage/  
\*GLUCOCORTICOIDS, SYNTHETIC, metabolism/  
\*RESPIRATORY SYSTEM, metabolism/  
SOLUTIONS/ SUSPENSIONS/ TRIAMCINOLONE ACETONIDE, administration & dosage/  
TRIAMCINOLONE ACETONIDE, metabolism
3612. Scott J, Batt RM, Peters TJ: Glucocorticoids and intestinal cell proliferation [letter] N Engl J Med 299(16):901, 19 Oct 78  
ANIMAL/ \*CELL DIVISION, drug effects/  
\*GLUCOCORTICOIDS, pharmacodynamics/  
INTESTINE, SMALL, cytology/ INTESTINE, SMALL, drug effects/ INTESTINES, cytology/  
\*INTESTINES, drug effects/ RATS
3613. Scriver CR, Reade TM, DeLuca HF, et al: Serum 1,25-dihydroxyvitamin D levels in normal subjects and in patients with hereditary rickets or bone disease. N Engl J Med 299(18):976-9, 2 Nov 78  
ADOLESCENCE/ ADULT/ AGE FACTORS/  
BINDING, COMPETITIVE/ \*BONE DISEASES, blood/ BONE DISEASES, etiology/ BONE DISEASES, familial & genetic/ CHILD/ CHILD, PRESCHOOL/  
\*DIHYDROXYCHOLECALCIFEROLS, blood/  
ERGOCALCIFEROL, therapeutic use/ FEMALE/  
GENES, DOMINANT/ GENES, RECESSIVE/  
HUMAN/ \*HYDROXYCHOLECALCIFEROLS, blood/ \*HYPOPHOSPHATEMIA, FAMILIAL, blood/ HYPOPHOSPHATEMIA, FAMILIAL, complications/ MALE/ PHOSPHATES, therapeutic use/ \*RICKETS, blood/ RICKETS, drug therapy/ RICKETS, familial & genetic/ UNITED STATES GOV'T SUPPORTED, P.H.S./ X CHROMOSOME
3614. Scuderi N, Palomba R, Trignano M: Criteri attuali di trattamento degli angiomi. Chir Ital 30(5):569-74, Oct 78 (Eng. Abstr.) (Ita)  
ADRENAL CORTEX HORMONES, therapeutic use/  
CRYOGENIC SURGERY/  
ELECTROCOAGULATION/ EMBOLIZATION, THERAPEUTIC/ ENGLISH ABSTRACT/  
HEMANGIOMA, radiotherapy/ \*HEMANGIOMA, therapy/ HUMAN/ SCLEROSING SOLUTIONS, therapeutic use
3615. Sealey JE, Atlas SA, Laragh JH, et al: Human urinary kallikrein converts inactive to active renin and is a possible physiological activator of renin. Nature 275(5676):144-5, 14 Sep 78  
ENZYME ACTIVATION/ \*ENZYME PRECURSORS, blood/ HUMAN/ HYPERTENSION, RENOVASCULAR, blood/ HYPERTENSION, RENOVASCULAR, metabolism/ KALLIKREIN, metabolism/ \*KALLIKREIN, urine/ \*RENIN, blood
3616. Seaton B: Patterns of oestrogen and testosterone excretion during pregnancy in a gorilla (*Gorilla gorilla*). J Reprod Fertil 53(2):231-6, Jul 78  
ANIMAL/ CREATININE, urine/ \*ESTROGENS, urine/ FEMALE/ \*GORILLAS, metabolism/  
PREGNANCY/ \*PREGNANCY, ANIMAL/  
\*TESTOSTERONE, urine
3617. Sedvall G, Bjerkenstedt L, Lindström L, et al: Clinical assessment of dopamine receptor blockade. Life Sci 23(5):425-9, 7 Aug 78  
HOMOVANILLIC ACID, cerebrospinal fluid/  
HUMAN/  
METHOXYHYDROXYPHENYLGLYCOL, cerebrospinal fluid/ PROLACTIN, cerebrospinal fluid/  
\*RECEPTORS, DOPAMINE, drug effects/  
SCHIZOPHRENIA, cerebrospinal fluid/  
SCHIZOPHRENIA, drug therapy/  
\*TRANQUILIZING AGENTS, MAJOR, pharmacodynamics/ TRANQUILIZING AGENTS, MAJOR, therapeutic use
3618. Seemanová E, Endler P, Benesová D, et al: Saldinuv--Noonanuv syndrom. Cas Lek Cesk 117(31):967-70, 4 Aug 78 (Eng. Abstr.) (Cze)  
CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/  
FEMALE/ HUMAN/ MALE/ \*NOONAN SYNDROME, diagnosis/ NOONAN SYNDROME, familial & genetic
3619. Segerson EC Jr, Murray FA: Uterine protein secretions in postpartum sows. J Anim Sci 46(6):1730-7, Jun 78  
ANIMAL/ COMPARATIVE STUDY/ CORPUS LUTEUM, anatomy & histology/ ESTRUS/ FEMALE/ \*GLYCOPROTEINS, secretion/ LITTER SIZE/ PROGESTERONE, blood/ \*PUERPERIUM/  
\*SWINE, metabolism/ SWINE, physiology/  
UTEROGLOBIN, isolation & purification/  
\*UTEROGLOBIN, secretion/ \*UTERUS, secretion
3620. Segu L, Calas A: The topographical distribution of serotonergic terminals in the spinal cord of the cat: quantitative radioautographic studies. Brain Res 153(3):449-64, 29 Sep 78  
ANIMAL/ \*AUTORADIOGRAPHY/ CATS/  
CHORDOTOMY/ FEMALE/ FLUOXETIN, pharmacodynamics/ GANGLIA, SPINAL, anatomy & histology/ GANGLIA, SPINAL, metabolism/ MALE/ MOTOR NEURONS, metabolism/ MOTOR NEURONS, ultrastructure/ NERVE FIBERS, metabolism/ NERVE FIBERS, ultrastructure/  
RECEPTORS, SEROTONIN, drug effects/  
SEROTONIN, administration & dosage/  
\*SEROTONIN, metabolism/ \*SPINAL CORD, anatomy & histology/ SPINAL CORD, metabolism/ SYNAPSES, metabolism/ TISSUE CULTURE
3621. Sehr A, Sunová J: Xeroradiografie kosti. Cesk Radiol 32(4):247-51, Jul 78 (Eng. Abstr.) (Cze)



# AUTHOR SECTION

- \*BONE AND BONES, radiography/ ENGLISH ABSTRACT/ FEMORAL FRACTURES, radiography/ HUMAN/ XERORADIOGRAPHY, methods
3622. Seif FJ: Endocrine Syndrome bei Neoplasien. Med Welt 29(42):1653-8, 20 Oct 78 (Ger)  
\*ENDOCRINE DISEASES, etiology/ HUMAN/  
\*NEOPLASMS, complications/ SYNDROME
3623. Seiki K, Imanishi Y, Haruki Y: Accumulation and binding of 3H-estradiol-17beta by lymphoid tissues of castrated mice. Endocrinol Jpn 25(3):289-94, Jun 78  
ADIPOSE TISSUE, metabolism/ ANIMAL/ \*BONE MARROW, metabolism/ \*CASTRATION/ CYTOSOL, metabolism/ \*ESTRADIOL, metabolism/ FEMALE/ \*LYMPH NODES, metabolism/ MALE/ MICE/ MICE, INBRED C57BL/ MUSCLES, metabolism/ RECEPTORS, ESTROGEN, metabolism/ SEX FACTORS/ \*SPLEEN, metabolism/ \*THYMUS GLAND, metabolism
3624. Seino Y, Shimotsuji J, Yabuuchi M: [Familial hypophosphatemic vitamin D resistant rickets] Nippon Rinsho Suppl:1428-9, May 78 (Jpn)  
HUMAN/ \*HYPOPHOSPHATEMIA, FAMILIAL/ INFANT/ \*RICKETS, VITAMIN D RESISTANT
3625. Selby PB, Selby PR: Gamma-ray-induced dominant mutations that cause skeletal abnormalities in mice. II. Description of proved mutations. Mutat Res 51(2):199-236, Aug 78  
ANIMAL/ \*BONE AND BONES, abnormalities/ CROSSES, GENETIC/ GAMMA RAYS/ GENE FREQUENCY/ \*GENES, DOMINANT/ MALE/ MICE/ MICE, INBRED C3H/ MICE, INBRED STRAINS/ \*MUTATION/ PHENOTYPE/ SPERMATOZOA, radiation effects/ UNITED STATES GOV'T SUPPORTED
3626. Selitskaia RP, Solov'eva IP, Zotova LA: Vlianie immunodepressantov na organy immuniteta pri razviti destruktivnogo tuberkuleza legkikh. Probl Tuberk (8):56-63, Aug 78 (Eng. Abstr.) (Rus)  
ANIMAL/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, pharmacodynamics/ ENGLISH ABSTRACT/ HYDROCORTISONE, pharmacodynamics/ LEUKOCYTE COUNT/ \*LYMPHOID TISSUE, pathology/ MERCAPTOPYRINE, pharmacodynamics/ METHOTREXATE, pharmacodynamics/ RABBITS/ \*T-LYMPHOCYTES, drug effects/ T-LYMPHOCYTES, pathology/ \*TUBERCULOSIS, PULMONARY, immunology
3627. Selivanova GV: Dvukhluchevoi skaniruiushchii tsitofotometr. Tsitologiya 20(2):283-42, Feb 78 (Eng. Abstr.) (Rus)  
ANIMAL/ CELL NUCLEUS, metabolism/ COMPARATIVE STUDY/ DNA, metabolism/ ENGLISH ABSTRACT/ FUCHSIN, metabolism/ \*HISTOCYTOCHEMISTRY, instrumentation/ LIVER, metabolism/ MICE/ PARAMECIUM, metabolism/ \*PHOTOMETRY, instrumentation/ RATS/ TESTIS, cytology/ TESTIS, metabolism
3628. Sellers BB Jr, Hall JA, Mendoza SA: The role of cyclic AMP in parathyroid hormone action in the toad bladder. J Membr Biol 41(4):329-35, 18 Jul 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ \*BLADDER, drug effects/ BLADDER, metabolism/ BODY WATER, drug effects/ BUFO MARINUS/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ IN VITRO/ INAPPROPRIATE ADH SYNDROME/ \*PARATHYROID HORMONE, pharmacodynamics/ PHOSPHATES, metabolism/ THEOPHYLLINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3629. Selwyn AP, Fox KM, Welman E, et al: Electrocardiographic precordial mapping in anterior myocardial infarction. The critical period for interventions as exemplified by methylprednisolone. Circulation 58(5):892-7, Nov 78  
ADULT/ AGED/ DRUG EVALUATION/ ELECTROCARDIOGRAPHY/ FEMALE/ \*HEART CONDUCTION SYSTEM, physiopathology/ HUMAN/ MALE/ \*METHYLPREDNISOLONE, therapeutic use/ MIDDLE AGE/ \*MYOCARDIAL INFARCTION, drug therapy/ MYOCARDIAL INFARCTION, physiopathology/ REGRESSION ANALYSIS/ TIME FACTORS
3630. Semenov EV: Vlianie amizila i arekolina na zakhvat 45C nervnymi okonchaniiami golovnogo mozga krys. Biull Eksp Biol Med 86(9):301-4, Sep 78 (Eng. Abstr.)  
ANIMAL/ \*ARECOLINE, pharmacodynamics/ \*BENACTYZINE, pharmacodynamics/ BRAIN, effects/ BRAIN, metabolism/ \*BRAIN, ultrastructure/ \*CALCIUM, metabolism/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ IN VITRO/ ION CHANNELS, drug effects/ RATS/ SYNAPTOSOMES, drug effects/ SYNAPTOSOMES, metabolism
3631. Semoff S, Hadley ME: Localization of ATPase activity to glial-like cells of the pars intermedia. Gen Comp Endocrinol 35(3):329-41, Jul 78  
\*ADENOSINE TRIPHOSPHATASE, analysis/ ANIMAL/ FROGS/ \*NEUROGLIA, enzymology/ NEUROGLIA, ultrastructure/ OUABAIN, pharmacodynamics/ \*PITUITARY GLAND, ANTERIOR, enzymology/ PITUITARY GLAND, ANTERIOR, ultrastructure/ \*RANA, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3632. Sempere A: The annual cycle of plasma testosterone and territorial behavior in the roe deer. pp. 73-4. In: Assenmacher I, Farner DS, ed. Environmental endocrinology. Berlin, Springer, 1978. WK 102.3 E61 I  
ANIMAL/ \*DEER, blood/ MALE/ MONOGRAM/ \*PERIODICITY/ SEASONS/ \*TERRITORIALITY/ \*TESTOSTERONE, blood
3633. Sample PF, Mason PA: Bromocriptine: lack of effect on angiotensin II and aldosterone responses to sodium deprivation. Clin Endocrinol (Oxf) 9(2):155-61, Aug 78  
ADULT/ \*ALDOSTERONE, blood/ \*ANGIOTENSIN II, blood/ DIET, SALT-FREE/ FEMALE/ HUMAN/ MALE/ POTASSIUM, blood/ RENIN, blood/ SODIUM, blood/ \*SODIUM, deficiency/ 18-HYDROXYCORTICOSTERONE, blood/ \*2-BROMOERGOCRYPTINE, pharmacodynamics
3634. Sen I, Baba A, Schulz RA, et al: Mechanism of action of norepinephrine and norepinephrine II-5 on synaptosomes. J Neurochem 31(4):969-76, Oct 78  
ACETYLCHOLINE, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, drug effects/ CALCIUM, metabolism/ CHOLINE, metabolism/ \*ELAPID VENOMS, pharmacodynamics/ LACTATE DEHYDROGENASE, metabolism/ MALE/ MEMBRANE POTENTIALS, drug effects/ \*NEUROTOXINS, pharmacodynamics/ \*PEPTIDES, pharmacodynamics/ RATS/ \*SYNAPTOSOMES, effects/ SYNAPTOSOMES, metabolism/ SYNAPTOSOMES, ultrastructure/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3635. Senda K, Imaeda T, Kato T, et al: [Clinical use of 99mTc-methylene diphosphonate (MDP) as bone imaging agent (author's transl)] Rinsho Hoshasen 23(9):937-42, 78 (Eng. Abstr.)  
ADOLESCENCE/ ADULT/ AGED/ \*BONE AND BONES, radionuclide imaging/ \*BONE NEOPLASMS, radionuclide imaging/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ DIPHOSPHONATES, diagnostic use/ ENGLISH ABSTRACT/ HUMAN/ INFANT/ MIDDLE AGE/ \*TECHNETIUM, diagnostic use
3636. Senekjian HO, Knight TF, Ince A, et al: Effect of ionophore A23187 on the efflux of calcium from the rat nephron. Am J Physiol 235(4):F381-4, Oct 78  
ANIMAL/ CALCIUM, administration & dosage/ \*CALCIUM, metabolism/ GLYCOSURIA/ IONOPHORES, administration & dosage/ \*IONOPHORES, pharmacodynamics/ \*KIDNEY TUBULES, metabolism/ KIDNEY TUBULES, DISTAL/ KIDNEY TUBULES, PROXIMAL/ MALE/ MICROINJECTIONS/ PHOSPHATES, urine/ RATS/ SODIUM, urine/ UNITED STATES GOV'T SUPPORTED
3637. Sener A, Pipeleers DG, Levy J, et al: The stimulus-secretion coupling of glucose-induced insulin release XXVI. Are secretory and fuel functions of glucose dissociable by iodoacetate? Metabolism 27(10):1505-17, Oct 78  
ANIMAL/ BARIUM, pharmacodynamics/ CALCIUM, metabolism/ DOSE-RESPONSE RELATIONSHIP/ DRUG/ FEMALE/ \*GLUCOSE, metabolism/ \*GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE, antagonists & inhibitors/



## AUTHOR SECTION

- \*INSULIN, secretion/ \*IODOACETATES, pharmacodynamics/ ISLANDS OF LANGERHANS, drug effects/ \*ISLANDS OF LANGERHANS, physiology/ LACTATES, metabolism/ OXIDATION-REDUCTION/ PROINSULIN, biosynthesis/ RATS
3638. Senge T, Schenck B, Tunn U, et al: A study of the capacity for regeneration of rat and human Leydig cells. *Urol Res* 6(3):167-71, 1 Sep 78  
ANIMAL/ CADMIUM, administration & dosage/ CASTRATION/ HUMAN/ LEYDIG CELL TUMOR, chemically induced/ LEYDIG CELLS, drug effects/ \*LEYDIG CELLS, physiology/ LEYDIG CELLS, ultrastructure/ LH, blood/ MALE/ RATS/ \*REGENERATION/ TESTICULAR NEOPLASMS, chemically induced/ TESTOSTERONE, blood
3639. Sengupta P, Niyogi SK: Seminoma of undescended testis in a male pseudohermaphrodite. *J Indian Med Assoc* 70(8):184-6, 16 Apr 78  
ADULT/ CASE REPORT/ \*CRYPTORCHISM, complications/ \*DYSGERMINOMA, complications/ HUMAN/ MALE/ \*PSEUDOHERMAPHRODITISM, complications/ \*TESTICULAR NEOPLASMS, complications
3640. Sengupta S, Rous S: Inhibition of the hyperglycemic effect of cAMP by intravenous injection to mice of carbonic anhydrase entrapped in liposomes. *Biochem Biophys Res Commun* 82(3):795-9, 14 Jun 78  
ACETAZOLAMIDE, pharmacodynamics/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, antagonists & inhibitors/ \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ANIMAL/ \*BLOOD SUGAR, metabolism/ \*CARBONIC ANHYDRASE, pharmacodynamics/ COMPARATIVE STUDY/ FEMALE/ INJECTIONS, INTRAVENOUS/ \*LIPOSOMES/ \*LIVER GLYCOGEN, metabolism/ LIVER, metabolism/ MICE
3641. Senior JA, Wolinsky I, Brinkman GL: Diets based on autoclaved skim-milk powder. Effects on smooth-surface dental caries and absorption of calcium in rats. *Caries Res* 12(5):275-83, 1978  
ANIMAL/ BODY WEIGHT/ CALCIUM, blood/ \*CALCIUM, metabolism/ \*DENTAL CARIES, etiology/ \*DIET/ HEAT/ LYSINE, administration & dosage/ LYSINE, analysis/ LYSINE, deficiency/ \*LYSINE, pharmacodynamics/ MALE/ \*MILK/ MILK, analysis/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3642. Senior MB, Frankel FR: Evidence for two kinds of chromatin binding sites for the estradiol-receptor complex. *Cell* 14(4):857-63, Aug 78  
BINDING SITES/ \*CHROMATIN, metabolism/ DEOXYRIBONUCLEASE/ \*ESTRADIOL, metabolism/ RECEPTORS, ESTROGEN, analysis/ \*RECEPTORS, ESTROGEN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, ultrastructure
3643. Sereno Coló JA, Díaz de León JC, Abraham Bermúdez J: Tumores del ovario. Consideraciones clinicopatológicas. *Ginecol Obstet Mex* 43(258):219-26, Apr 78 (Eng. Abstr.) (Spa)  
ADOLESCENCE/ ADULT/ AGED/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ \*OVARIAN NEOPLASMS, pathology
3644. Sergeev PV, Denisov IuP: O 'sisteme uznavaniia' (ili 'sisteme predpochteniiia') dlia kortikosteroidov v plazmaticheskoi membrane gepatositov. *Farmakol Toksikol* 41(5):597-601, Sep-Oct 78 (Eng. Abstr.) (Rus)  
\*ADRENAL CORTEX HORMONES, metabolism/ ANIMAL/ CELL MEMBRANE, metabolism/ CHALCONE, analogs & derivatives/ CHALCONE, metabolism/ CORTISONE, metabolism/ ENGLISH ABSTRACT/ ESTRONE, metabolism/ FLUORESCENCE/ HYDROCORTISONE, metabolism/ \*LIVER, metabolism/ MALE/ MEMBRANE LIPIDS, metabolism/ PROTEIN BINDING, drug effects/ RATS/ \*RECEPTORS, STEROID, metabolism
3645. Serup J: Maternal propylthiouracil to manage fetal hyperthyroidism [letter] *Lancet* 2(8095):896, 21 Oct 78  
CASE REPORT/ FEMALE/ \*FETAL DISEASES, prevention & control/ HUMAN/ HYPERTHYROIDISM, familial & genetic/ \*HYPERTHYROIDISM, prevention & control/ INFANT, NEWBORN/ MALE/ MATERNAL-FETAL EXCHANGE/ PREGNANCY/ \*PROPYLTHIOURACIL, therapeutic use
3646. Serup J: Fetal and neonatal hypothyroidism due to antithyroid-drug therapy [letter] *Lancet* 2(8094):845, 14 Oct 78  
FEMALE/ \*FETAL DISEASES, chemically induced/ HUMAN/ \*HYPOTHYROIDISM, chemically induced/ INFANT, NEWBORN/ \*INFANT, NEWBORN, DISEASES, chemically induced/ \*MATERNAL-FETAL EXCHANGE/ PREGNANCY COMPLICATIONS, drug therapy/ PREGNANCY/ \*THYROID ANTAGONISTS, adverse effects
3647. Serwer GA, Edwards SB, Benson DW Jr, et al: Ventricular tachyarrhythmia due to cardiac sarcoidosis in a child. *Pediatrics* 62(3):322-5, Sep 78  
CASE REPORT/ CHILD/ ELECTROCARDIOGRAPHY/ FEMALE/ FUROSEMIDE, therapeutic use/ \*HEART DISEASES, complications/ HEART DISEASES, drug therapy/ HEART FAILURE, CONGESTIVE, drug therapy/ HEART FAILURE, CONGESTIVE, etiology/ HEART VENTRICLE/ HUMAN/ LIDOCAINE, therapeutic use/ PREDNISONE, adverse effects/ PREDNISONE, therapeutic use/ QUINIDINE, therapeutic use/ \*SARCOIDOSIS, complications/ SARCOIDOSIS, drug therapy/ TACHYCARDIA, drug therapy/ \*TACHYCARDIA, etiology
3648. Setler PE, Sarau HM, Zirkle CL, et al: The central effects of a novel dopamine agonist. *Eur J Pharmacol* 50(4):419-30, 15 Aug 78  
ADENYL CYCLASE, metabolism/ ANIMAL/ \*BENZAZEPINES, pharmacodynamics/ DOGS/ DOPAMINE, metabolism/ \*DOPAMINE, physiology/ FEMALE/ MALE/ PROLACTIN, blood/ RATS/ STEREOTYPED BEHAVIOR, drug effects/ SUBSTANTIA NIGRA, physiology/ VOMITING, chemically induced
3649. Sevel D, Rosales A: Orbital blood cyst. *Br J Ophthalmol* 62(8):571-4, Aug 78  
CASE REPORT/ CHILD, PRESCHOOL/ \*CYSTS, complications/ CYSTS, etiology/ CYSTS, surgery/ \*EXOPHTHALMOS, etiology/ HEMANGIOMA, complications/ HUMAN/ \*ORBIT/ ORBITAL NEOPLASMS, complications
3650. Seymour J: Unfolding troponin-C. *Nature* 275(5677):177-8, 21 Sep 78  
ANIMAL/ BINDING SITES/ \*CALCIUM, metabolism/ MAGNESIUM, metabolism/ MUSCLE CONTRACTION/ \*MUSCLE PROTEINS/ MUSCLE PROTEINS, metabolism/ MUSCLES, metabolism/ PROTEIN CONFORMATION/ \*TROPONIN/ TROPONIN, metabolism
3651. Sha N, Yana J, Kitamura E, et al: [A case of Cushing syndrome with WPW syndrome and anesthetic management (author's transl)] *Masui* 27(7):754-7, Jul 78 (Eng. Abstr.) (Jpn)  
ADULT/ \*ANESTHESIA, methods/ CASE REPORT/ \*CUSHING'S SYNDROME, complications/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*WOLFF-PARKINSON-WHITE SYNDROME, complications
3652. Shahani SK, Bordekar AD, Shah GV, et al: Raising of antisera to protein hormones without using Freund's adjuvant. *J Immunol Methods* 23(1-2):91-7, 1978  
\*ANTIBODY FORMATION/ ANTIGENS, administration & dosage/ GEL DIFFUSION TESTS/ \*GONADOTROPINS, CHORIONIC, immunology/ HEMAGGLUTINATION INHIBITION TESTS/ HEMAGGLUTINATION TESTS/ IMMUNE SERUMS/ METHODS/ PRECIPITIN TESTS/ RADIOIMMUNOASSAY
3653. Shamoo AE, Jeng AY: Possible calcium carrier from the inner membrane of calf heart mitochondria. *Ann NY Acad Sci* 307:235-7, 28 Apr 78  
ANIMAL/ BINDING SITES/ BIOLOGICAL TRANSPORT, ACTIVE/ \*CALCIUM, metabolism/ \*CARRIER PROTEINS, isolation & purification/



## AUTHOR SECTION

- CATTLE/ MANGANESE, metabolism/  
 \*MEMBRANE PROTEINS, isolation & purification/  
 \*MITOCHONDRIA, HEART, metabolism/ UNITED  
 STATES GOV'T SUPPORTED/ UNITED STATES  
 GOV'T SUPPORTED, P.H.S.
3654. Shapiro SR, Bodai BI: Current concepts of the undescended testis. *Surg Gynecol Obstet* 147(4):617-25, Oct 78 (109 ref.)  
 \*CRYPTORCHISM/ CRYPTORCHISM, complications/ CRYPTORCHISM, diagnosis/ CRYPTORCHISM, surgery/ FEMALE/ FERTILITY/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ INFANT, NEWBORN/ MALE/ PREGNANCY/ REVIEW/ SYNDROME/ TESTIS, abnormalities/ TESTIS, embryology/ TESTIS, physiology/ TIME FACTORS
3655. Sharawy M, Penney DP, Dirksen TR, et al: Changes in the adrenal cortex of the rat after chronic administration of the steroidogenic inhibitor U-8113. *Cell Tissue Res* 190(1):123-34, 26 Jun 78  
 \*ADRENAL CORTEX, drug effects/ ADRENAL CORTEX, ultrastructure/ AMPHENONE B, analogs & derivatives/ \*AMPHENONE B, administration & dosage/ ANIMAL/ \*BUTANONES, administration & dosage/ CELLULAR INCLUSIONS, ultrastructure/ CHOLESTEROL ESTERS, analysis/ CHOLESTEROL, analysis/ LIPIDS, analysis/ LYSOSOMES, ultrastructure/ MALE/ MITOCHONDRIA, ultrastructure/ ORGAN WEIGHT, drug effects/ PHOSPHOLIPIDS, analysis/ RATS/ TRIGLYCERIDES, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VACUOLES, ultrastructure
3656. Shareghi GR, Stoner LC: Calcium transport across segments of the rabbit distal nephron in vitro. *Am J Physiol* 235(4):F367-75, Oct 78  
 ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ \*CALCIUM, metabolism/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ IN VITRO/ \*KIDNEY TUBULES, metabolism/ KIDNEY TUBULES, COLLECTING, metabolism/ \*KIDNEY TUBULES, DISTAL, metabolism/ LOOP OF HENLE, metabolism/ METHODS/ PARATHYROID HORMONE, pharmacodynamics/ PERFUSION/ POTASSIUM, metabolism/ RABBITS/ SODIUM, metabolism
3657. Sharma OK: Induction of ovalbumin synthesis in immature chicks by actinomycin D and thioacetamide. *Science* 202(4363):68-9, 6 Oct 78  
 \*ACETAMIDES, pharmacodynamics/ ANIMAL/ \*DACTINOMYCIN, pharmacodynamics/ \*OVALBUMIN, biosynthesis/ \*PROGESTERONE, blood/ \*THIOACETAMIDE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3658. Sharma OK, Kuchino Y, Borek E: Mechanisms of ethionine carcinogenesis. *Adv Enzyme Regul* 16:391-405, 3-4 Oct 77 (76 ref.)  
 ALKYLATION/ ANIMAL/ CHICKENS/ \*ETHIONINE, toxicity/ \*LIVER NEOPLASMS, chemically induced/ MICROSCOPY, ELECTRON/ NEOPLASMS, EXPERIMENTAL, chemically induced/ OVALBUMIN, biosynthesis/ OVIDUCTS, drug effects/ OVIDUCTS, ultrastructure/ PROGESTERONE, blood/ REVIEW/ RNA, TRANSFER/ STIMULATION, CHEMICAL
3659. Sharon P, Januszawicz E: [Malabsorption complication hypoparathyroidism in thalassemia major] *Harefuah* 95(3-4):104-5, Aug 78 (Eng. Abstr.) (Heb)  
 ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYPOCALCEMIA, complications/ \*HYPOPARATHYROIDISM, complications/ \*MALABSORPTION SYNDROMES, etiology/ \*THALASSEMIA, complications
3660. Sharp PJ, Beuving G: The role of corticosterone in the ovulatory cycle of the hen. *J Endocrinol* 78(2):195-200, Aug 78  
 ANIMAL/ \*CHICKENS, physiology/ CORTICOSTERONE, blood/ CORTICOSTERONE, pharmacodynamics/ \*CORTICOSTERONE, physiology/ DIURNAL RHYTHM/ FEMALE/ LH, blood/ \*OVULATION/ OVULATION, drug effects
3661. Shchedrina RN, Sturchak SV: Estradiolretseptornaia sistema gipotalamo-gipofizarnykh struktur. *Probl Endokrinol (Mosk)* 24(5):111-7, Sep-Oct 78 (Rus)
- AGE FACTORS/ ANIMAL/ CARBON RADIOISOTOPES/ CASTRATION/ CHEMIST PHYSICAL/ CIRCADIAN RHYTHM/ CYTOSOL drug effects/ \*ESTRADIOL, pharmacodynamics/ ESTRUS/ FEMALE/ \*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, effects/ IN VITRO/ MALE/ PROTEIN BINDING drug effects/ RATS/ \*RECEPTORS, ESTROGEN drug effects/ SPECIES SPECIFICITY/ TRITIUM
3662. Shearer MR, Thomas FM, Bonig JA: Detection of bovine serum albumin interference in radioimmunoassay systems [letter]. *Clin Chem* 24(10):1857-8, Oct 78  
 DIAGNOSTIC ERRORS/ DIGOXIN, analysis/ FOLIC ACID, analysis/ HYDROCORTISONE, analysis/ INSULIN, analysis/ \*RADIOIMMUNOASSAY, methods/ \*SERUM ALBUMIN, BOVINE/ SOMATOTROPIN, analysis/ THYROTROPIN, analysis/ THYROXINE, analysis/ TRIIODOTHYRONINE, analysis/ VITAMIN B analysis
3663. Shelkunov EL: Vlianie imipraminopodobnykh antidepressantov na vstriakhivaniia golovo i u myshei, vyzyvayemye 5-oksitriptofanom. *Biull Eksp Biol Med* 86(9):304-6, Sep 78 (Eng. Abstr.)  
 ANIMAL/ \*ANTIDEPRESSIVE AGENTS, pharmacodynamics/ ANTIDEPRESSIVE AGENTS, therapeutic use/ \*BRAIN, metabolism/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ IMIPRAMINE, pharmacodynamics/ IMIPRAMINE, therapeutic use/ MICE/ MOVEMENT DISORDERS, chemically induced/ MOVEMENT DISORDERS, therapy/ \*SEROTONIN, metabolism
3664. Shellito J, Khandekar JD, McKeever WP, et al: Invasive thymoma responsive to oral corticosteroids. *Cancer Treat Rep* 62(9):1397-400, Sep 78  
 ADMINISTRATION, ORAL/ CASE REPORT/ HUMAN/ MALE/ MEDIASTINAL NEOPLASMS, drug therapy/ MIDDLE AGE/ NEOPLASM METASTASIS/ \*PLEURAL NEOPLASMS, drug therapy/ PREDNISONE, administration & dosage/ \*PREDNISONE, therapeutic use/ \*THYMOMA, therapy
3665. Shelton M: Reproduction and breeding of goats. *J Dairy Sci* 61(7):994-1010, Jul 78 (106 ref.)  
 ABORTION, VETERINARY, occurrence/ ANIMAL/ \*BREEDING/ CROSSES, GENETIC/ ESTRUS/ SYNCHRONIZATION, drug effects/ ESTRUS/ FEMALE/ GENOTYPE/ GOATS, genetics/ \*GOATS, physiology/ INSEMINATION, ARTIFICIAL, veterinary/ LACTATION/ MALO OVULATION/ PREGNANCY TESTS, veterinary/ PREGNANCY/ PUBERTY/ \*REPRODUCTION REVIEW/ SEASONS/ SELECTION (GENETIC) SEMEN PRESERVATION, veterinary/ VARIATION (GENETICS)
3666. Shenker IR, Nussbaum M, Kaplan E: Delayed puberty and stature in adolescents. *Pediatr Ann* 7(9):605-13, Sep 78  
 ADOLESCENCE/ AMENORRHEA, etiology/ DIETARY CARBOHYDRATES/ FEMALE/ \*GROWTH DISORDERS/ GROWTH DISORDERS, etiology/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MALE/ NEUROLOGIC EXAMINATION/ PHYSICAL EXAMINATION/ \*PUBERTY
3667. Shenkman BZ: Ob inaktivatsii tkaniami zheludochno-kishechnogo trakta i pecheni serotoninov usloviakh dizenterii i intoksikatsii. *Vopr Med Khim* 24(5):617-20, Sep-Oct 78 (Eng. Abstr.)  
 ANIMAL/ DYSENTERY, BACILLARY, drug therapy/ \*DYSENTERY, BACILLARY, metabolism/ ENGLISH ABSTRACT/ \*GASTROINTESTINAL SYSTEM, metabolism/ IPRONIAZID, therapeutic use/ \*LIVER, metabolism/ MALE/ RATS/ \*SEROTONIN, metabolism
3668. Sheppard H, Burghardt CR: Retained inhibition of the beta receptor by propranolol after preincubation and washout. *Res Commun Chem Pathol Pharmacol* 21(2):223-35, Aug 78  
 ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ \*ADRENERGIC BETA RECEPTOR BLOCKADERS/ ANIMAL/ ERYTHROCYTE MEMBRANE, metabolism/ ERYTHROCYTES, effects/ IN VITRO/ ISOPROTERENOL, blood/



## AUTHOR SECTION

- MALE/ MICE/ MICE, INBRED C57BL/  
PROPRANOLOL, blood/ \*PROPRANOLOL,  
pharmacodynamics/ RATS/ TEMPERATURE/  
THYMUS GLAND, metabolism/ TIME FACTORS
3669. Sheppard H, Brughardt CR: The dopamine-sensitive adenylate cyclase of the rat caudate nucleus--3. The effect of aporphines and protoberberines. *Biochem Pharmacol* 27(8):1113-6, 1978  
\*ADENYL CYCLASE, antagonists & inhibitors/  
ANIMAL/ \*APORPHINES, pharmacodynamics/  
BERBERINE, analogs & derivatives/ \*BERBERINE,  
pharmacodynamics/ \*BERBINES, pharmacodynamics/  
\*CAUDATE NUCLEUS, enzymology/ \*DOPAMINE,  
physiology/ IN VITRO/ RATS/ RECEPTORS,  
DOPAMINE, drug effects/ STRUCTURE-ACTIVITY  
RELATIONSHIP
3670. Sheterline P: Localisation of the major high-molecular-weight protein on microtubules in vitro and in cultured cells. *Exp Cell Res* 115(2):460-4, Sep 78  
BRAIN/ COLCHICINE, pharmacodynamics/ COLD/  
FLUORESCENT ANTIBODY TECHNIQUE/  
GRANULOSA CELLS, ultrastructure/  
IMMUNOENZYME TECHNIQS/  
\*MICROTUBULES, analysis/ MOLECULAR  
WEIGHT/ \*PROTEINS, analysis
3671. Shevde N, Sussman II, Rosner F, et al: Oral contraceptives and platelet aggregation. *Am J Obstet Gynecol* 132(3):303-6, 1 Oct 78  
ADENOSINE DIPHOSPHATE, pharmacodynamics/  
ADOLESCENCE/ ADULT/ BLOOD  
COAGULATION FACTORS/ COLLAGEN,  
pharmacodynamics/ \*CONTRACEPTIVES, ORAL,  
pharmacodynamics/ \*CONTRACEPTIVES, ORAL,  
SYNTHETIC, pharmacodynamics/ EPINEPHRINE,  
pharmacodynamics/ FEMALE/ HUMAN/  
\*PLATELET AGGREGATION, drug effects/  
PREGNANCY
3672. Shiau SY, Chen KJ, Yang MS, et al: Effect of beta-bungarotoxin on ATPase activity,  $45\text{Ca}^{++}$  uptake and conformation of biological membranes. *Toxicon Suppl* (1):183-95, 1978  
\*ADENOSINE TRIPHOSPHATASE, metabolism/  
ANILINO NAPHTHALENESULFONATES,  
diagnostic use/ ANIMAL/ BRAIN, drug effects/  
\*BUNGAROTOXINS, pharmacodynamics/  
\*CALCIUM, metabolism/ GUINEA PIGS/ IN  
VITRO/ MEMBRANES, drug effects/ MEMBRANES,  
metabolism/ MICROSOMES, drug effects/  
MITOCHONDRIA, MUSCLE, drug effects/  
MUSCLES, drug effects/ PHOSPHOLIPASE,  
metabolism/ RABBITS/ SARCOPLASMIC  
RETICULUM, drug effects/ SPECTROMETRY,  
FLUORESCENCE/ SYNAPTOSOMES, drug effects
3673. Shiau SY, Yang MS, Chen KJ, et al: Effect of cobra cardiotoxin on ATPase activity,  $45\text{Ca}^{++}$  uptake and conformation of biological membranes. *Toxicon Suppl* (1):197-210, 1978  
\*ADENOSINE TRIPHOSPHATASE, metabolism/  
ANIMAL/ BRAIN, drug effects/ \*CALCIUM,  
metabolism/ \*COBRA VENOMS, pharmacodynamics/  
\*DIRECT LYTIC FACTORS, pharmacodynamics/  
GUINEA PIGS/ IN VITRO/ MEMBRANES, drug  
effects/ MEMBRANES, metabolism/ MICROSOMES,  
drug effects/ MITOCHONDRIA, MUSCLE, drug  
effects/ MUSCLES, drug effects/ RABBITS/  
SARCOPLASMIC RETICULUM, drug effects/  
SYNAPTOSOMES, drug effects
3674. Shields R: Ectopic hormone production by tumours [news] *Nature* 272(5653):494, 6 Apr 78  
ALPHA FETOPROTEINS, biosynthesis/ CELL  
DIFFERENTIATION/ CELL DIVISION/  
HEPATOMA, metabolism/ \*HORMONES, ECTOPIC,  
biosynthesis/ \*NEOPLASMS, metabolism
3675. Shiino M, Ishikawa H, Rennels EG: Specific subclones derived from a multipotential clone of rat anterior pituitary cells. *Am J Anat* 153(1):81-95, Sep 78  
ANIMAL/ CELL DIFFERENTIATION/ CLONE  
CELLS/ CORTICOTROPIN, secretion/  
KARYOTYPING/ MEDIAN EMINENCE/  
\*PITUITARY GLAND, ANTERIOR, cytology/  
PROLACTIN, secretion/ RATS/ SOMATOTROPIN,  
secretion/ TISSUE EXTRACTS, pharmacodynamics/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
3676. Shikama H, Ui M: Glucose load diverts hepatic gluconeogenic product from glucose to glycogen in vivo. *Am J Physiol* 235(4):E354-60, Oct 78  
ADMINISTRATION, ORAL/  
ADRENALECTOMY/ ANIMAL/ BLOOD SUGAR,  
analysis/ EPINEPHRINE, pharmacodynamics/  
\*GLUCONEOGENESIS/ GLUCOSE TOLERANCE  
TEST/ GLUCOSE, administration & dosage/  
\*GLUCOSE, pharmacodynamics/ GLYCOGEN  
PHOSPHORYLASE, metabolism/ GLYCOGEN  
SYNTHETASE, metabolism/ INFUSIONS,  
PARENTERAL/ \*LIVER GLYCOGEN, biosynthesis/  
LIVER, enzymology/ \*LIVER, metabolism/ MALE/  
RATS
3677. Shimamura S, Okamoto K, Nakamura M, et al: Synthesis of the nonatriacontapeptide corresponding to the entire amino acid sequence of dogfish adrenocorticotropin. *Int J Pept Protein Res* 12(3):170-2, Sep 78  
AMINO ACID SEQUENCE/ ANIMAL/  
\*CORTICOTROPIN, chemical synthesis/ DOGFISH
3678. Shimao S, Aso M: [Systemic effects of externally applied steroid preparations] *Nippon Rinsho Suppl*:2398-9, May 78 (Jpn)  
\*ADRENAL CORTEX, drug effects/  
BETAMETHASONE 17-VALERATE, administration  
& dosage/ \*BETAMETHASONE 17-VALERATE,  
adverse effects/ \*BETAMETHASONE, analogs &  
derivatives/ HUMAN/ OINTMENTS, adverse effects/  
SKIN ABSORPTION
3679. Shimazaki M, Mitsuhashi T, Morii H: Studies on the cytotoxic factor in chronic thyroiditis as tested by a newly developed micromethod. *Osaka City Med J* 23(2):167-76, 1977  
\*CYTOTOXICITY TESTS, IMMUNOLOGIC,  
methods/ FEMALE/ HUMAN/  
MICROCHEMISTRY/ MIDDLE AGE/ THYROID  
GLAND, immunology/ \*THYROIDITIS,  
LYMPHOMATOUS, immunology
3680. Shimizu N: [Treatment of Cushing's disease] *Nippon Rinsho Suppl*:1538-9, May 78 (Jpn)  
\*CUSHING'S SYNDROME, therapy/ HUMAN/  
HYPOPHYSECTOMY
3681. Shimoda S, Takemura Y, Ieiri T, et al: [Changes in serum enzymes in primary hypothyroidism—clinical studies] *Horumon To Rinsho* 26(1):11-6, Jan 78 (Jpn)  
ADULT/ AGED/ \*ALANINE  
AMINOTRANSFERASE, blood/ \*ASPARTATE  
AMINOTRANSFERASE, blood/ \*CREATINE  
KINASE, blood/ FEMALE/ HUMAN/  
\*HYPOTHYROIDISM, enzymology/ \*LACTATE  
DEHYDROGENASE, blood/ MALE/ MIDDLE  
AGE
3682. Shimosato Y: [Accuracy and limitation of morphology in cancer diagnosis and biology (author's transl)] *Tanpakushitsu Kakusan Koso* 23(6):480-9, May 78 (40 ref.) (Jpn)  
ANIMAL/ BRONCHI, pathology/ CARCINOMA,  
pathology/ CARCINOMA, secretion/ HORMONES,  
ECTOPIC, secretion/ HUMAN/ HYPERPLASIA,  
pathology/ LUNG NEOPLASMS, pathology/ MICE/  
\*NEOPLASMS, pathology/ NEOPLASMS,  
ultrastructure/ NOMENCLATURE/ REVIEW/  
THYROID NEOPLASMS, secretion
3683. Shin MS: Roentgenogram of the month. Multiple bilateral rib fractures with extrapleural masses. *Chest* 74(4):449-50, Oct 78  
ADULT/ CASE REPORT/ DIAGNOSIS,  
DIFFERENTIAL/ FEMALE/ HUMAN/ \*RENAL  
OSTEODYSTROPHY, complications/ RENAL  
OSTEODYSTROPHY, radiography/ RIB  
FRACTURES, etiology/ \*RIB FRACTURES,  
radiography
3684. Shin TS, Chung IH, Kim SS: Prednisolone and glucose-6-phosphatase activity in liver cells. *Yonsei Med J* 18(1):9-18, 1977  
ANIMAL/ \*GLUCOSEPHOSPHATASE, analysis/  
LIVER, drug effects/ \*LIVER, enzymology/ MALE/  
\*PREDNISOLONE, pharmacodynamics/ RATS
3685. Shinkareva LF, Sabsai MI, Nagovitsina AI, et al: Vnutrennii endometrioz matki. *Akush Ginekol (Mosk)* (8):50-5, Aug 78 (Eng. Abstr.) (Rus)  
ADULT/ ANDROGENS, therapeutic use/ CLINICAL  
RESEARCH/ DRUG EVALUATION/  
\*ENDOMETRIOSIS, diagnosis/ ENDOMETRIOSIS,  
drug therapy/ ENDOMETRIOSIS, physiopathology/

# AUTHOR SECTION

- ENGLISH ABSTRACT/ FEMALE/ HUMAN/  
PROGESTATIONAL HORMONES, SYNTHETIC,  
therapeutic use/ \*UTERINE NEOPLASMS, diagnosis/  
UTERINE NEOPLASMS, drug therapy/ UTERINE  
NEOPLASMS, physiopathology
3686. Shinoda M, Shimizu M, Sato K, et al: [Separation, isolation and some properties of leukocytosis promoting factor from the serum of parotin treated rabbits (author's transl)] Yakugaku Zasshi 98(6):764-73, Jun 78 (Eng. Abstr.) (Jpn)  
ANIMAL/ ENGLISH ABSTRACT/ \*HORMONES, pharmacodynamics/ \*LEUKOCYTES, drug effects/ MALE/ \*PAROTIN, pharmacodynamics/ RABBITS
3687. Shiomi H, Takagi H: [Peptides which control pain (author's transl)] Tanpakushitsu Kakusan Koso 23(8):856-64, Jul 78 (99 ref.) (Jpn)  
ANALGESIA/ ANIMAL/ BRAIN CHEMISTRY/ \*ENDORPHINS, isolation & purification/ \*ENDORPHINS, metabolism/ ENKEPHALINS, isolation & purification/ ENKEPHALINS, metabolism/ HYPOTHALAMUS, analysis/ NOCICEPTORS, analysis/ PITUITARY GLAND, analysis/ RATS/ REVIEW
3688. Shirabe J, Takagi M, Hadama T, et al: [A method of myocardial protection (author's transl)] Kyobu Geka 31(7):468-93, 1978 (Eng. Abstr.) (Jpn)  
ADOLESCENCE/ ADULT/ AGED/ BETAMETHASONE, administration & dosage/ CHILD/ CHILD, PRESCHOOL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ \*HEART SURGERY/ \*HEART, physiology/ HUMAN/ \*HYPOTHERMIA, INDUCED, methods/ MIDDLE AGE
3689. Shirakura T, Yoshimatsu H: [Clinical and hematologic studies on aplastic anemia showing a good response to androgen therapy (author's transl)] Rinsho Ketsueki 19(7):987-94, Jul 78 (Eng. Abstr.) (Jpn)  
ADOLESCENCE/ ADULT/ AGED/ ANDROGENS, administration & dosage/ ANDROGENS, therapeutic use/ \*ANEMIA, APLASTIC, drug therapy/ CASE REPORT/ CHILD/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE
3690. Shizume K: [Pituitary dwarfism--its treatment] Nippon Rinsho Suppl:1534-5, May 78 (Jpn)  
ADOLESCENCE/ CHILD/ \*DWARFISM, PITUITARY, drug therapy/ HUMAN/ \*SOMATOTROPIN, administration & dosage
3691. Shkhvatsabaia LV, Sokolova IN: Perikardity pri zlokachestvennykh obrazovaniyakh. Ter Arkh 50(8):33-8, 1978 (Eng. Abstr.) (Rus)  
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ \*HEART NEOPLASMS, complications/ HUMAN/ \*LUNG NEOPLASMS, complications/ MALE/ MIDDLE AGE/ \*OVARIAN NEOPLASMS, complications/ PERICARDITIS, diagnosis/ \*PERICARDITIS, etiology/ \*PERICARDIUM
3692. Shlatz LJ, Kimberg DV, Cattieu KA: Cyclic nucleotide-dependent phosphorylation of rat intestinal microvillus and basal-lateral membrane proteins by an endogenous protein kinase. Gastroenterology 75(5):838-46, Nov 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, administration & dosage/ \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATASE, analysis/ ADENOSINE TRIPHOSPHATASE, metabolism/ ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, analysis/ ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ ADENYL CYCLASE, analysis/ ADENYL CYCLASE, metabolism/ ANIMAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, administration & dosage/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ GUANYL CYCLASE, analysis/ GUANYL CYCLASE, metabolism/ INTESTINAL MUCOSA, enzymology/ \*INTESTINAL MUCOSA, metabolism/ INTESTINE, SMALL, enzymology/ \*INTESTINE, SMALL, metabolism/ MALE/ \*MEMBRANE PROTEINS, metabolism/ PHOSPHOPROTEIN PHOSPHATASES, metabolism/
- PHOSPHORUS RADIOISOTOPES/  
PHOSPHORYLATION/ PROTEIN KINASE, analysis/ \*PROTEIN KINASE, physiology/ RA TIME FACTORS/ UNITED STATES GOVT SUPPORTED, P.H.S.
3693. Shlimovich PB, Miroshnichenko AG: Gormon rosta i v krovi bol'nykh rakom podzheludochnoi zhelezy vo vproby na tolerantnost' k gliukoze. Vopr Onkol 24(9):1978  
ADULT/ AGED/ ANTIGENS, analysis/ BLOOD SUGAR, analysis/ FEMALE/ GLUCOSE TOLERANCE TEST/ HUMAN/ \*INSULIN, b MALE/ MIDDLE AGE/ \*PANCREATIC NEOPLASMS, blood/ \*SOMATOTROPIN, blood
3694. Shraer TI, Rozina NS: Torakofrenotomiia kak dostup k adrenalektomii. Klin Med (Mosk) 56(8):70-3, Aug 78 (Abstr.)  
ADOLESCENCE/ \*ADRENALECTOMY, methods/ ADULT/ AGED/ CASE REPORT/ DIAPHRAGM/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ THORAX
3695. Shreeve BJ, Patterson DS, Roberts BA, et al: Effect of m feed containing zearalenone on pregnant sows. Br V 134(5):421-7, Sep-Oct 78  
\*ANIMAL FEED/ ANIMAL/ FEMALE/ FOOD CONTAMINATION/ MYCOTOXINS/ PREGNANCY/ \*PREGNANCY, ANIMAL, drug effects/ \*RESORCINOLS, pharmacodynamics/ \*SWINE/ ZEARALENONE, administration & dosage/ \*ZEARALENONE, pharmacodynamics
3696. Shumakov VI, Gotsiridze OA: Khirurgicheskaya tekhnika transplantatsii iaichek. Vestn Khir 121(7):77-81, Jul 78  
ANIMAL/ CASTRATION/ EJACULATORY DUCTS, surgery/ EXTRACORPOREAL CIRCULATION/ HUMAN/ MALE/ TESTIS, supply/ \*TESTIS, transplantation/ TISSUE DONOR TRANSPLANTATION, ALLOGENEIC
3697. Shuvaeva NI, Popova AA, Antoshechkina ET: Diagnostika iaichnikov na razlichnykh etapakh obsledovaniia. Sov Med (8):145-9, Aug 78  
ADULT/ CASE REPORT/ FEMALE/ HUMAN/ \*OVARIAN NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS, pathology
3698. Shverina TA, Shub LV: Nekotorye pokazateli reaktivnoi simpatiko-adrenaloovoi i gifopizarno-adrenokortikal'noy sistem u bol'nykh infarktom miokarda pri fizicheskoi reabilitatsii. Kardiologiya 18(9):93-100, Sep 78 (Eng. Abstr.)  
\*ADRENAL GLANDS, physiopathology/ ADULT/ AGED/ CATECHOLAMINES, metabolism/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ \*EXERCISE THERAPY/ HUMAN/ HYDROXYCORTICOSTEROIDS, metabolism/ MIDDLE AGE/ \*MYOCARDIAL INFARCTION, physiopathology/ MYOCARDIAL INFARCTION, rehabilitation/ \*PITUITARY-ADRENAL SYSTEM, physiopathology/ \*SYMPATHETIC NERVOUS SYSTEM, physiopathology/ TIME FACTORS
3699. Shvets VN: Vliianie gidrokortizona na radiochuvstvitel'nost' stvolovykh gemopoieticheskikh kletok. Radiobiologiya 18(4):529-34, Jul-Aug 78 (Eng. Abstr.)  
ANIMAL/ BONE MARROW, cytology/ ENGLISH ABSTRACT/ FEMALE/ \*HEMATOPOIETIC STEM CELLS, drug effects/ HEMATOPOIETIC STEM CELLS, radiation effects/ \*HYDROCORTISONE, pharmacodynamics/ MICE, INBRED CBA/ MICE, INBRED C57BL/ \*RADIATION TOLERANCE/ SPLEEN, cytology/ TIME FACTORS
3700. Sidorenko LN, Egor'kova AS: Pokazateli svyazannogo s bol'nykh ioda u bol'nykh mastopatiei. Vopr Onkol 24(8):1978 (Eng. Abstr.)  
\*ADENOFIBROMA, blood/ ADENOFIBROMA, complications/ ADENOFIBROMA, physiopathology/ BLOOD PROTEINS, analysis/ \*BREAST NEOPLASMS, blood/ BREAST NEOPLASMS, complications/ BREAST NEOPLASMS, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*IODINE, blood/ MENTAL DISORDERS, complications/ PROTEIN BINDING/ \*THYROID GLAND, physiopathology



## AUTHOR SECTION

- Siegel HI, Doerr HK, Rosenblatt JS: Further studies on estrogen-induced maternal behavior in hysterectomized-ovariectomized virgin rats. *Physiol Behav* 21(1):99-103, Jul 78
- ANIMAL/ CASTRATION/ COMPARATIVE STUDY/ DOSE-RESPONSE RELATIONSHIP, DRUG/ \*ESTRADIOL, pharmacodynamics/ FEMALE/ HYSTERECTOMY/ \*MATERNAL BEHAVIOR, drug effects/ NITROMIFENE, pharmacodynamics/ PARITY/ RATS/ REACTION TIME, drug effects/ STIMULATION, CHEMICAL/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Siimes AS, Creasy RK, Heymann MA, et al: Cardiac output and its distribution and organ blood flow in the fetal lamb during ritodrine administration. *Am J Obstet Gynecol* 132(1):42-8, 1 Sep 78
- ACID-BASE EQUILIBRIUM, drug effects/ ADRENAL GLANDS, blood supply/ ANIMAL/ \*BLOOD CIRCULATION, drug effects/ BLOOD PRESSURE, drug effects/ \*CARDIAC OUTPUT, drug effects/ CORONARY CIRCULATION, drug effects/ FEMALE/ FETAL MONITORING/ FETUS, physiology/ HEART RATE, drug effects/ HEART VENTRICLE, physiology/ PREGNANCY/ \*PROPANOLAMINES, pharmacodynamics/ PULMONARY CIRCULATION, drug effects/ REGIONAL BLOOD FLOW, drug effects/ \*RITODRINE, pharmacodynamics/ SHEEP/ UMBILICUS, blood supply/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Siiteri PK: Steroid hormones and endometrial cancer. *Cancer Res* 38(11 Pt 2):4360-6, Nov 78 (74 ref.)
- \*ADENOCARCINOMA, etiology/ ADENOCARCINOMA, metabolism/ ADENOCARCINOMA, therapy/ CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ ESTROGENS, biosynthesis/ \*ESTROGENS, physiology/ ESTROGENS, SYNTHETIC, adverse effects/ \*ESTRONE, physiology/ FEMALE/ HUMAN/ \*NEOPLASMS, HORMONE-DEPENDENT, etiology/ NEOPLASMS, HORMONE-DEPENDENT, metabolism/ NEOPLASMS, HORMONE-DEPENDENT, therapy/ RECEPTORS, ESTROGEN/ RECEPTORS, PROGESTERONE/ REVIEW/ RISK/ \*UTERINE NEOPLASMS, etiology/ UTERINE NEOPLASMS, metabolism/ UTERINE NEOPLASMS, therapy
- Silber N, Winaver J, Caftori J, et al: [Diffuse osteosclerosis complicating hemodialysis] *Harefuah* 95(2):70-2, 16 Jul 78 (Eng. Abstr.) (Heb)
- ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ \*HEMODIALYSIS/ HUMAN/ HYPERPARATHYROIDISM, SECONDARY, complications/ \*OSTEOSCLEROSIS/ OSTEOSCLEROSIS, etiology
- Sillence DO, Rimoin DL, Lachman R: Neonatal dwarfism. *Pediatr Clin North Am* 25(3):453-83, Aug 78
- BONE DISEASES, DEVELOPMENTAL, diagnosis/ BONE DISEASES, DEVELOPMENTAL, familial & genetic/ DIAGNOSIS, DIFFERENTIAL/ \*DWARFISM, diagnosis/ HUMAN/ INFANT, NEWBORN/ \*INFANT, NEWBORN, DISEASES/ INFANT, NEWBORN, DISEASES, classification/ INFANT, NEWBORN, DISEASES, familial & genetic/ NOMENCLATURE/ SKULL, radiography/ SPINE, radiography/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Sills JA, Brown JK, Grace E, et al: XXX syndrome associated with immunoglobulin deficiency and epilepsy. *J Pediatr* 93(3):469-71, Sep 78
- ADOLESCENCE/ \*AGAMMAGLOBULINEMIA, complications/ CASE REPORT/ CHILD/ \*EPILEPSY, TEMPORAL LOBE, complications/ FEMALE/ HUMAN/ \*SEX CHROMOSOME ABNORMALITIES, complications/ \*SEX CHROMOSOMES/ \*X CHROMOSOME
- Silny W, Olszewska B, Karpisiewicz A: Zastosowanie ogólne i miejscowe oksytetracyliny w leczeniu trądzika pospolitego. *Przegl Dermatol* 65(3):305-10, May-Jun 78 (Eng. Abstr.) (Pol)
- \*ACNE, drug therapy/ ADMINISTRATION, ORAL/ ADOLESCENCE/ ADULT/ COMPARATIVE STUDY/ DRUG COMBINATIONS/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROCORTISONE, administration & dosage/ INJECTIONS, INTRADERMAL/ MALE/ \*OXYTETRACYCLINE, administration & dosage/ SOLUTIONS
3708. Silva JE, Kaplan MM, Cheron RG, et al: Thyroxine to 3,5,3'-triiodothyronine conversion by rat anterior pituitary and liver. *Metabolism* 27(11):1601-7, Nov 78
- ANIMAL/ CELL NUCLEUS, metabolism/ COMPARATIVE STUDY/ DITHIOTHREITOL, pharmacodynamics/ \*LIVER, metabolism/ MALE/ PITUITARY GLAND, ANTERIOR, drug effects/ \*PITUITARY GLAND, ANTERIOR, metabolism/ RATS/ \*THYROXINE, metabolism/ \*TRIIODOTHYRONINE, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3709. Silveira SR, Hadler WA: Immunochemical specificity of a benzidine technique proposed to catalases histochemical detection. *Acta Histochem (Jena)* 61(2):223-8, 1978
- ADRENAL CORTEX, enzymology/ \*BENZIDINES/ \*CATALASE, analysis/ CATALASE, immunology/ FLUORESCENT ANTIBODY TECHNIC/ HISTOCYTOCHEMISTRY/ LIVER, enzymology
3710. Silverman EM, Silverman AG: Persistence of spermatozoa in the lower genital tracts of women. *JAMA* 240(17):1875-7, 20 Oct 78
- \*CERVIX UTERI/ COITUS INTERRUPTUS/ \*COITUS/ CONTRACEPTIVE DEVICES, FEMALE/ CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ HUMAN/ IRRIGATION/ PREGNANCY/ RAPE/ \*SPERMATOZOA/ SPERMATOZOA, drug effects/ TIME FACTORS/ \*VAGINA/ VAGINAL SMEARS/ VASECTOMY
3711. Silverman PM: Cyclic AMP binding proteins and cyclic AMP-dependent protein kinase from *Blastocladiella emersonii*. *J Bacteriol* 135(3):976-80, Sep 78
- \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ BLASTOCLADIELLA, enzymology/ \*BLASTOCLADIELLA, metabolism/ BLASTOCLADIELLA, physiology/ \*CARRIER PROTEINS, metabolism/ \*PHYCOMYCETES, metabolism/ \*PROTEIN KINASE, metabolism/ SPORES, FUNGAL, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism
3712. Simerzina LV: Izmenenie aktivnosti renina v plazme venoznoi krovi sobak pod vlianiem furosemda, novurita, etakrinovoi kisloty i mannitola. *Farmakol Toksikol* 41(5):583-6, Sep-Oct 78 (Eng. Abstr.) (Rus)
- BLOOD VOLUME, drug effects/ \*DIURETICS, MERCURIAL, pharmacodynamics/ DOGS/ ENGLISH ABSTRACT/ \*ETHACRYNIC ACID, pharmacodynamics/ \*FUROSEMIDE, pharmacodynamics/ HEMATOCRIT/ MALE/ \*MANNITOL, pharmacodynamics/ \*MERCUROPHYLLINE, pharmacodynamics/ RATS/ \*RENIN, blood/ TIME FACTORS/ VEINS
3713. Simionescu L, Stoescu D, Handoca A, et al: The thyroglobulin variations during the thyroid surgery for polynodular goiter, hyperthyroidism and cancer. *Endocrinologie* 16(3):219-22, Jul-Sep 78
- FEMALE/ GOITER, NODULAR, blood/ \*GOITER, NODULAR, surgery/ HUMAN/ HYPERTHYROIDISM, blood/ \*HYPERTHYROIDISM, surgery/ MALE/ \*THYROGLOBULIN, blood/ THYROID NEOPLASMS, blood/ \*THYROID NEOPLASMS, surgery/ THYROIDECTOMY
3714. Simionescu N, Simionescu M, Palade GE: Open junctions in the endothelium of the postcapillary venules of the diaphragm. *J Cell Biol* 79(1):27-44, Oct 78
- ANIMAL/ DIAPHRAGM/ ENDOTHELIUM, ultrastructure/ FERRITIN, HEMOGLOBINS/ HISTAMINE, pharmacodynamics/ HORSERADISH PEROXIDASE/ INTERCELLULAR JUNCTIONS, drug effects/ INTERCELLULAR JUNCTIONS, physiology/ \*INTERCELLULAR JUNCTIONS, ultrastructure/ MALE/ MICE/ \*MUSCLES, blood supply/ SEROTONIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*VEINS, ultrastructure/ \*VENULES, ultrastructure
3715. Simkins RA, Eisen HJ, Sparks JW, et al: Development of glucogenesis from galactose by fetal rat liver explants in



# AUTHOR SECTION

- organ culture. Dev Biol 66(2):353-60, Oct 78  
ANIMAL/ CORTICOSTERONE, pharmacodynamics/  
DEXAMETHASONE, pharmacodynamics/  
FEMALE/ \*GALACTOSE, metabolism/  
GESTATIONAL AGE/ GLUCAGON,  
pharmacodynamics/ \*GLUCOSE, biosynthesis/  
GLUCOSE, metabolism/ LIVER GLYCOGEN,  
metabolism/ LIVER, drug effects/ LIVER,  
embryology/ \*LIVER, metabolism/ ORGAN  
CULTURE/ PREGNANCY/ RATS/  
TRIAMCINOLONE, pharmacodynamics
3716. Simon EJ: Récepteurs des opiaces et des endorphines au niveau  
du système nerveux central. Ann Anesthesiol Fr  
19(5):379-87, 1978 (Eng. Abstr.) (Fre)  
ANIMAL/ BRAIN CHEMISTRY/ \*ENDORPHINS,  
pharmacodynamics/ ENGLISH ABSTRACT/  
ENKEPHALINS, pharmacodynamics/ HUMAN/  
LIMBIC SYSTEM, analysis/ \*MORPHINE,  
pharmacodynamics/ \*RECEPTORS, NARCOTIC,  
drug effects/ SODIUM, pharmacodynamics/  
SUBSTANTIA GELATINOSA, analysis/  
SULFHYDRYL REAGENTS, pharmacodynamics
3717. Simon NG, Gandelman R: The estrogenic arousal of aggressive  
behavior in female mice. Horm Behav 10(2):118-27, Apr 78  
\*AGGRESSION, drug effects/ ANIMAL/  
\*BEHAVIOR, ANIMAL, drug effects/  
CASTRATION/ \*ESTRADIOL, pharmacodynamics/  
FEMALE/ MICE/ SEX FACTORS/  
\*TESTOSTERONE, pharmacodynamics/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
3718. Simon NG, Gandelman R: Influence of corticosterone on the  
development and display of androgen-dependent aggressive  
behavior in mice. Physiol Behav 20(4):391-6, Apr 78  
\*AGGRESSION, drug effects/ ANIMAL/  
CASTRATION/ COMPARATIVE STUDY/  
\*CORTICOSTERONE, administration & dosage/  
CORTICOSTERONE, pharmacodynamics/ DRUG  
INTERACTIONS/ MALE/ MICE/ PUBERTY/  
REACTION TIME, drug effects/ \*TESTOSTERONE,  
administration & dosage/ TESTOSTERONE,  
pharmacodynamics/ TIME FACTORS/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
3719. Simon-Oppermann C, Simon E, Jessen C, et al: Hypothalamic  
thermosensitivity in conscious Pekin ducks. Am J Physiol  
235(3):R130-40, Sep 78  
ANIMAL/ \*BODY TEMPERATURE  
REGULATION/ BODY TEMPERATURE/ COLD/  
\*DUCKS, physiology/ \*HYPOTHALAMUS,  
physiology/ REGIONAL BLOOD FLOW/ SKIN,  
blood supply/ SPECIES SPECIFICITY
3720. Simone JV, Aur RJ, Hustu HO, et al: Three to ten years after  
cessation of therapy in children with leukemia. Cancer 42(2  
Suppl):839-44, Aug 78  
ANTINEOPLASTIC AGENTS, therapeutic use/  
BONE MARROW, pathology/ BRAIN NEOPLASMS,  
prevention & control/ CHILD/ DRUG THERAPY,  
COMBINATION/ FEMALE/ HUMAN/  
LEUKEMIA, LYMPHOBLASTIC, pathology/  
\*LEUKEMIA, LYMPHOBLASTIC, therapy/  
LYMPHOCYTOSIS, pathology/ MALE/  
PROGNOSIS/ RECURRENCE/ REMISSION/  
SPINAL CORD NEOPLASMS, prevention & control/  
TESTICULAR NEOPLASMS, therapy/ TIME  
FACTORS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
3721. Simova N, Karanfilski B: Vitiligo i tireoidna oboljenja.  
Srp Arh Celok Lek 105(12):1121-7, Dec 77 (Eng. Abstr.)  
(Sec)  
ADOLESCENCE/ ADULT/ AGED/ CHILD/  
ENGLISH ABSTRACT/ FEMALE/ HUMAN/  
\*HYPERTHYROIDISM, complications/ MALE/  
MIDDLE AGE/ \*VITILIGO, complications
3722. Simpson I: Labeling of small molecules with fluorescein.  
Anal Biochem 89(1):304-5, 15 Aug 78  
\*FLUORESCENCE/ \*INSULIN/ \*PEPTIDE  
FRAGMENTS/ PROTEIN BINDING/  
THIOCYANATES/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
3723. Simpson JB, Epstein AN, Camardo JS Jr: Localization of  
receptors for the dipsogenic action of angiotensin II in the  
subfornical organ of rat. J Comp Physiol Psychol  
92(4):581-601, Aug 78  
ANGIOTENSIN II, pharmacodynamics/ ANIMAL/  
BRAIN MAPPING/ DOSE-RESPONSE  
RELATIONSHIP, DRUG/ DRINKING BEH,  
drug effects/ \*DRINKING BEHAVIOR, phy  
MALE/ \*NEUROSECRETORY SYSTEMS,  
RATS/ REACTION TIME, physiology/  
\*RECEPTORS, ANGIOTENSIN, analysis/  
RECEPTORS, ANGIOTENSIN, physiology/  
\*RECEPTORS, HORMONE, analysis/  
STIMULATION, CHEMICAL/ \*SUBFORNIC  
ORGAN, analysis/ SUBFORNICAL ORGAN  
effects/ SUBFORNICAL ORGAN, physiolog  
UNITED STATES GOV'T SUPPORTED, P
3724. Simpson JB, Reid IA, Ramsay DJ, et al: Mechanism  
dipsogenic action of tetradecapeptide renin substr  
Brain Res 157(1):63-72, 17 Nov 78  
ANGIOTENSIN II, biosynthesis/ ANGIOTE  
pharmacodynamics/ ANGIOTENSINOGEN,  
metabolism/ \*ANGIOTENSINOGEN,  
pharmacodynamics/ \*ANGIOTENSINS,  
pharmacodynamics/ ANIMAL/ BRAIN, enzy  
\*DRINKING, drug effects/ INJECTIONS,  
INTRAVENTRICULAR/ MALE/ PEPSTA  
pharmacodynamics/ PREMEDICATION/ RA  
RENIN, pharmacodynamics/ SQ 20881,  
pharmacodynamics/ UNITED STATES GOV  
SUPPORTED, P.H.S.
3725. Simpson LL: Pharmacological studies on the subcell  
of action of botulinum toxin type A.  
J Pharmacol Exp Ther 206(3):661-9, Sep 78  
AMINOPYRIDINES, pharmacodynamics/ AD  
BATRACHOTOXINS, pharmacodynamics/ B  
WIDOW SPIDER/ \*BOTULINUM TOXINS  
pharmacodynamics/ CALCIUM, metabolism/  
DOSE-RESPONSE RELATIONSHIP, DRUG  
DRUG INTERACTIONS/ IN VITRO/  
MAGNESIUM, pharmacodynamics/ MALE/  
MEMBRANE POTENTIALS, drug effects/  
\*NEURAL TRANSMISSION, drug effects/  
\*NEUROMUSCULAR JUNCTION, drug eff  
NEUROMUSCULAR JUNCTION, physiolog  
POTASSIUM, pharmacodynamics/ RATS/ SI  
VENOMS, pharmacodynamics/ UNITED ST  
GOV'T SUPPORTED, P.H.S.
3726. Simpson LL: Evidence that deprenyl, A type B mon  
oxidase inhibitor, is an indirectly acting sympatho  
amine. Biochem Pharmacol 27(11):1591-5, 1978  
ADRENALECTOMY/ ANIMAL/ BLOOD  
PRESSURE, drug effects/ \*DEPRENYL,  
pharmacodynamics/ DESIPRAMINE,  
pharmacodynamics/ HEART RATE, drug eff  
MALE/ NOREPINEPHRINE, metabolism/  
\*PHENETHYLAMINES, pharmacodynamics/  
SYMPATHECTOMY/ \*SYMPATHOMIMET  
TIME FACTORS/ UNITED STATES GOV  
SUPPORTED, P.H.S.
3727. Simpson NB, Bowden PE, Cunliffe WJ, et al: Toleranc  
anti-seborrheic effect of topically applied progest  
[proceedings] Br J Dermatol 99(Suppl 16):9, Jul 7  
ACNE, physiopathology/ FEMALE/ HUMA  
MALE/ \*PROGESTERONE, pharmacodyn  
\*SEBUM, secretion
3728. Simpson WJ, Carruthers JS: The role of external rad  
the management of papillary and follicular thyroid  
Am J Surg 136(4):457-60, Oct 78  
ADENOCARCINOMA, drug therapy/  
\*ADENOCARCINOMA, radiotherapy/  
ADOLESCENCE/ ADULT/ AGED/ CARCI  
PAPILLARY, drug therapy/ \*CARCINOMA  
PAPILLARY, radiotherapy/ CHILD/ FEM  
HUMAN/ IODINE RADIOISOTOPES, ther  
use/ MALE/ MIDDLE AGE/ NEOPLASM  
RECURRENCE, LOCAL/ RADIATION INJ  
RADIOTHERAPY, adverse effects/ THYRO  
HORMONES, therapeutic use/ THYROID  
NEOPLASMS, drug therapy/ \*THYROID  
NEOPLASMS, radiotherapy
3729. Sinadinovic J, Krainčanić M, Kostić G, et al: Retard  
biosynthesis of thyroglobulin subunits and their  
polymerization in vitro after suppression of TSH s  
in rats by chronic administration of excess thyroxin  
form of iodinated casein. Acta Endocrinol (Copen  
89(1):108-21, Sep 78  
ANIMAL/ \*CASEIN, administration & dosag  
CENTRIFUGATION, DENSITY GRADIENT



## AUTHOR SECTION

- DNA, metabolism/ \*IODINE, metabolism/ IODOPROTEINS, biosynthesis/ \*IODOPROTEINS, metabolism/ MALE/ ORGAN WEIGHT, drug effects/ POLYMERS/ RATS/ \*THYROGLOBULIN, biosynthesis/ \*THYROID GLAND, metabolism/ \*THYROTROPIN, secretion/ THYROXINE, administration & dosage/ \*THYROXINE, pharmacodynamics/ TIME FACTORS
30. Sinagowitz E, Sommerkamp H: Ergebnisse diagnostischer Hodenfreilegungen. *Helv Chir Acta* 45(3):371-2, Jul 78 (Ger)  
\*DYSGERMINOMA, diagnosis/ \*TESTICULAR NEOPLASMS, diagnosis/ TESTIS, pathology/ \*TESTIS, surgery
31. Sinclair JG, Tien AF: Actions of microiontophoretically applied ketamine. *Proc West Pharmacol Soc* 21:47-9, 1978  
ACTION POTENTIALS, drug effects/ AMYGDALOID BODY, cytology/ \*AMYGDALOID BODY, drug effects/ ANIMAL/ HIPPOCAMPUS, cytology/ \*HIPPOCAMPUS, drug effects/ IONTOPHORESIS/ \*KETAMINE, pharmacodynamics/ MALE/ NEURONS, drug effects/ RATS
32. Singer HS, Pepple JM, Ramage AL, et al: Gilles de la Tourette syndrome: further studies and thoughts. *Ann Neurol* 4(1):21-5, Jul 78  
CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ \*GILLES DE LA TOURETTE'S DISEASE/ GILLES DE LA TOURETTE'S DISEASE, familial & genetic/ GILLES DE LA TOURETTE'S DISEASE, metabolism/ GILLES DE LA TOURETTE'S DISEASE, physiopathology/ HUMAN/ HYPOXANTHINE PHOSPHORIBOSYLTRANSFERASE, blood/ LESCH-NYHAN SYNDROME, familial & genetic/ LESCH-NYHAN SYNDROME, metabolism/ MALE/ SELF MUTILATION/ SEROTONIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
33. Singh IJ, Haider S: Hypothalamo-hypophysial neurosecretory system of the teleost *Trichogaster fasciatus* (Bloch & Schneider) with a note on its vascularization. *Z Mikrosk Anat Forsch* 91(3):509-20, 1977  
ANIMAL/ \*FISHES, anatomy & histology/ \*HYPOTHALAMO-HYPOPHYSIAL SYSTEM, anatomy & histology/ HYPOTHALAMO-HYPOPHYSIAL SYSTEM, blood supply/ NEUROSECRETION/ PITUITARY GLAND, POSTERIOR, blood supply
34. Singh M, Singhi S: Oxytocin infusion during labour and neonatal jaundice. *Indian Pediatr* 15(5):399-402, May 78  
FEMALE/ HUMAN/ INFANT, NEWBORN/ \*JAUNDICE, NEONATAL, chemically induced/ \*LABOR, INDUCED/ \*OXYTOCIN, adverse effects/ PREGNANCY
35. Singh MM, Adam CE: Luteotrophic effect of the rabbit blastocyst. *J Reprod Fertil* 53(2):331-3, Jul 78  
ANIMAL/ \*BLASTOCYST, physiology/ \*CORPUS LUTEUM MAINTENANCE/ FEMALE/ PREGNANCY/ PROGESTERONE, blood/ PSEUDOPREGNANCY/ RABBITS
36. Singh MM, Booth WD: Studies on the metabolism of neutral steroids by preimplantation rabbit blastocysts in vitro and the origin of blastocyst oestrogen. *J Reprod Fertil* 53(2):297-304, Jul 78  
\*ANDROGENS, metabolism/ ANIMAL/ \*BLASTOCYST, metabolism/ \*ESTROGENS, biosynthesis/ FEMALE/ IN VITRO/ PREGNANCY/ PRENIDATION PHASE, ANIMAL/ \*PROGESTERONE, metabolism/ RABBITS
37. Singh P, Chattopadhyay T, Kapur MM, et al: Cytosol and nuclear estradiol receptors in normal and cancerous breast tissue of women. *Indian J Med Res* 68:97-106, Jul 78  
ADULT/ \*BREAST NEOPLASMS, analysis/ \*BREAST, analysis/ CELL NUCLEUS, analysis/ \*CYTOSOL, analysis/ \*ESTRADIOL/ FEMALE/ HUMAN/ MIDDLE AGE/ \*RECEPTORS, ESTROGEN, analysis
38. Singh PJ, Hofer MA: Oxytocin reinstates maternal olfactory cues for nipple orientation and attachment in rat pups. *Physiol Behav* 20(4):385-9, Apr 78  
ANIMAL/ \*ANIMALS, NEWBORN, physiology/ \*BREAST/ CATTLE/ COMPARATIVE STUDY/ CUES/ \*FEEDING BEHAVIOR, physiology/ FEMALE/ MALE/ MILK/ MILK, HUMAN/ \*NIPPLES/ \*OXYTOCIN, pharmacodynamics/ RATS/ SMELL, physiology/ \*TISSUE EXTRACTS, pharmacodynamics
3739. Singh RK, Chansouria JP, Udupa KN: Excretion and conjugation pattern of urinary 17-ketosteroids in surgical patients. *Indian J Med Res* 67:397-400, Mar 78  
DEHYDROEPIANDROSTERONE, urine/ GLUCURONATES, urine/ HUMAN/ POSTOPERATIVE PERIOD/ SULFATES, urine/ \*SURGERY, OPERATIVE/ \*17-KETOSTEROIDS, urine
3740. Singh SK, Dominic CJ: Sterilization of a non-scrotal mammal (*Suncus murinus* L.) by intratesticular injection of cadmium chloride. *Acta Eur Fertil* 9(1):65-70, Mar 78  
ANIMAL/ \*CADMIUM, adverse effects/ MALE/ NECROSIS/ SEMINIFEROUS TUBULES, pathology/ \*SHREWS/ \*STERILIZATION, SEXUAL/ \*TESTIS, drug effects/ TESTIS, pathology
3741. Singhal RL, Rastogi RB: Neurotransmitter mechanisms during mental illness induced by alterations in thyroid function. *Adv Pharmacol Chemother* 15:203-62, 1978 (250 ref.)  
ANIMAL/ ANTIDEPRESSIVE AGENTS, TRICYCLIC, pharmacodynamics/ BEHAVIOR, ANIMAL, drug effects/ BRAIN CHEMISTRY, drug effects/ DEPRESSION, complications/ DIAZEPAM, pharmacodynamics/ ENDOCRINE GLANDS, physiopathology/ HUMAN/ HYPERTHYROIDISM, complications/ LITHIUM, pharmacodynamics/ MENTAL DISORDERS, etiology/ \*MENTAL DISORDERS, physiopathology/ \*NEURAL TRANSMISSION/ REVIEW/ THYROID DISEASES, complications/ \*THYROID DISEASES, physiopathology/ THYROID HORMONES, pharmacodynamics/ THYROID HORMONES, physiology
3742. Sinha D, Karush F: The inhibition of the mixed lymphocyte culture reaction by cyclic adenosine 3',5'-monophosphate. *Proc Soc Exp Biol Med* 158(4):590-4, Sep 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ \*DIBUTYRYL CYCLIC AMP, pharmacodynamics/ HUMAN/ IN VITRO/ LEUKOCYTE CULTURE TEST, MIXED/ LYMPHOCYTE TRANSFORMATION, drug effects/ PROSTAGLANDINS E, SYNTHETIC, pharmacodynamics/ PROTEINS, biosynthesis/ T-LYMPHOCYTES, drug effects/ \*T-LYMPHOCYTES, immunology/ T-LYMPHOCYTES, metabolism/ THEOPHYLLINE, pharmacodynamics/ THYMIDINE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3743. Sinsheimer JE, Wang T, Röder S, et al: Mechanisms for the biodehalogenation of iodocompounds. *Biochem Biophys Res Commun* 83(1):281-6, 14 Jul 78  
\*ANILINE COMPOUNDS, metabolism/ ANIMAL/ AROCLORS, pharmacodynamics/ \*BIPHENYL COMPOUNDS, metabolism/ BIPHENYL COMPOUNDS, pharmacodynamics/ CYTOSOL, metabolism/ IODINE RADIOISOTOPES/ \*IODINE, metabolism/ LIVER, drug effects/ \*LIVER, metabolism/ MALE/ MICROSOMES, LIVER, metabolism/ \*NITROBENZENES, metabolism/ RATS/ \*THYROID GLAND, metabolism
3744. Sinzinger H, Silberbauer K, Winter M, et al: Implanted vascular prostheses generate prostacyclin [letter] *Lancet* 2(8094):840, 14 Oct 78  
\*BLOOD VESSEL PROSTHESIS/ HUMAN/ ILIAC ARTERY, metabolism/ POLYETHYLENE TEREPHTHALATE/ \*PROSTAGLANDINS X, biosynthesis/ \*PROSTAGLANDINS, biosynthesis
3745. Sippell WG, Putz G, Scheuerecker M: Convenient system for the simultaneous separation of 11-deoxycortisol and aldosterone by Sephadex LH-20 multiple column chromatography. *J Chromatogr* 146(2):333-6, 1 Sep 78  
\*ALDOSTERONE, isolation & purification/ CHROMATOGRAPHY, GEL/ \*CORTODOXONE, isolation & purification/ METHODS/ \*17-HYDROXYCORTICOSTEROIDS, isolation & purification
3746. Sipponen P, Similä S, Collan Y, et al: Familial syndrome with panhypopituitarism, hypoplasia of the hypophysis, and poorly developed sella turcica. *Arch Dis Child* 53(8):664-7, Aug



# AUTHOR SECTION

- 78 CHILD, PRESCHOOL/ FEMALE/ HUMAN/  
\*HYPOPHYSITARISM, familial & genetic/ INFANT/  
\*PITUITARY GLAND, abnormalities/ \*SELLA  
TURCICA, abnormalities/ SELLA TURCICA,  
radiography/ SYNDROME
3747. Sirbasku DA: Estrogen induction of growth factors specific  
for hormone-responsive mammary, pituitary, and kidney  
tumor cells. Proc Natl Acad Sci USA 75(8):3786-90, Aug  
78  
ANIMAL/ CELL LINE/ \*ESTROGENS,  
pharmacodynamics/ FEMALE/ \*GROWTH  
SUBSTANCES, metabolism/ HAMSTERS/ HEAT/  
\*KIDNEY NEOPLASMS, metabolism/ KIDNEY,  
metabolism/ LIVER, metabolism/ \*MAMMARY  
NEOPLASMS, EXPERIMENTAL, metabolism/  
NEOPLASMS, EXPERIMENTAL, metabolism/  
\*NEOPLASMS, HORMONE-DEPENDENT,  
metabolism/ ORGAN SPECIFICITY/ \*PITUITARY  
NEOPLASMS, metabolism/ RATS/ UTERUS,  
metabolism
3748. Sirotnin BZ, Zaev AP, Bystrovskii VF: Arterial'naia gipertonii  
tsentral'naia i pochednaia gemodinamika i aktivnost' renina  
v plazme u bol'nykh gemorragicheskoi likhoradkoj s  
pochednym sindromom. Klin Med (Mosk) 56(9):68-73, (Sep  
78 (Eng. Abstr.) (Rus)  
ENGLISH ABSTRACT/ \*HEMODYNAMICS/  
HEMORRHAGIC FEVER, EPIDEMIC, blood/  
\*HEMORRHAGIC FEVER, EPIDEMIC,  
physiopathology/ HUMAN/ HYPERTENSION,  
RENAL, blood/ \*HYPERTENSION, RENAL,  
physiopathology/ \*KIDNEY, blood supply/  
NEPHROTIC SYNDROME, blood/ \*NEPHROTIC  
SYNDROME, physiopathology/ RENAL ARTERY/  
\*RENIN, blood
3749. Sitaram BR, Lees GJ: Diurnal rhythm and turnover of  
tryptophan hydroxylase in the pineal gland of the rat.  
J Neurochem 31(4):1021-6, Oct 78  
P-CHLOROPHENYLALANINE, pharmacodynamics/  
ANIMAL/ CYCLOHEXIMIDE, pharmacodynamics/  
DIURNAL RHYTHM/ DRUG STABILITY/ MALE/  
PINEAL BODY, drug effects/ \*PINEAL BODY,  
enzymology/ RATS/ TEMPERATURE/  
\*TRYPTOPHAN HYDROXYLASE, metabolism
3750. Sivasuriya M, Tan KL, Salmon YM, et al: Neonatal serum  
bilirubin levels in spontaneous and induced labour.  
Br J Obstet Gynaecol 85(8):619-23, Aug 78  
\*BILIRUBIN, blood/ FEMALE/ HUMAN/ INFANT,  
NEWBORN/ JAUNDICE, NEONATAL, blood/  
\*JAUNDICE, NEONATAL, etiology/ \*LABOR/  
\*LABOR, INDUCED, adverse effects/ LABOR,  
INDUCED, methods/ OXYTOCIN, adverse effects/  
PREGNANCY/ PROSPECTIVE STUDIES/  
PROSTAGLANDINS E, adverse effects
3751. Sjöquist PO, Mårtensson L, Bjellin L, et al: Actions of a new  
vasopressin analogue  
(1-deamino-6-carba-[8-arginine]-vasopressin) on regional  
blood flow in pregnant guinea pigs.  
Acta Pharmacol Toxicol (Copenh) 43(3):190-5, Sep 78  
ANIMAL/ \*ARGIPRESSIN, analogs & derivatives/  
ARGIPRESSIN, administration & dosage/  
ARGIPRESSIN, pharmacodynamics/ BLOOD  
PRESSURE, drug effects/ FEMALE/ GUINEA  
PIGS/ HEART RATE, drug effects/ INJECTIONS,  
INTRAVENOUS/ MICROSPHERES/ PLACENTA,  
blood supply/ PREGNANCY/ \*REGIONAL BLOOD  
FLOW, drug effects
3752. Sjöström M, Lorentzon R, Larsson SE, et al: The influence  
of 1,25-dihydroxycholecalciferol on the ultrastructural  
organization of skeletal muscle fibres. Morphometric analyses  
on vitamin D deficient or calcium deficient growing rats.  
Med Biol 56(4):209-15, Aug 78  
ANIMAL/ CALCIUM, blood/ \*CALCIUM,  
deficiency/ \*DIHYDROXYCHOLECALCIFEROLS,  
pharmacodynamics/  
\*HYDROXYCHOLECALCIFEROLS,  
pharmacodynamics/ MALE/ MITOCHONDRIA,  
MUSCLE, ultrastructure/ \*MUSCLES, drug effects/  
MUSCLES, ultrastructure/ PHOSPHORUS, blood/  
PROTEIN BINDING, drug effects/ RATS/  
SARCOPLASMIC RETICULUM, ultrastructure/  
\*VITAMIN D DEFICIENCY, pathology
3753. Skadhauge E: Hormonal regulation of salt and water balance  
in granivorous birds. pp. 22-9.  
In: Assenmacher I, Farner DS, ed. Environmental  
endocrinology. Berlin, Springer, 1978. WK 102.3 E6  
(26 ref.)  
ANIMAL/ \*BIRDS, physiology/ CLOACA,  
physiology/ \*HORMONES, physiology/ IONS/  
KIDNEY, physiology/ MONOGRAPH/ REVIEW/  
SALT/ SODIUM CHLORIDE, metabolism/  
\*WATER-ELECTROLYTE BALANCE
3754. Skadhauge E: Osmoregulation and hormones in reptile  
217-21.  
In: Assenmacher I, Farner DS, ed. Environmental  
endocrinology. Berlin, Springer, 1978. WK 102.3 E6  
(17 ref.)  
ANIMAL/ CLOACA, physiology/ COMPARA  
STUDY/ \*HORMONES, physiology/  
MONOGRAPH/ \*REPTILES, physiology/ RE  
SALT GLAND, physiology/ SKIN, physiology/  
SPECIES SPECIFICITY/ URETER, physiology/  
URINE/ \*WATER-ELECTROLYTE BALAN
3755. Skerovic Dj, Lončar H, Karahoda N, et al: Osmotska op  
eritrocita zamoraca simultano tretiranih tiroksinom  
hidrokortizonom. Srp Arh Celok Lek 105(9):713-7,  
(Eng. Abstr.)  
ANIMAL/ ENGLISH ABSTRACT/  
\*ERYTHROCYTES, drug effects/ ERYTHROCY  
physiology/ GUINEA PIGS/ \*HYDROCORTI  
pharmacodynamics/ OSMOTIC FRAGILITY,  
effects/ \*THYROXINE, pharmacodynamics
3756. Skett P, Eneroth P, Gustafsson JA: The effect of  
2-Br-alpha-ergocryptine on the hepatic steroid met  
and serum pituitary hormone levels in normal rats  
with an ectopic pituitary. Biochem Pharmacol 27(13):  
1978  
ANIMAL/ FEMALE/ HYPOPHYSECTOMY  
LIVER, drug effects/ LIVER, enzymology/ \*L  
metabolism/ MALE/ PITUITARY GLAND,  
transplantation/ \*PITUITARY HORMONES, U  
RATS/ SEX FACTORS/ \*STEROIDS, metab  
TRANSPLANTATION, HOMOLOGOUS/  
\*2-BROMOERGOCRYPTINE, pharmacodynami
3757. Skidgel RA, Printz MP: PGI2 production by rat blood  
diminished prostacyclin formation in veins compare  
arteries. Prostaglandins 16(1):1-16, Jul 78  
ANIMAL/ \*ARTERIES, metabolism/  
COMPARATIVE STUDY/ IN VITRO/  
PROSTAGLANDINS H, metabolism/  
\*PROSTAGLANDINS X, biosynthesis/  
\*PROSTAGLANDINS, biosynthesis/ RATS/  
UNITED STATES GOV'T SUPPORTED, P.  
\*VEINS, metabolism
3758. Skinner JD: Breeding cycles in three species of Afri  
ungulates. pp. 64-72.  
In: Assenmacher I, Farner DS, ed. Environmental  
endocrinology. Berlin, Springer, 1978. WK 102.3 E  
ANIMAL/ \*ARTIODACTYLA, physiology/  
CHICKENS/ CLIMATE/ EPIDIDYMI, phys  
MALE/ MONOGRAPH/ PERIODICITY/  
\*REPRODUCTION/ SEMINIFEROUS TUB  
physiology/ SOUTH AFRICA/ SPECIES  
SPECIFICITY/ TESTIS, physiology/  
TESTOSTERONE, physiology
3759. Skok VI, Selianko AA: Deistvie lokal'noi ionoforetich  
applikatsii atsetilkholina i serotoninina na neirony ve  
sheinogo gangliia krolika. Neurofiziologija 10(5):519-2  
(Eng. Abstr.)  
\*ACETYLCHOLINE, administration & dosage  
ANIMAL/ COMPARATIVE STUDY/  
ELECTROPHYSIOLOGY/ ENGLISH ABST  
EVOKED POTENTIALS/ GANGLIA,  
AUTONOMIC, analysis/ \*GANGLIA, AUTON  
drug effects/ GANGLIA, AUTONOMIC, phys  
IN VITRO/ IONTOPHORESIS/ RABBITS/  
RECEPTORS, MUSCARINIC, analysis/  
RECEPTORS, NICOTINIC, analysis/ \*SERO  
administration & dosage
3760. Sköldfors H, Blomstedt B, Carlström K: Serum hormo  
in benign prostatic hyperplasia. Scand J Urol Neph  
12(2):111-4, 1978  
AGE FACTORS/ AGED/ \*ESTRONE, blood,  
blood/ HUMAN/ \*LH, blood/ MALE/ MID  
AGE/ \*PROSTATIC HYPERTROPHY, blood  
\*TESTOSTERONE, blood
3761. Skrabanek P, Powell D: Ectopic insulin and Occam's



## AUTHOR SECTION

- reappraisal of the riddle of tumour hypoglycaemia.  
Clin Endocrinol (Oxf) 9(2):141-54, Aug 78 (123 ref.)  
CARCINOID TUMOR, complications/ CARCINOID TUMOR, metabolism/ \*HORMONES, ECTOPIC, biosynthesis/ HUMAN/ \*HYPOGLYCEMIA, etiology/ \*INSULIN, biosynthesis/ \*NEOPLASMS, complications/ NEOPLASMS, metabolism/ NEOPLASMS, pathology/ NERVE GROWTH FACTOR, metabolism/ REVIEW/ SOMATOMEDIN, metabolism
- Skrabaneck P, Powell D: Unifying concept of non-pituitary ACTH-secreting tumors: evidence of common origin of neural-crest tumors, carcinoids, and oat-cell carcinomas. Cancer 42(3):1263-9, Sep 78 (0 ref.)  
\*CARCINOID TUMOR, embryology/ CARCINOID TUMOR, secretion/ \*CARCINOMA, OAT CELL, embryology/ CARCINOMA, OAT CELL, secretion/ \*CORTICOTROPIN, secretion/ CUSHING'S SYNDROME, complications/ FEMALE/ \*HORMONES, ECTOPIC, secretion/ HUMAN/ MALE/ NEOPLASMS, complications/ \*NEUROBLASTOMA, embryology/ NEUROBLASTOMA, secretion/ \*PHEOCHROMOCYTOMA, embryology/ PHEOCHROMOCYTOMA, secretion/ REVIEW
- Slabý A, Tiserová J, Urbánek J: Vzestup krevního tlaku při námaze a plazmatická reninová aktivita. Cas Lek Cesk 117(29-30):928-30, 28 Jul 78 (Eng. Abstr.) (Cze)  
ADULT/ AGE FACTORS/ \*BLOOD PRESSURE/ ENGLISH ABSTRACT/ \*EXERTION/ HUMAN/ MALE/ MIDDLE AGE/ \*RENIN, blood
- Slagsvold JE: Pulfrich pendulum phenomenon in patients with a history of acute optic neuritis. Acta Ophthalmol (Copenh) 56(5):817-26, Oct 78  
ACUTE DISEASE/ ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ \*ILLUSIONS/ MALE/ MIDDLE AGE/ OPTIC NEURITIS, diagnosis/ OPTIC NEURITIS, drug therapy/ \*OPTIC NEURITIS, physiopathology/ \*OPTICAL ILLUSIONS/ PREDNISON, therapeutic use/ TIME FACTORS/ VISION TESTS/ VISUAL ACUITY/ VISUAL PERCEPTION
- Slaughter CA, Hopkinson DA, Harris H: Aconitase polymorphism in man. Ann Hum Genet 39(2):193-202, Oct 75  
\*ACONITATE HYDRATASE, genetics/ ELECTROPHORESIS, STARCH GEL/ ENGLAND/ FEMALE/ HUMAN/ LEUKOCYTES, enzymology/ MALE/ NIGERIA/ PEDIGREE/ PLACENTA, enzymology/ \*POLYMORPHISM (GENETICS)
- Slavov VN, Luchitskii EV, Komissarenko IV, et al: Mineralokortikoidnaia funktsiia kory nadpochechnikov i renin—angiotenzinnaia sistema pri bolezni Itsenko-Kushinga. Probl Endokrinol (Mosk) 24(5):39-44, Sep-Oct 78 (Eng. Abstr.) (Rus)  
ADOLESCENCE/ \*ADRENAL CORTEX, physiopathology/ ADULT/ ALDOSTERONE, analogs & derivatives/ ALDOSTERONE, blood/ ALDOSTERONE, secretion/ \*ANGIOTENSINS, blood/ CUSHING'S SYNDROME, drug therapy/ \*CUSHING'S SYNDROME, physiopathology/ ENGLISH ABSTRACT/ GLUCURONATES, urine/ HUMAN/ MIDDLE AGE/ \*MINERALOCORTICOIDS, physiology/ MITOTANE, therapeutic use/ REMISSION/ \*RENIN, blood
- Slavov VN, Luchitskii EV, Komissarenko IV, et al: Gipotalamo-gipofizarno-tiroidnaia vzaimosv'яз' u bol'nykh bolezniu Itsenko-Kushinga, lecheniynykh khloditanom. Klin Med (Mosk) 56(8):65-70, Aug 78 (Eng. Abstr.) (Rus)  
ADOLESCENCE/ ADULT/ CUSHING'S SYNDROME, blood/ CUSHING'S SYNDROME, drug therapy/ \*CUSHING'S SYNDROME, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MALE/ MIDDLE AGE/ \*MITOTANE, therapeutic use/ \*THYROID GLAND, physiopathology/ THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood
- Slivinskii GG: Metod sedimentatsionno—elektroforeticheskogo analiza kletochnykh populatsii. Tsitologiya 20(7):839-43, Jul 78 (Eng. Abstr.) (Rus)  
ANIMAL/ \*CARCINOMA, EHRlich TUMOR, pathology/ \*CYTOLOGICAL TECHNIQUES/ ELECTROPHORESIS/ ENGLISH ABSTRACT/ GRAVITATION/ MICE/ \*OVARIAN NEOPLASMS, pathology/ PHOTOGRAPHY/ RATS
3769. Sliwa F, Cesarz E, Lukas A, et al: Odporność komórkowa i humoralna u dzieci z zespołem Turnera. Wiad Lek 31(17):1193-6, 1 Sep 78 (Eng. Abstr.) (Pol)  
ADOLESCENCE/ AGE FACTORS/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ \*IMMUNITY, CELLULAR/ \*IMMUNOGLOBULINS, analysis/ \*TURNER'S SYNDROME, immunology
3770. Slob AK, Wiegand SJ, Goy RW, et al: Heterosexual interactions in laboratory-housed stump-tail macaques (Macaca arctoides): observations during the menstrual cycle and after ovariectomy. Horm Behav 10(2):193-211, Apr 78  
ANDROGENS, blood/ ANIMAL/ \*ANIMALS, LABORATORY/ \*CASTRATION/ ESTRADIOL, blood/ FEMALE/ \*MACACA/ MALE/ \*MENSTRUATION/ MONKEYS/ PROGESTERONE, blood/ \*SEX BEHAVIOR, ANIMAL/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3771. Slotboom AJ, Verheij HM, Puijk WC, et al: High enzymatic activity of specifically iodinated bovine phospholipase A2. FEBS Lett 92(2):361-4, 15 Aug 78  
AMINO ACID SEQUENCE/ ANIMAL/ BINDING SITES/ CATTLE/ ENZYME PRECURSORS, metabolism/ IODINE RADIOISOTOPES/ \*IODOPROTEINS, metabolism/ IODOTYROSINE/ KINETICS/ PANCREAS, enzymology/ \*PHOSPHOLIPASE, metabolism
3772. Slotkin TA, Seidler FJ, Whitmore WL, et al: Rat brain synaptic vesicles: uptake specificities of [3H]norepinephrine and [3H]serotonin in preparations from whole brain and brain regions. J Neurochem 31(4):961-8, Oct 78  
ANIMAL/ BRAIN STEM, metabolism/ BRAIN, drug effects/ \*BRAIN, metabolism/ CEREBELLUM, metabolism/ CEREBRAL CORTEX, metabolism/ CORPUS STRIATUM, metabolism/ DESIPRAMINE, pharmacodynamics/ HYDROXYDOPAMINE, pharmacodynamics/ MALE/ MESECEPHALON, metabolism/ \*NOREPINEPHRINE, metabolism/ RATS/ \*SEROTONIN, metabolism/ \*SYNAPTIC VESICLES, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 5,6-DIHYDROXYTRYPTAMINE, pharmacodynamics
3773. Slowikowska MG, Sawicka A, Gajewski AK: Zmiany ciężaru narządów wewnętrznych myszy napromienionych w różnym wieku promieniowaniem X. Rocz Panstw Zakł Hig 29(3):339-46, 1978 (Eng. Abstr.) (Pol)  
AGE FACTORS/ ANIMAL/ ENGLISH ABSTRACT/ MALE/ MICE/ MICE, INBRED A/ ORGAN WEIGHT, radiation effects/ \*RADIATION INJURIES, EXPERIMENTAL/ TESTIS, anatomy & histology
3774. Small M: Opposing reactivities of subpopulations of T lymphocytes toward syngeneic tumor cells: separation of early thymocytes. J Immunol 121(3):1167-72, Sep 78  
ANIMAL/ CELL SEPARATION/ CELL TRANSFORMATION, NEOPLASTIC/ FEMALE/ \*FIBROSARCOMA, immunology/ HISTOCOMPATIBILITY ANTIGENS/ HYDROCORTISONE, pharmacodynamics/ IMMUNE SERUMS, pharmacodynamics/ LYMPHOCYTE TRANSFORMATION/ MALE/ MICE/ MICE, INBRED CBA/ MICE, INBRED C57BL/ PHYTOHEMAGGLUTININS, pharmacodynamics/ \*T-LYMPHOCYTES, immunology/ TIME FACTORS
3775. Smelik PG: Some aspects of corticosteroid feedback actions. Ann NY Acad Sci 297:580-90, 28 Oct 77  
\*ADRENAL CORTEX HORMONES, physiology/ ANIMAL/ \*BRAIN, physiology/ CORTICOTROPIN RELEASING HORMONE, metabolism/ CORTICOTROPIN, metabolism/ FEEDBACK/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ HYPOTHALAMUS, physiology/ IN VITRO/ PITUITARY-ADRENAL SYSTEM, physiology/ RATS
3776. Smiller RR, Kolenkina IV, Pankov AK: Polovoi khromatin i obmen gliukokortikoidnykh gormonov u bol'nykh rakom molochnoi zhelezy. Vopr Onkol 24(8):91-3, 1978 (Eng. Abstr.) (Rus)  
ADRENAL CORTEX, metabolism/ ADULT/ \*BREAST NEOPLASMS, familial & genetic/ BREAST



# AUTHOR SECTION

- NEOPLASMS, metabolism/ ENGLISH ABSTRACT/  
FEMALE/ \*GLUCOCORTICIDS, metabolism/  
HUMAN/ MIDDLE AGE/ \*NEUTROPHILS,  
ultrastructure/ \*SEX CHROMATIN
3777. Smirnov AN, Smirnova OV, Shul'gina NK, et al:  
Mnogokomponentnaia sistema éstrogensvaziyavaiushchikh  
belkov tsitozolia pecheni: vidovye razlichia u krya, myshei  
i morskikh svinok. *Biull Eksp Biol Med* 86(8):233-5, Aug  
78 (Eng. Abstr.) (Rus)  
ANIMAL/ \*CARRIER PROTEINS, analysis/  
CHEMISTRY/ CHROMATOGRAPHY, GEL/  
COMPARATIVE STUDY/ CYTOSOL, analysis/  
ENGLISH ABSTRACT/ \*ESTRADIOL, metabolism/  
FEMALE/ GUINEA PIGS/ \*LIVER, analysis/  
MALE/ MICE/ RATS/ RECEPTORS, ESTROGEN,  
analysis/ SPECIES SPECIFICITY
3778. Smirnov AN, Kondrat'ev Ialu, Smirnova OV, et al:  
Mnogokomponentnaia sistema spetsificheskikh  
éstrogensvaziyavaiushchikh belkov pecheni. Nekotorye  
svoistva bystrodissoitsiiruiushchego  
éstrogensvaziyavaiushchego belka pecheni morskikh svinok.  
*Probl Endokrinol (Mosk)* 24(5):79-85, Sep-Oct 78 (Eng.  
Abstr.) (Rus)  
ANIMAL/ BUFFERS/ CHEMISTRY, PHYSICAL/  
COMPARATIVE STUDY/ CYTOSOL, metabolism/  
ENGLISH ABSTRACT/ ESTRADIOL, metabolism/  
\*ESTROGENS, metabolism/ FEMALE/ GUINEA  
PIGS/ HYDROGEN-ION CONCENTRATION/  
\*LIVER, metabolism/ MALE/ MOLECULAR  
CONFORMATION/ MOLECULAR WEIGHT/  
PROTEIN BINDING, drug effects/ PROTEINS,  
isolation & purification/ \*PROTEINS, metabolism/  
RATS
3779. Smirnov VT, Dubrovskaya FI, Kiseleva TI: Deistvie  
dimetildioksana na generativnuiu funktsiiu  
éksperimental'nykh zhivotnykh. *Gig Sanit* (9):16-8, Sep 78  
(Eng. Abstr.) (Rus)  
ANIMAL/ \*DIOXANES, toxicity/ \*DIOXINS,  
toxicity/ DOSE-RESPONSE RELATIONSHIP,  
DRUG/ EMBRYO, drug effects/ ENGLISH  
ABSTRACT/ ENVIRONMENTAL EXPOSURE/  
ESTRUS, drug effects/ FEMALE/ GONADS, drug  
effects/ MALE/ ORGAN WEIGHT, drug effects/  
PREGNANCY/ RATS/ \*REPRODUCTION, drug  
effects/ TIME FACTORS
3780. Smith AF, Landon GV, Ghanadian R, et al: The ultrastructure  
of the male and female prostate of *Pracomys* (Mastomys)  
*natalensis*. I. Normal, castrated and ovariectomized animals.  
*Cell Tissue Res* 190(3):539-52, 10 Jul 78  
ANIMAL/ \*CASTRATION/ COMPARATIVE  
STUDY/ FEMALE/ MALE/ \*PROSTATE,  
ultrastructure/ \*RODENTS, anatomy & histology/ SEX  
HORMONES, physiology
3781. Smith BH, Sweet WH: Monoaminergic regulation of central  
nervous system function: II. Serotonergic systems.  
*Neurosurgery* 3(2):257-72, Sep-Oct 78 (152 ref.)  
BODY TEMPERATURE REGULATION, drug  
effects/ \*BRAIN CHEMISTRY/ CENTRAL  
NERVOUS SYSTEM, drug effects/ \*CENTRAL  
NERVOUS SYSTEM, physiology/ FETUS/ NEURAL  
PATHWAYS/ NEUROHUMORS, physiology/ PAIN,  
physiopathology/ REVIEW/ SEROTONIN,  
pharmacodynamics/ \*SEROTONIN, physiology/  
SLEEP, drug effects/ VASOMOTOR SYSTEM,  
physiology
3782. Smith CB, Smith DA: Structural role of bone apatite in human  
femoral compacta. *Acta Orthop Scand* 49(5):440-4, Oct 78  
ADOLESCENCE/ ADULT/ AGE FACTORS/  
AGED/ \*APATITES/ APATITES, analysis/ BONE  
AND BONES, analysis/ \*BONE AND BONES,  
physiology/ CHILD/ CHILD, PRESCHOOL/  
CRYSTALLOGRAPHY/ FEMALE/ FEMUR,  
analysis/ FEMUR, physiology/ HUMAN/ MALE/  
MIDDLE AGE/ TENSILE STRENGTH/ X-RAY  
DIFFRACTION
3783. Smith DF, Shimizu M: The role of plasma volume, plasma renin  
and the sympathetic nervous system in the posture-induced  
decline in renal lithium clearance in man.  
*Neuropsychobiology* 4(6):328-32, 1978  
ABSORPTION/ ADULT/ GUANETHIDINE,  
pharmacodynamics/ HUMAN/ IMMERSION/  
LITHIUM, metabolism/ \*LITHIUM, urine/ MALE/  
METABOLIC CLEARANCE RATE/ MOVEMENT/  
OXPRENOLOL, pharmacodynamics/ \*PLASMA
- VOLUME/ \*POSTURE/ \*RENIN, blood/  
\*SYMPATHETIC NERVOUS SYSTEM, phys  
TEMPERATURE
3784. Smith DF, Penning TM, Ansari AQ, et al: Oestrogen-  
cholesterol and fatty acid biosynthesis in *Xenopus* lae  
during vitellogenic response. *Biochem J* 174(2):353-  
Aug 78  
ANIMAL/ CELL-FREE SYSTEM/  
\*CHOLESTEROL, biosynthesis/ \*ESTRADIOL,  
pharmacodynamics/ \*FATTY ACIDS, biosynt  
FEMALE/ IN VITRO/ LIVER, drug effects/  
\*LIVER, metabolism/ MICROSOMES, LIVER  
metabolism/ SQUALENE, biosynthesis/  
VITELLOGENIN, biosynthesis/ XENOPUS
3785. Smith FW, Junor BJ: Peri-articular calcification with  
levels in secondary hyperparathyroidism. *Br J Rad*  
51(609):741-2, Sep 78  
ADULT/ \*CALCINOSIS, etiology/ CALCIN  
radiography/ CALCIUM, blood/ CASE REPO  
HEMODIALYSIS, adverse effects/ HUMAN/  
\*HYPERPARATHYROIDISM, SECONDARY  
complications/ MALE/ SHOULDER JOINT,  
radiography
3786. Smith IE, Fitzharris BM, McKinna JA, et al:  
Aminoglutethimide in treatment of metastatic breast  
carcinoma. *Lancet* 2(8091):646-9, 23 Sep 78  
ADMINISTRATION, ORAL/ ADRENAL CO  
HORMONES, antagonists & inhibitors/ ADRE  
CORTEX HORMONES, biosynthesis/ AGED  
AMINOGLUTETHIMIDE, administration & d  
AMINOGLUTETHIMIDE, adverse effects/  
\*AMINOGLUTETHIMIDE, therapeutic use/  
NEOPLASMS, drug therapy/ \*BREAST  
NEOPLASMS, drug therapy/ DRUG  
EVALUATION/ FEMALE/ HUMAN/ \*LIV  
NEOPLASMS, drug therapy/ \*LUNG NEOPL  
drug therapy/ MIDDLE AGE/ NEOPLASM  
METASTASIS/ NEOPLASM RECURRENCE  
LOCAL, drug therapy/ \*SOFT TISSUE  
NEOPLASMS, drug therapy
3787. Smith J, Farr GH Jr: An unusual case of dense bon  
*Clin Bull* 7(1):40-1, 1977  
ADULT/ \*BONE AND BONES, pathology/  
REPORT/ HUMAN/ MALE/ PELVIS/  
SARCIDOSIS, complications/ \*SARCIDOS  
pathology/ SCLEROSIS
3788. Smith JF, Macmillan KL: The applied and economic  
of oestrus synchronisation in cattle. *NZ Vet J* 26(7)  
Jul 78  
ANIMAL/ \*CATTLE, physiology/  
\*CLOPROSTENOL, pharmacodynamics/ COS  
AND COST ANALYSIS/ \*ESTRUS  
SYNCHRONIZATION, drug effects/ FEMAL  
PREGNANCY/ \*PROGESTERONE,  
pharmacodynamics/ \*PROSTAGLANDINS F,  
SYNTHETIC, pharmacodynamics
3789. Smith K, Dillingham L, Giddens WE Jr: Metabolic bone  
resembling osteosarcoma in a wooly monkey (*Lago  
lagotricha*). *Lab Anim Sci* 28(4):451-6, Aug 78  
ANIMAL/ \*BONE NEOPLASMS, veterinary/  
CALCIUM, deficiency/ CASE REPORT/  
CHOLECALCIFEROLS, deficiency/ DIAGN  
DIFFERENTIAL/ FEMALE/ FIBROUS  
DYSPLASIA OF BONE, diagnosis/ FIBROUS  
DYSPLASIA OF BONE, pathology/ \*FIBRO  
DYSPLASIA OF BONE, veterinary/ HUMER  
pathology/ \*MONKEY DISEASES, diagnosis/  
MONKEY DISEASES, pathology/ MONKEY  
\*SARCOMA, OSTEOGENIC, veterinary/ UN  
STATES GOV'T SUPPORTED, P.H.S./ VIT  
D DEFICIENCY, diagnosis/ VITAMIN D  
DEFICIENCY, pathology/ VITAMIN D  
DEFICIENCY, veterinary
3790. Smith MS: The relative contribution of suckling and p  
to the inhibition of gonadotropin secretion during la  
in the rat. *Biol Reprod* 19(1):77-83, Aug 78  
ANIMAL/ CASTRATION/ FEMALE/ \*FSH  
secretion/ \*LACTATION/ LACTATION, dru  
effects/ LITTER SIZE/ \*LH, secretion/  
PREGNANCY/ \*PROLACTIN, pharmacodyn  
RATS/ UNITED STATES GOV'T SUPPORT  
P.H.S.
3791. Smith RD, Hilf R, Senior AE: The effect of altered



## AUTHOR SECTION

- state on prolactin binding to liver and 7,12-dimethylbenz(a)anthracene-induced mammary tumors in rats. *Proc Soc Exp Biol Med* 158(4):517-20, Sep 78  
ANIMAL/ \*BENZANTHRACENES/ FEMALE/ HYPERTHYROIDISM, chemically induced/ HYPERTHYROIDISM, metabolism/ HYPOTHYROIDISM, chemically induced/ HYPOTHYROIDISM, metabolism/ \*LIVER, metabolism/ MAMMARY NEOPLASMS, EXPERIMENTAL, etiology/ \*MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ PROLACTIN, blood/ \*PROLACTIN, metabolism/ PROPYLTHIOURACIL/ RATS/ \*THYROID GLAND, physiology/ THYROXINE/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*9,10-DIMETHYL-1,2-BENZANTHRACENE
2. Smolensky MH, Halberg F, Harter J, et al: Higher corticosterone values at a fixed single timepoint in serum from mice 'trained' by prior handling. *Chronobiologia* 5(1):1-13, Jan-Mar 78  
ADRENAL CORTEX HORMONES, administration & dosage/ AGING/ ANIMAL/ \*CIRCADIAN RHYTHM/ \*CORTICOSTERONE, blood/ \*HABITUATION (PSYCHOPHYSIOLOGY), physiology/ \*HANDLING (PSYCHOLOGY)/ MALE/ MICE/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3. Snarski A, Slisz J, Gockowski K: Przypadek wrodzonej niedoczynności tarczycy z defektem tyreoglobuliny i zastępczym jodowaniem albuminy. *Endokrynol Pol* 29(4):313-20, Jul-Aug 78 (Eng. Abstr.) (Pol)  
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ HYPOTHYROIDISM, congenital/ \*HYPOTHYROIDISM, metabolism/ \*IODINE, blood/ MALE/ \*SERUM ALBUMIN, metabolism/ \*THYROGLOBULIN, deficiency
4. Snart RS: Actinomycin D inhibits aldosterone-stimulated ammonia release from rat kidneys [proceedings] *J Physiol (Lond)* 281:25P-26P, Aug 78  
ALDOSTERONE, pharmacodynamics/ \*AMMONIA, secretion/ ANIMAL/ \*DACTINOMYCIN, pharmacodynamics/ \*KIDNEY, secretion/ MALE/ RATS/ SECRETORY RATE, drug effects/ STIMULATION, CHEMICAL
5. Sneapolis O, Heerfordt J, Dissing I, et al: Numerical assessment of bone scintigraphy in primary bone tumors and tumor-like conditions. *J Bone Joint Surg [Am]* 60(7):966-9, Oct 78  
ADOLESCENCE/ ADULT/ AGE FACTORS/ AGED/ BONE AND BONES, metabolism/ BONE DISEASES, metabolism/ \*BONE DISEASES, radionuclide imaging/ BONE NEOPLASMS, metabolism/ \*BONE NEOPLASMS, radionuclide imaging/ CHILD/ CHILD, PRESCHOOL/ DIAGNOSIS, DIFFERENTIAL/ EVALUATION STUDIES/ FEMALE/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ TECHNETIUM, diagnostic use/ TECHNETIUM, metabolism
6. Snyder J, Hymer WC, Wilfinger WW: Culture of human pituitary prolactin and growth hormone cells. *Cell Tissue Res* 191(3):379-88, 16 Aug 78  
BREAST NEOPLASMS/ CELL SEPARATION/ CELLS, CULTURED/ DIABETIC RETINOPATHY/ FEMALE/ HUMAN/ MIDDLE AGE/ \*PITUITARY GLAND, cytology/ PITUITARY GLAND, metabolism/ PITUITARY GLAND, ultrastructure/ PROLACTIN, biosynthesis/ SOMATOTROPIN, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
7. Sobis H, Vandeputte M: Viruslike particles in hamster embryos, fetuses, and tumors. *J Natl Cancer Inst* 61(3):891-5, Sep 78  
ANIMAL/ \*DYSGERMINOMA, microbiology/ \*EMBRYO, microbiology/ ENDOPLASMIC RETICULUM, microbiology/ FEMALE/ \*FETUS, microbiology/ GESTATIONAL AGE/ \*HAMSTERS, microbiology/ \*INCLUSION BODIES, VIRAL/ MALE/ MESOCRICEUS, microbiology/ MICROSCOPY, ELECTRON/ NEOPLASMS, EXPERIMENTAL, microbiology/ PREGNANCY/ SARCOMA, EXPERIMENTAL, microbiology
8. Socol ML, Manning FA, Murata Y, et al: Plasma cortisol in the chronic rhesus monkey preparation (Macaca mulatta). *Am J Obstet Gynecol* 132(4):421-4, 15 Oct 78  
ANIMAL/ CATHETERIZATION/ CIRCADIAN RHYTHM/ FEMALE/ FETUS, metabolism/ \*HYDROCORTISONE, blood/ MONKEYS/ PREGNANCY/ RESTRAINT, PHYSICAL/ RHESUS MONKEYS/ \*STRESS, blood/ SURGERY, OPERATIVE/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3799. Sofroniew MV, Weindl A: Projections from the parvocellular vasopressin- and neurophysin-containing neurons of the suprachiasmatic nucleus. *Am J Anat* 153(3):391-429, Nov 78  
ANIMAL/ FEMALE/ GUINEA PIGS/ HISTOCYTOCHEMISTRY/ \*HYPOTHALAMUS, cytology/ IMMUNOENZYME TECHNIQS/ MALE/ MICE/ NEURAL PATHWAYS, cytology/ \*NEURONS, analysis/ \*NEUROPHYSINS, analysis/ OXYTOCIN, analysis/ RATS/ SUPRAOPTIC NUCLEUS, analysis/ \*SUPRAOPTIC NUCLEUS, cytology/ THALAMUS, analysis/ THALAMUS, cytology/ \*VASOPRESSINS, analysis/ VASOPRESSINS, secretion
3800. Sohail MA, Cole DJ, Lewis D: Amino acid requirements of the breeding sow. 2. The dietary lysine requirement of the lactating sow. *Br J Nutr* 40(2):369-76, Sep 78  
AMINO ACIDS, blood/ ANIMAL/ DIET/ FEMALE/ \*LACTATION/ \*LYSINE, metabolism/ \*NUTRITION/ \*NUTRITIONAL REQUIREMENTS/ PREGNANCY/ \*SWINE, metabolism/ THREONINE, blood/ TRYPTOPHAN, blood/ UREA, blood
3801. Soji T: Cytological changes of the pituitary basophils in rats slowly infused with LRH and with LRH and THR in combination. *Endocrinol Jpn* 25(3):259-74, Jun 78  
ANIMAL/ COMPARATIVE STUDY/ HISTOCYTOCHEMISTRY/ \*LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ MICROSCOPY, ELECTRON/ \*PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, ultrastructure/ RATS/ \*THYROTROPIN RELEASING HORMONE, pharmacodynamics
3802. Soji T: Cytological changes of the pituitary basophils in rats slowly infused with thyrotropin-releasing hormone (TRH). *Endocrinol Jpn* 25(3):245-58, Jun 78  
ANIMAL/ HISTOCYTOCHEMISTRY/ MALE/ MICROSCOPY, ELECTRON/ \*PITUITARY GLAND, cytology/ PITUITARY GLAND, drug effects/ PITUITARY GLAND, ultrastructure/ RATS/ \*THYROTROPIN RELEASING HORMONE, pharmacodynamics
3803. Soji T: Changes of serum and pituitary TSH, LH and FSH concentrations following the slow infusion of TRH and LRH. *Endocrinol Jpn* 25(3):231-6, Jun 78  
ANIMAL/ FSH, blood/ \*FSH, metabolism/ LH, blood/ \*LH, metabolism/ \*LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ PITUITARY GLAND, drug effects/ \*PITUITARY GLAND, metabolism/ RATS/ \*THYROTROPIN RELEASING HORMONE, pharmacodynamics/ THYROTROPIN, blood/ \*THYROTROPIN, metabolism
3804. Sokolova RI, Speranskaia NV, Vikhert AM: Nekotorye patogeneticheskie faktory éksperimental'nykh 'indometatsinovyykh' gipertonii. *Biull Eksp Biol Med* 86(8):150-3, Aug 78 (Eng. Abstr.) (Rus)  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ANIMAL/ AORTA, analysis/ ARTERIES, pathology/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ \*HYPERTENSION, chemically induced/ HYPERTENSION, metabolism/ HYPERTENSION, pathology/ \*INDOMETHACIN/ KIDNEY, analysis/ \*KIDNEY, blood supply/ MALE/ NEPHRECTOMY/ RATS
3805. Sole MJ, Shum A, VanLoon GR: Alterations in brain serotonin during congestive heart failure in the cardiomyopathic Syrian hamster. *Cardiovasc Res* 12(6):573-5, Jun 78  
ANIMAL/ \*BRAIN, metabolism/ HAMSTERS/ HEART FAILURE, CONGESTIVE, metabolism/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ MESOCRICEUS/ \*MYOCARDIAL DISEASES, metabolism/ \*SEROTONIN, metabolism/ TISSUE DISTRIBUTION/ UNITED STATES GOV'T SUPPORTED, P.H.S.



## AUTHOR SECTION

3806. Solenov EI, Pal'chikova NA, Poliak MG, et al: O vliianii genotipa na angiotenzinobrazuiushchie sistemy plazmy i gipotalamusa. *Genetika* 14(2):267-72, Feb 78 (Eng. Abstr.) (Rus)  
 ANGIOTENSINS, biosynthesis/ ANGIOTENSINS, blood/ \*ANGIOTENSINS, genetics/ ANIMAL/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ \*GENES/ GENOTYPE/ \*HYPOTHALAMUS, metabolism/ MALE/ MICE/ MICE, INBRED BALB C/ MICE, INBRED C57BL/ SPECIES SPECIFICITY
3807. Soler-Argilaga C, Russell RL, Heimberg M: Possible relationship of the hepatic microsomal ATP-dependent calcium pump to sex differences in triacylglycerol synthesis. *Biochem Biophys Res Commun* 83(3):869-73, 14 Aug 78  
 \*ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ \*CALCIUM, metabolism/ DIGLYCERIDES, biosynthesis/ FEMALE/ \*GLYCEROPHOSPHATES, metabolism/ KINETICS/ MALE/ \*MICROSOMES, LIVER, metabolism/ PHOSPHOLIPIDS, biosynthesis/ RATS/ SEX FACTORS/ \*TRIGLYCERIDES, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3808. Solov'eva VE, Volkova TI: O kholinerghicheskoi aktivnosti krovi u detei s razlichnymi formami endemicheskogo zoba. *Pediatrica* (9):47-8, Sep 78 (Rus)  
 \*ACETYLCHOLINE, blood/ ADOLESCENCE/ CHILD/ \*CHOLINESTERASES, blood/ \*GOITER, ENDEMIC, blood/ HUMAN
3809. Soloway HB: Microcystic adenomas of the pancreas and constitutional abnormalities [letter] *Am J Clin Pathol* 70(3):445, Sep 78  
 \*CYSTADENOMA, complications/ \*ENDOCRINE DISEASES, complications/ HUMAN/ NEOPLASMS, MULTIPLE PRIMARY, complications/ \*PANCREATIC NEOPLASMS, complications
3810. Solti L, Greve T, Koefoed-Johnsen HH: Plasma progesterone assays in superovulated cattle. *Acta Vet Scand* 19(2):298-309, 1978  
 ANIMAL/ \*CATTLE, blood/ FEMALE/ GONADOTROPINS, EQUINE, pharmacodynamics/ MENSTRUATION, LUTEAL PHASE, drug effects/ \*OVULATION/ \*PROGESTERONE, blood/ PROSTAGLANDINS F, SYNTHETIC, pharmacodynamics/ \*SUPEROVULATION
3811. Soman V, Tamborlane W, DeFronzo R, et al: Insulin binding and insulin sensitivity in isolated growth hormone deficiency. *N Engl J Med* 299(19):1025-30, 9 Nov 78  
 ADULT/ BLOOD SUGAR, metabolism/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ IN VITRO/ \*INSULIN, blood/ INSULIN, pharmacodynamics/ MALE/ \*MONOCYTES, metabolism/ RECEPTORS, INSULIN, metabolism/ SOMATOTROPIN, blood/ \*SOMATOTROPIN, deficiency/ SOMATOTROPIN, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3812. Somers JD, Moran ET Jr, Reinhart BS: Reproductive success of hens and cockerels originating from eggs sprayed with 2,4-D, 2,4,5-T and picloram followed by early performance of their progeny after a comparable in ovo exposure. *Bull Environ Contam Toxicol* 20(1):111-9, Jul 78  
 ANIMAL/ \*BEHAVIOR, ANIMAL, drug effects/ BODY WEIGHT, drug effects/ CHICKENS/ \*EGGS/ FEMALE/ MALE/ \*PICLORAM, pharmacodynamics/ \*PICOLINIC ACIDS, pharmacodynamics/ \*REPRODUCTION, drug effects/ SPERMATOOZOA, drug effects/ TESTIS, drug effects/ TIME FACTORS/ \*2,4-DICHLOROPHENOXYACETIC ACID, pharmacodynamics/ \*2,4,5-TRICHLOROPHENOXYACETIC ACID, pharmacodynamics
3813. Somlyo AP, Somlyo AV, Shuman H, et al: Electron probe analysis of calcium compartments in cryo sections of smooth and striated muscles. *Ann NY Acad Sci* 307:523-44, 28 Apr 78 (65 ref.)  
 ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ \*CALCIUM, metabolism/ CATTLE/ CELL COMPARTMENTATION/ CHLORIDES, metabolism/ ELECTRON PROBE MICROANALYSIS/ FISHES/ FROGS/ MAGNESIUM, metabolism/ MITOCHONDRIA, MUSCLE, metabolism/ \*MUSCLE, SMOOTH, metabolism/ MUSCLE, SMOOTH, ultrastructure/ \*MUSCLES, metabolism/ MUSCLES, ultrastructure/ OSMOLAR CONCENTRATION/ PHOSPHATE/ POTASSIUM, metabolism/ RAE REVIEW/ \*SARCOPLASMIC RETICULUM, metabolism/ SODIUM, metabolism
3814. Sommer B: Stress and menstrual distress. *J Human* 4(3):5-10, 41-7, Sep 78 (86 ref.)  
 ADOLESCENCE/ ADULT/ AMENORRHEA/ psychology/ ANIMAL/ BABOONS/ EMOTION/ ENVIRONMENT/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ \*MENSTRUATION/ MENTAL PROCESSES/ MONKEYS/ PERSONALITY/ PREMENSTRUAL TENSION/ REVIEW/ SEX HORMONES, blood/ \*STRESS, PSYCHOLOGICAL
3815. Somoza E: Influence of neuroleptics on the binding of met-enkephalin, morphine and dihydromorphine to synaptosome-enriched fractions of rat brain. *Neuropharmacology* 17(8):577-81, Aug 78  
 ANIMAL/ \*BRAIN, metabolism/ BRAIN, ultrastructure/ \*DIHYDROMORPHINE, metabolism/ \*ENDORPHINS, metabolism/ \*ENKEPHALIN, metabolism/ FEMALE/ IN VITRO/ KINETICS/ MITOCHONDRIA, metabolism/ \*MORPHINE, derivatives, metabolism/ \*MORPHINE, metabolism/ RATS/ RECEPTORS, NARCOTIC effects/ RECEPTORS, NARCOTIC, metabolism/ SYNAPTOSOMES, metabolism/ \*TRANQUILIZERS, MAJOR, pharmacodynamics
3816. Somoza N, Morgenfeld MC, Magnasco J, et al: Estudio comparativo de dos combinaciones de drogas en lir. *Hodgkin. Sangre (Barc)* 23(4):418-25, 1978 (Eng.)  
 ADOLESCENCE/ ADULT/ \*ANTINEOPLASTIC AGENTS, administration & dosage/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG EVALUATION/ DRUG THERAPY COMBINATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*LYMPHOMA, drug use/ MALE/ MIDDLE AGE/ \*PREDNISONE, administration & dosage/ PREDNISONE, therapeutic use/ PROCARBAZINE, therapeutic use/ VINCRISTINE, therapeutic use
3817. Sone H, Kojima M: Relationships between conformation and specificity of antibody in radioimmunoassay of steroid hormone. III. Highly specific cortisol-antibody against 6 $\alpha$ - and 6 $\beta$ -hydroxycortisol 6-hemisuccinate-bovine serum albumin conjugates. *Chem Pharm Bull (Tokyo)* 26(9):2819-23, Sep 78  
 ANIMAL/ \*ANTIBODY SPECIFICITY/ CATTLE/ HYDROCORTISONE, analogs & derivatives/ \*HYDROCORTISONE, immunology/ PROTEIN CONFORMATION/ RADIOIMMUNOASSAY/ SERUM ALBUMIN, BOVINE, immunology/ SUCCINATES, immunology
3818. Sonnenberg A, Kliems G, Strohmeier G: Der Einfluss der Leberschädigung auf die Inaktivierung von Renin. *Aldosteron. Z Gastroenterol* 16(10):652-6, Oct 78 (Abstr.)  
 \*ALDOSTERONE, blood/ ECHINOCOCCUS/ HEPATIC, surgery/ ENGLISH ABSTRACT/ GLUCURONATES, urine/ HUMAN/ \*LIVER, surgery/ \*RENIN, blood
3819. Sonnenschein C, Soto AM: Pituitary uterotrophic effects of estrogen-dependent growth of the rat uterus. *J Steroid Biochem* 9(6):533-7, Jun 78  
 ANIMAL/ CASTRATION/ COMPARATIVE STUDY/ \*ESTRADIOL, pharmacodynamics/ FEMALE/ HYPOPHYSECTOMY/ ORGAN WEIGHT/ \*PITUITARY GLAND, physiology/ PITUITARY NEOPLASMS, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UTERUS, drug effects/ \*UTERUS, growth & development
3820. Sonstegard RA: Environmental carcinogenesis studies in the Great Lakes of North America. *Ann NY Acad Sci* 298:261-9, 29 Sep 78  
 ANIMAL/ C-TYPE VIRUSES, isolation & purification/ CANADA/ \*CARCINOGENS, ENVIRONMENTAL/ CARP/ DRUG SCREENING methods/ FEMALE/ \*FISH DISEASES, chemically induced/ FISHES/ FRESH WATER/ GOLDFISH/ LIP NEOPLASMS, microbiology/ LIP NEOPLASMS, veterinary/ MALE/ NEOPLASMS, chemically induced



## AUTHOR SECTION

- induced/ \*NEOPLASMS, veterinary/ PAPILLOMA, microbiology/ PAPILLOMA, veterinary/ SERTOLI CELL TUMOR, veterinary/ TESTICULAR NEOPLASMS, veterinary/ UNITED STATES/ \*WATER POLLUTANTS, poisoning/ \*WATER POLLUTANTS, CHEMICAL, poisoning
1. Soost HJ, Joswig-Prieue H: Einfluss oraler Ovulationshemmer auf die Kanzerogenese des Zervix-epithels. Arch Geschwulstforsch 48(4):345-55, 1978 (Eng. Abstr.) (Ger)  
ADOLESCENCE/ ADULT/ CARCINOMA IN SITU, chemically induced/ CERVIX DYSPLASIA, chemically induced/ CERVIX NEOPLASMS, chemically induced/ \*CERVIX UTERI, drug effects/ \*CONTRACEPTIVES, ORAL, adverse effects/ \*CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ SEX BEHAVIOR
2. Sörbo B, Ohman S: Determination of thiosulphate in urine. Scand J Clin Lab Invest 38(6):521-7, Oct 78  
COLORIMETRY/ FEMALE/ HUMAN/ ION EXCHANGE RESINS/ MALE/ PHOSPHATES, analysis/ SULFATES, analysis/ SULFUR, analysis/ THIOCYANATES, analysis/ THIOSULFATES, analysis/ \*THIOSULFATES, urine
3. Sordahl LA, Asimakis GK: Role of adenine nucleotides in calcium retention in heart mitochondria. Ann NY Acad Sci 307:238-41, 28 Apr 78  
\*ADENINE NUCLEOTIDES, metabolism/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ \*CALCIUM, metabolism/ IN VITRO/ \*MITOCHONDRIA, HEART, metabolism/ MITOCHONDRIAL SWELLING, drug effects/ OLIGOMYCIN, pharmacodynamics/ PHOSPHATES, pharmacodynamics/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4. Sørensen H, Røvsing H, Pedersen CB: Roentgenography of paranasal sinuses during treatment of nasal polyposis. Arch Otolaryngol 104(10):606-7, Oct 78  
ADULT/ AGED/ BECLMETHASONE, therapeutic use/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ NASAL CAVITY, radiography/ \*NASAL POLYPS, drug therapy/ NASAL POLYPS, radiography/ \*PARANASAL SINUSES, radiography
5. Sørensen K, Nielsen J, Jacobsen P, et al: The 48,XXYY syndrome. J Ment Defic Res 22(3):197-205, Sep 78  
ADOLESCENCE/ ADULT/ BODY HEIGHT/ CASE REPORT/ CHILD/ FINGERS, abnormalities/ GYNECOMASTIA, etiology/ HUMAN/ HYPOGONADISM, etiology/ KARYOTYPING/ MALE/ MENTAL RETARDATION, etiology/ MIDDLE AGE/ PATERNAL AGE/ \*SEX CHROMOSOME ABNORMALITIES/ SEX CHROMOSOME ABNORMALITIES, occurrence/ \*SEX CHROMOSOMES/ SOCIAL BEHAVIOR DISORDERS, etiology/ \*X CHROMOSOME/ \*Y CHROMOSOME
6. Sorimachi K, Robbins J: Uptake and metabolism of thyroid hormones by cultured monkey hepatocarcinoma cells. Effects of potassium cyanide and dinitrophenol. Biochim Biophys Acta 542(3):515-26, 6 Sep 78  
BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ CELL LINE/ \*CYANIDES, pharmacodynamics/ \*DINITROPHENOLS, pharmacodynamics/ \*HEPATOMA, EXPERIMENTAL, metabolism/ LIVER, metabolism/ \*THYROID HORMONES, metabolism/ THYROXINE, metabolism/ TRIIODOTHYRONINE, metabolism
7. Souron R, Baron D: Aspects actuels de l'anesthésie-réanimation de la chirurgie de l'hyperparathyroïdie. Anesth Analg (Paris) 35(2):307-20, Mar-Apr 78 (Fre)  
\*ANESTHESIA, INHALATION/ CRITICAL CARE/ DEHYDRATION, prevention & control/ HUMAN/ HYPERCALCEMIA, diagnosis/ HYPERCALCEMIA, prevention & control/ HYPERPARATHYROIDISM, etiology/ HYPERPARATHYROIDISM, physiopathology/ \*HYPERPARATHYROIDISM, surgery/ \*HYPERPARATHYROIDISM, SECONDARY, surgery/ POSTOPERATIVE CARE/ \*POSTOPERATIVE COMPLICATIONS, prevention & control
3828. Soza G, Garrido J, Pastor P: Meningitis tuberculosa en la infancia. Rev Chil Pediatr 48(2):76-82, Mar-Apr 77 (Spa)  
ANTIBIOTICS, ANTITUBERCULAR, administration & dosage/ ANTITUBERCULAR AGENTS, administration & dosage/ CHILD, PRESCHOOL/ FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ MALE/ PREDNISON, administration & dosage/ \*TUBERCULOSIS IN CHILDHOOD, diagnosis/ TUBERCULOSIS IN CHILDHOOD, drug therapy/ TUBERCULOSIS IN CHILDHOOD, radiography/ \*TUBERCULOSIS, MENINGEAL, diagnosis/ TUBERCULOSIS, MENINGEAL, drug therapy/ TUBERCULOSIS, MENINGEAL, radiography
3829. Spangberg L, Kaufman AY, Spangberg E, et al: Salvizol as an intracanal antiseptic for endodontic use. Oral Surg 46(3):427-32, Sep 78  
ANIMAL/ \*ANTI-INFECTIVE AGENTS, LOCAL/ COMPARATIVE STUDY/ DRUG SCREENING/ EDTA, pharmacodynamics/ IN VITRO/ IODINE, pharmacodynamics/ MALE/ MICROSCOPY, ELECTRON, SCANNING/ POTASSIUM IODIDE, pharmacodynamics/ \*QUINOLINIUM COMPOUNDS, pharmacodynamics/ RATS/ \*ROOT CANAL THERAPY/ SURFACE-ACTIVE AGENTS
3830. Spano PF, Govoni S, Trabucchi M: Studies on the pharmacological properties of dopamine receptors in various areas of the central nervous system. Adv Biochem Psychopharmacol 19:155-65, 1978 (44 ref.)  
ADENYL CYCLASE, metabolism/ ANIMAL/ \*BRAIN, drug effects/ BRAIN, metabolism/ DOPAMINE, pharmacodynamics/ ERGOT ALKALOIDS, pharmacodynamics/ IN VITRO/ \*RECEPTORS, DOPAMINE, drug effects/ REVIEW/ SULPIRIDE, pharmacodynamics
3831. Spanos E, Barrett DI, Chong KT, et al: Effect of oestrogen and 1,25-dihydroxycholecalciferol on 25-hydroxycholecalciferol metabolism in primary chick kidney-cell cultures. Biochem J 174(1):231-6, 15 Jul 78  
ANIMAL/ CELLS, CULTURED/ CHICKENS/ \*DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ \*ESTRADIOL, pharmacodynamics/ \*HYDROXYCHOLECALCIFEROLS, metabolism/ \*HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ KIDNEY, cytology/ KIDNEY, drug effects/ \*KIDNEY, metabolism/ MALE/ 25-HYDROXYCHOLECALCIFEROL-1-HYDROX metabolism
3832. Spataro RF, Katzberg RW, Burgener FA, et al: Epinephrine enhanced knee arthrography. Invest Radiol 13(4):286-90, Jul-Aug 78  
ANIMAL/ DOGS/ EPINEPHRINE, administration & dosage/ \*EPINEPHRINE, pharmacodynamics/ INJECTIONS, INTRA-ARTICULAR/ IODINE, analysis/ \*KNEE JOINT, radiography/ MEGLUMINE IOTHALAMATE, administration & dosage/ MEGLUMINE IOTHALAMATE, analysis/ \*RADIOGRAPHIC IMAGE ENHANCEMENT, methods/ SYNOVIAL FLUID, analysis/ SYNOVIAL FLUID, drug effects
3833. Spector M, Micbno MJ, Smarook WH, et al: A high-modulus polymer for porous orthopedic implants: biomechanical compatibility of porous implants. J Biomed Mater Res 12(5):665-77, Sep 78  
\*BIOCOMPATIBLE MATERIALS/ BIOMECHANICS/ \*BONE AND BONES/ \*POLYMERS/ \*PROSTHESIS/ SULFONES
3834. Spelsberg F, Heberer G: Krankheitsbild und Diagnostik des primären Hyperparathyreoidismus. Wien Med Wochenschr 128(16):513-6, 1978 (Ger)  
ADULT/ BONE DISEASES, etiology/ FEMALE/ GASTROINTESTINAL DISEASES, etiology/ HUMAN/ HYPERCALCEMIA, etiology/ HYPERPARATHYROIDISM, complications/ \*HYPERPARATHYROIDISM, diagnosis/ HYPERPARATHYROIDISM, physiopathology/ KIDNEY CALCULI, etiology/ MALE/ MIDDLE AGE/ PSYCHOSES, ORGANIC, etiology
3835. Spelsberg TC, Stake E, Witzke D: Fractionation of chromosomal nonhistone proteins using chromatins-cellulose resins: purification of steroid hormone acceptor proteins. Methods Cell Biol 17:303-24, 1978  
CHROMATOGRAPHY, AFFINITY, methods/



# AUTHOR SECTION

- \*CHROMOSOMAL PROTEINS, NON-HISTONE, isolation & purification/ DNA, diagnostic use/ HORMONES, metabolism/ STEROIDS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3836. Spencer CJ, Heaton JH, Gelehrter TD, et al: Insulin selectively slows the degradation rate of tyrosine aminotransferase. *J Biol Chem* 253(21):7677-82, 10 Nov 78  
CELL LINE/ DEXAMETHASONE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ HALF-LIFE/ HEPATOMA, EXPERIMENTAL/ \*INSULIN, pharmacodynamics/ KINETICS/ PRECIPITIN TESTS/ TYROSINE AMINOTRANSFERASE, biosynthesis/ \*TYROSINE AMINOTRANSFERASE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3837. Spencer RP: Attempts to reduce whole-body radiation. pp. 121-8.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
HUMAN/ HYPERTHYROIDISM, radiotherapy/ IODINE RADIOISOTOPES, therapeutic use/ MONOGRAPH/ RADIOOTHERAPY DOSAGE/ \*RADIOOTHERAPY, methods/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3838. Spielman WS, Osswald H: Characterization of the postocclusive response of renal blood flow in the cat. *Am J Physiol* 235(4):F286-90, Oct 78  
ADENOSINE, pharmacodynamics/ ANGIOTENSIN II, antagonists & inhibitors/ ANIMAL/ BLOOD FLOW VELOCITY/ CATS/ INDOMETHACIN, pharmacodynamics/ \*ISCHEMIA, physiopathology/ \*KIDNEY, blood supply/ \*KIDNEY, drug effects/ MECLOFENAMIC ACID, pharmacodynamics/ PHENOXYBENZAMINE, pharmacodynamics/ PHENTOLAMINE, pharmacodynamics/ PROSTAGLANDINS, physiology/ \*RENAL ARTERY OBSTRUCTION, physiopathology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VASOCONSTRICTION, drug effects
3839. Spirichev VB, Blazhevich NV, Bogoslovskii NA, et al: Sravnitel'noe izuchenie biologicheskoi aktivnosti i toksicheskogo deistviia lalpa-oksikholekal'tsiferola i ergokal'tsiferola na kryssakh. *Vopr Med Khim* 24(5):679-90, Sep-Oct 78 (Eng. Abstr.) (Rus)  
ANIMAL/ BONE AND BONES, analysis/ BONE AND BONES, drug effects/ CALCINOSIS, chemically induced/ CALCIUM, metabolism/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ \*ERGOCALCIFEROL, pharmacodynamics/ ERGOCALCIFEROL, toxicity/ ERGOCALCIFEROL, therapeutic use/ \*HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ HYDROXYCHOLECALCIFEROLS, toxicity/ HYDROXYCHOLECALCIFEROLS, therapeutic use/ IN VITRO/ INTESTINAL ABSORPTION, drug effects/ NEPHRECTOMY/ PHOSPHORUS, metabolism/ RATS/ VITAMIN D DEFICIENCY, drug therapy
3840. Spitznagle LA: Use of <sup>3</sup>H- and <sup>14</sup>C-labeled compounds in the therapy for specific metabolic pathways. pp. 275-81.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
ADRENAL GLANDS, metabolism/ CARBON RADIOISOTOPES, administration & dosage/ \*CARBON RADIOISOTOPES, therapeutic use/ HUMAN/ MODELS, BIOLOGICAL/ MONOGRAPH/ RADIATION DOSAGE/ TRITIUM, administration & dosage/ \*TRITIUM, therapeutic use
3841. Spona J: Über die Bestimmung der HCG-Harnausscheidung mit einem neuen und empfindlicheren Hämagglutinationstest. *Wien Klin Wochenschr* 90(18):666-70, 29 Sep 78 (Eng. Abstr.) (Ger)  
ENGLISH ABSTRACT/ FALSE NEGATIVE REACTIONS/ FEMALE/ \*GONADOTROPINS, CHORIONIC, urine/ \*HEMAGGLUTINATION TESTS, methods/ HUMAN/ \*PREGNANCY TESTS, methods/ PREGNANCY
3842. Spona J, Schneider WH, Wacheck W: Rascher Radioimmunoassay für die Bestimmung von Progesteronserumspiegeln. *Wien Klin Wochenschr* 90(18):654-8, 29 Sep 78 (Eng. Abstr.) (Ger)  
CLOMIPHENE, administration & dosage/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ OVUL. drug effects/ \*PROGESTERONE, blood/ \*RADIOIMMUNOASSAY, methods/ STER. FEMALE, blood
3843. Spranger J: Frühdiagnostik konstitutioneller Entwicklungsstörungen des Skeletts. *Z Orthop* 116(4):549-52, Aug 78  
\*BONE DISEASES, DEVELOPMENTAL, dwarfism, diagnosis/ GAIT/ GLYCOPROTEIN, metabolism/ HUMAN/ MINERALS, metabolism/ MUCOPOLYSACCHARIDES, metabolism
3844. Sprinkle TJ, Zaruba ME, McKhann GM: Radioactive measurement of 2',3'-cyclic nucleotide 3'-phosphodiesterase activity in the central and peripheral nervous system in extraneural tissue. *Anal Biochem* 88(2):449-56, 1978  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ \*BRAIN, enzymology/ COMPARATIVE STUDY/ ISOMERISM/ ISOTOPE LABELING/ \*PHOSPHODIESTERASES, analysis/ RATS/ \*SCIATIC NERVE, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*2',3'-CYCLIC NUCLEOTIDE PHOSPHODIESTERASE, analysis
3845. Spruill WA, Steiner AL, Earp HS: Tissue guanosine-3',5'-monophosphate levels and soluble guanylate cyclase: a positive correlation during unilateral cryptorchidism in the rat testis. *J Clin Invest* 62(3):568-76, Sep 78  
ANIMAL/ \*CRYPTORCHISM, metabolism/ CRYPTORCHISM, pathology/ \*GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ \*GUANYL CYCLASE, metabolism/ KINETICS/ MALE/ RATS/ SOLUBILITY/ \*TESTIS, metabolism/ TESTIS, pathology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3846. Srdic Z, Jacobs-Lorena M: Drosophila egg chambers to mature eggs when cultured in vivo. *Science* 202(4368):641-3, 10 Nov 78  
ANIMAL/ CELL DIFFERENTIATION/ DROSOPHILA MELANOGASTER, anatomy/ histology/ FEMALE/ MALE/ OOCYTES, cytoplasm/ \*OOGENESIS/ ORGAN CULTURE/ \*OVARY, physiology/ OVARY, transplantation/ TIME FACTORS/ TRANSPLANTATION, homologous/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3847. Srebnik HH, Fletcher WH, Campbell GA: Neuroendocrine aspects of reproduction in experimental malnutrition. pp. 306-12.  
In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E (27 ref.)  
ANIMAL/ BODY WEIGHT/ FEMALE/ \*FEMALE, metabolism/ \*LH, metabolism/ MALE/ MONOGRAPH/ \*NUTRITION DISORDER, physiology/ ORGAN WEIGHT/ OVARY, physiology/ PITUITARY GLAND, anatomy/ physiology/ \*PROLACTIN, metabolism/ PROSTATE, physiopathology/ PROTEIN-CALORIE MALNUTRITION, physiopathology/ RATS/ \*REPRODUCTION/ REVIEW/ SEX FACTORS/ TESTIS, physiopathology/ \*TESTOSTERONE, metabolism/ UNITED STATES GOV'T SUPPORTED/ UTERUS, physiopathology
3848. Sreekumaran T, Rajan A: Clinicopathological studies in experimental hypothyroidism in goats. *Vet Pathol* 15(4):549-55, Jul 78  
ANIMAL/ FEMALE/ \*GOATS/ HYPOTHYROIDISM, blood/ HYPOTHYROIDISM, chemically induced/ \*HYPOTHYROIDISM, veterinary/ MALE/ THIOUREA
3849. Srivastava SC, Gupta RR, Bhushan B: Systolic time index in thyroid disorders. *Indian Heart J* 30(4):224-9, Jul 78  
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ \*HYPERTHYROIDISM, physiopathology/ MIDDLE AGE/ \*MYOCARDIAL CONTRACTION/ \*MYXEDEMA, physiopathology/ \*SYSTOLE
3850. St Omer FB, Iozzo RV, Casetti P, et al: Focal nodular hyperplasia of the liver and contraceptive steroids. *Acta Hepatogastroenterol (Stuttg)* 25(4):319-21, Aug 78  
ADULT/ CASE REPORT/ \*CONTRACEPTION, oral, adverse effects/ \*CONTRACEPTIVES, oral, hormonal, adverse effects/ FEMALE/ HEPATECTOMY/ HUMAN/ \*LIVER DISEASE



## AUTHOR SECTION

- chemically induced/ LIVER REGENERATION/  
PREGNANCY/ \*PROGESTERONE, adverse effects
51. Stabel Neto O, del Pino G, Kopstein J: Angiites a drogas: uma advertência. AMB 24(5):150-1, May 78 (Eng. Abstr.)(Por)  
ADRENAL CORTEX HORMONES, therapeutic use/  
CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/  
\*DRUG ABUSE, complications/ \*DRUG  
HYPERSENSITIVITY, complications/ ENGLISH  
ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/  
PERIARTERITIS NODOSA, diagnosis/  
VASCULITIS, ALLERGIC CUTANEOUS, diagnosis/  
VASCULITIS, ALLERGIC CUTANEOUS, drug  
therapy/ \*VASCULITIS, ALLERGIC CUTANEOUS,  
etiology
  52. Stanisic T, Sadlowski R, Lee C, et al: Elevated rate of  
3H-uridine incorporation in regressing rat ventral prostate.  
Invest Urol 16(1):15-8, Jul 78  
ANIMAL/ ATROPHY, etiology/ \*CASTRATION/  
DNA, metabolism/ IN VITRO/ LEUCINE,  
metabolism/ MALE/ ORGAN WEIGHT/  
\*PROSTATE, metabolism/ PROSTATE, pathology/  
RATS/ RNA, metabolism/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ \*URIDINE, metabolism
  53. Stanisic T, Sadlowski R, Lee C, et al: Partial inhibition of  
castration induced ventral prostate regression with  
actinomycin D and cycloheximide. Invest Urol 16(1):19-22,  
Jul 78  
ADRENAL CORTEX HORMONES, blood/  
ANIMAL/ ATROPHY, etiology/ \*CASTRATION/  
\*CYCLOHEXIMIDE, pharmacodynamics/  
\*DACTINOMYCIN, pharmacodynamics/ MALE/  
ORGAN WEIGHT, drug effects/ \*PROSTATE,  
pathology/ RATS/ TESTOSTERONE, blood/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
  54. Stanisic TH, Kolbusz W, Carter M: Unusual presentation of  
genital tuberculosis. Urology 12(3):351-3, Sep 78  
ADULT/ CASE REPORT/ DIAGNOSIS,  
DIFFERENTIAL/ HUMAN/ MALE/ MIDDLE  
AGE/ PERINEUM/ \*TESTICULAR DISEASES,  
diagnosis/ TESTICULAR NEOPLASMS, diagnosis/  
\*TUBERCULOSIS, MALE GENITAL, diagnosis
  55. Stankler L, Bewsher PD: Adverse reaction to a topical steroid  
transferred by physical contact. Br Med J 2(6134):399-400,  
5 Aug 78  
ADULT/ \*BETAMETHASONE 17-VALERATE,  
adverse effects/ BETAMETHASONE  
17-VALERATE, therapeutic use/  
\*BETAMETHASONE, analogs & derivatives/ CASE  
REPORT/ \*COITUS/ HUMAN/ MALE/ MIDDLE  
AGE/ \*MONILIASIS, VULVOVAGINAL,  
chemically induced/ PENILE DISEASES, drug therapy
  56. Stanley P, Gyepes MT, Olson DL, et al: Renovascular  
hypertension in children and adolescents. Radiology  
129(1):123-31, Oct 78  
ADOLESCENCE/ ADULT/ AGE FACTORS/  
CHILD/ CHILD, PRESCHOOL/ FEMALE/  
HUMAN/ \*HYPERTENSION, RENAL, diagnosis/  
\*HYPERTENSION, RENOVASCULAR, diagnosis/  
HYPERTENSION, RENOVASCULAR, radiography/  
HYPERTENSION, RENOVASCULAR, radionuclide  
imaging/ INFANT/ IODOHIPURIC ACID,  
diagnostic use/ MALE/ \*RENAL ARTERY  
OBSTRUCTION, diagnosis/ \*RENAL ARTERY  
STENOSIS, diagnosis/ RENAL ARTERY STENOSIS,  
radiography/ RENAL ARTERY STENOSIS,  
radionuclide imaging/ RENIN, blood/ UROGRAPHY
  57. Stańska M, Kaczmarek M: Dystrofia kostna  
Albers-Schönberga. Pediatr Pol 53(7):885-8, Jul 78 (Pol)  
ANEMIA, HEMOLYTIC, diagnosis/ CASE REPORT/  
DIAGNOSIS, DIFFERENTIAL/ HUMAN/  
INFANT/ LEUKEMIA, MYELOCYTIC, diagnosis/  
MALE/ \*OSTEOPETROSIS, diagnosis
  58. Stanway P, Stanway W: Successful breast feeding.  
Midwife Health Visit Community Nurse 14(9):304-5, Sep 78  
\*BREAST FEEDING/ FEMALE/ HUMAN/  
INFANT/ INFANT, NEWBORN/  
MOTHER-CHILD RELATIONS/ PREGNANCY/  
PROLACTIN, physiology
  59. Stark M: [Pancreatic carcinoma producing chorionic  
gonadotropin] Harefuah 94(11):383-4, 1 Jun 78 (Eng. Abstr.)  
(Heb)  
ADULT/ \*CARCINOMA, secretion/ CASE  
REPORT/ ENGLISH ABSTRACT/ FEMALE/  
\*GONADOTROPINS, CHORIONIC, secretion/  
HUMAN/ \*PANCREATIC NEOPLASMS, secretion
  3860. Starkova NT, Ktova GA, Aleksandrova GF, et al: Klinicheskoe  
primenienie sinteticheskogo tiroliberina  
(tireotropin-rilizing-faktora). Probl Endokrinol (Mosk)  
24(5):103-10, Sep-Oct 78 (Rus)  
BIOPHARMACEUTICS/ BRAIN DISEASES, drug  
therapy/ DWARFISM, drug therapy/  
EXOPHTHALMOS, drug therapy/ FEMALE/  
GOITER, drug therapy/ HUMAN/  
HYPERTHYROIDISM, drug therapy/  
HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug  
effects/ HYPOTHALAMUS, drug effects/  
HYPOTHYROIDISM, drug therapy/ MALE/  
PROLACTIN, secretion/ THYROID GLAND, drug  
effects/ THYROTROPIN RELEASING HORMONE,  
diagnostic use/ THYROTROPIN RELEASING  
HORMONE, pharmacodynamics/ THYROTROPIN  
RELEASING HORMONE, secretion/  
\*THYROTROPIN RELEASING HORMONE,  
therapeutic use/ THYROTROPIN, antagonists &  
inhibitors/ THYROXINE, physiology/ TIME  
FACTORS/ TRIIODOTHYRONINE, physiology
  3861. Starup J, Philip J, Sele V: Oestrogen treatment and subsequent  
pregnancy in two patients with severe hypergonadotrophic  
ovarian failure. Acta Endocrinol (Copenh) 89(1):149-57, Sep  
78  
ADULT/ CASE REPORT/ ESTRADIOL, urine/  
\*ESTROGENS, therapeutic use/ FEMALE/ HUMAN/  
\*MENOPAUSE, drug effects/ \*MENOPAUSE,  
PREMATURE, drug effects/ OVARY, pathology/  
PLACENTAL LACTOGEN, blood/ PREGNANCY  
COMPLICATIONS, metabolism/ \*PREGNANCY/  
PROGESTERONE, blood/ \*TURNER'S  
SYNDROME, drug therapy
  3862. Stasiewicz J: Wplyw czynników nerwowo-hormonalnych na  
motorykę pęcherzyka żółciowego ze szczególnym  
uwzględnieniem roli układu adrenergicznego.  
Pol Tyg Lek 33(33):1315-7, 14 Aug 78 (Pol)  
ANIMAL/ DOGS/ \*GALLBLADDER, drug effects/  
GALLBLADDER, innervation/ GUINEA PIGS/  
\*HORMONES, pharmacodynamics/ MUSCLE  
CONTRACTION, drug effects/ \*SYMPATHETIC  
NERVOUS SYSTEM, physiology
  3863. Staszewska-Barczak J: Role of renal prostaglandins in  
circulatory homeostasis. Contrib Nephrol 11:179-88, 1978  
ADRENAL CORTEX, metabolism/  
ALDOSTERONE, metabolism/ ANGIOTENSIN I,  
metabolism/ ANGIOTENSIN II, metabolism/  
ANIMAL/ CATECHOLAMINES,  
pharmacodynamics/ DOGS/ \*HEMODYNAMICS/  
\*HOMEOSTASIS/ HUMAN/ KALLIKREIN,  
metabolism/ KIDNEY, blood supply/ KIDNEY,  
metabolism/ KININS, metabolism/  
PROSTAGLANDINS E, biosynthesis/  
\*PROSTAGLANDINS E, physiology/  
PROSTAGLANDINS F, biosynthesis/  
\*PROSTAGLANDINS F, physiology/ RABBITS/  
REGIONAL BLOOD FLOW/ RENIN, metabolism/  
SODIUM CHLORIDE, urine
  3864. Staudenmayer H, Kinsman RA, Jones NF: Attitudes toward  
respiratory illness and hospitalization in asthma. Relationships  
with personality, symptomatology, and treatment response.  
J Nerv Ment Dis 166(9):624-34, Sep 78  
ADAPTATION, PSYCHOLOGICAL/ ADRENAL  
CORTEX HORMONES, therapeutic use/ ADULT/  
ASTHMA, complications/ ASTHMA, psychology/  
\*ASTHMA, therapy/ \*ATTITUDE TO HEALTH/  
CHRONIC DISEASE/ FEMALE/  
\*HOSPITALIZATION/ HUMAN/ LENGTH OF  
STAY/ MALE/ MMPI/ PATIENT READMISSION/  
PERSONALITY/ PROGNOSIS/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
  3865. Staughton RC: Dermatology: cutaneous manifestations of  
malignancy. Br J Hosp Med 20(1):38-47, Jul 78  
ABDOMINAL NEOPLASMS, complications/  
ACANTHOSIS NIGRICANS, etiology/  
ADENOCARCINOMA, complications/  
ADOLESCENCE/ ADULT/ DERMATOMYOSITIS,  
complications/ DIAGNOSIS, DIFFERENTIAL/  
FEMALE/ HORMONES, ECTOPIC, blood/  
HUMAN/ LEUKEMIA, complications/ LUNG  
NEOPLASMS, complications/ LYMPHOMA,

# AUTHOR SECTION

- complications/ MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ \*NEOPLASMS, complications/ PAGET'S DISEASE OF BREAST, complications/ \*SKIN MANIFESTATIONS/ SKIN NEOPLASMS, etiology
3866. Stavrátjev M, Stavrátjevoá A, Sláma J: Příspěvek k diagnostice feochromocytomu v dětském věku. *Cesk Pediatr* 33(5):289-92, May 78 (Eng. Abstr.) (Cze)  
ADOLESCENCE/ \*ADRENAL GLAND NEOPLASMS, diagnosis/ AGE FACTORS/ CASE REPORT/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ \*PHEOCHROMOCYTOMA, diagnosis/ THERMOGRAPHY
3867. Stavric S, Speirs JI, Konowalchuk J, et al: Stimulation of cyclic AMP secretion in Vero cells by enterotoxins of *Escherichia coli* and *Vibrio cholerae*. *Infect Immun* 21(2):514-7, Aug 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, secretion/ CELL LINE/ CHOLERA TOXIN, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, IMMUNOLOGIC/ \*ENTEROTOXINS, pharmacodynamics/ \*ESCHERICHIA COLI/ HEAT/ TIME FACTORS/ \*VIBRIO CHOLERAEE/ 1-METHYL-3-ISOBUTYLXANTHINE, pharmacodynamics
3868. Stead D, Oldham JD: The effects of low- and high-protein diets upon the concentrations of plasma low density lipoproteins, in Friesian heifers throughout lactation. *Proc Nutr Soc* 37(2):45A, Sep 78  
ANIMAL/ CATTLE/ \*DIETARY PROTEINS, administration & dosage/ FEMALE/ \*LACTATION/ \*LIPOPROTEINS, LDL, blood/ PREGNANCY
3869. Steenerson RL, Barton RT: Mediastinal goiter and superior vena cava syndrome. *Laryngoscope* 88(10):1688-90, Oct 78  
CASE REPORT/ \*GOITER, SUBSTERNAL, complications/ HUMAN/ MALE/ \*MEDIASTINAL DISEASES, complications/ MIDDLE AGE/ PRESSURE/ SYNDROME/ TRACHEAL DISEASES, etiology/ \*VENA CAVA, SUPERIOR
3870. Steffens WL: A method for the removal of epoxy resins from tissue in preparation for scanning electron microscopy. *J Microsc* 113(1):95-9, May 78  
ANIMAL/ BONE AND BONES, ultrastructure/ BONE CYST, pathology/ \*EPOXY RESINS, isolation & purification/ ERYTHROCYTES, ultrastructure/ \*HISTOLOGICAL TECHNIQS/ HUMAN/ \*MICROSCOPY, ELECTRON, SCANNING/ OOMYCETES, ultrastructure/ \*OVUM, ultrastructure/ SEA URCHINS
3871. Steigleder GK: Pubertätsakne. *Dtsch Med Wochenschr* 103(41):1592, 13 Oct 78 (Ger)  
\*ACNE, drug therapy/ ADOLESCENCE/ ESTROGENS, administration & dosage/ ESTROGENS, therapeutic use/ FEMALE/ HUMAN/ MALE/ PUBERTY
3872. Stein AM, Anthone R, Anthone S, et al: Chronic myelocytic leukemia in a young renal allografted patient. *Transplantation* 26(4):271-3, Oct 78  
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ AZATHIOPRINE, therapeutic use/ CASE REPORT/ CYTOGENETICS/ HUMAN/ \*KIDNEY, transplantation/ \*LEUKEMIA, MYELOCYTIC, immunology/ MALE/ TRANSPLANTATION, ALLOGENEIC
3873. Stein S, Rubinstein M, Udenfriend S: Ultramicro analysis of peptides. *Psychopharmacol Bull* 14(4):29-30, Oct 78  
ANIMAL/ CHROMATOGRAPHY, HIGH SPEED LIQUID/ ENDORPHINS, analysis/ \*PEPTIDES, analysis/ RATS
3874. Steinberg ML, Whittaker JR: Theophylline incorporation into the nucleic acids of theophylline-stimulated melanoma cells. *J Invest Dermatol* 71(4):250-6, Oct 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DNA, NEOPLASM, metabolism/ HAMSTERS/ MELANINS, biosynthesis/ \*MELANOMA, metabolism/ NEOPLASMS, EXPERIMENTAL, metabolism/ RNA, NEOPLASM, metabolism/ \*THEOPHYLLINE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3875. Steiner H, Zimmermann G: Die Epidemiologie der end Struma unter Jodsalzprophylaxe. *Wien Med Woch* 128(15):476-9, 15 Aug 78  
ADOLESCENCE/ ADULT/ AGED/ AUS CHILD/ FEMALE/ GOITER, ENDEMIC, occurrence/ \*GOITER, ENDEMIC, prevention control/ HUMAN/ HYPERTHYROIDISM, induced/ HYPERTHYROIDISM, prevention control/ IODATES, adverse effects/ \*IODA therapeutic use/ \*IODINE, therapeutic use/ MIDDLE AGE/ RISK
3876. Steiner RA, Schiller HS, Barber J, et al: Luteinizing regulation in the monkey (*Macaca nemestrina*): testosterone and dihydrotestosterone to block the estrogen-induced gonadotropin surge. *Biol Reprod* 19(1):51-6, Aug 78  
ANIMAL/ CASTRATION/ \*ESTRADIOL ANTAGONISTS/ ESTRADIOL, pharmacod FEMALE/ \*LH, blood/ \*MACACA, physi MALE/ MONKEYS/ \*STANOLONE, pharmacodynamics/ TESTOSTERONE, blood \*TESTOSTERONE, pharmacodynamics/ TIM FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3877. Stelmiasik T, Hanzlik J, Mieczkowska J: Niedoczyny tarczycy i moczówka prosta w przebiegu sarkoidoz. *Pol Tyg Lek* 33(24):967-8, 12 Jun 78  
ADULT/ CASE REPORT/ \*DIABETES INSIPIDUS, etiology/ HUMAN/ \*HYPOTHYROIDISM, etiology/ LUNG DIS complications/ MALE/ \*SARCOIDOSIS, complications
3878. Stemberger AW, Hörmann H: Determination of soluble monomer complexes by adsorption on immobilized fibrinogen. *Thromb Haemost* 39(3):574-81, 30 Jun 78  
ADSORPTION/ ALCOHOL, ETHYL/ BLO COAGULATION TESTS/ CEREBROVASC DISORDERS, blood/ CHROMATOGRAPHY AFFINITY/ CHROMATOGRAPHY, AGAR \*FIBRIN/ \*FIBRINOGEN/ HUMAN/ OVA NEOPLASMS, blood/ SOLUBILITY/ THRO pharmacodynamics
3879. Stenbäck F, Rowland J: Carcinogenic activation of benzo(a)pyrene by iodine and ferric chloride in the respiratory tract of Syrian golden hamsters. *Exper* 34(8):1065-6, 15 Aug 78  
ANIMAL/ \*BENZOPYRENES, pharmacody DRUG SYNERGISM/ \*FERRIC COMPOU pharmacodynamics/ HAMSTERS/ \*IODINE, pharmacodynamics/ \*IRON, pharmacodynami MESOCRICETUS/ \*RESPIRATORY TRAC NEOPLASMS, chemically induced/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3880. Stenberg A, Skett P, Gustafsson JA: The metabolism of 4-androstene-3,17-dione by isolated rat hepatocytes. Maintenance of the sex differences in culture. *Biochim Biophys Acta* 530(3):412-9, 28 Sep 78  
\*ANDROSTENEDIONE, metabolism/ ANIM CELLS, CULTURED/ FEMALE/ LIVER, cy LIVER, enzymology/ \*LIVER, metabolism/ RATS/ SEX FACTORS/ STEROID HYDROXYLASES, metabolism/ TESTOSTE 5-ALPHA-REDUCTASE, metabolism
3881. Stepankovskaia GK, Dem'ianenko SS, Khodak AA: V serotoninu na skorotlyvu diial'nist' matky i stan pl danymy biokhimichnykh doslidzhen' i radiotelemet slabosti rodovoi diial'nosti. *Pediatr Akush Ginekol* Jul-Aug 78  
FEMALE/ HUMAN/ PREGNANCY/ \*SEROTONIN, therapeutic use/ \*UTERINE INERTIA, drug therapy
3882. Stephan FK, Kovacevic NS: Multiple retention deficit in avoidance in rats is eliminated by suprachiasmatic. *Behav Biol* 22(4):456-62, Apr 78  
ANIMAL/ \*AVOIDANCE LEARNING, phys CIRCADIAN RHYTHM/ HYPOTHALAMO-HYPOPHYSAL SYSTEM physiopathology/ MALE/ MEMORY DISOR physiopathology/ \*MEMORY, physiology/ \*O CHIASM, physiology/ RATS/ REACTION T physiology/ \*RETENTION (PSYCHOLOGY), physiology/ TIME FACTORS/ UNITED ST GOV'T SUPPORTED, P.H.S.



## AUTHOR SECTION

3883. Stępień H, Wolaniuk A, Pawlikowski M: Effects of pimoizide and bromocriptine on anterior pituitary cell proliferation. *J Neural Transm* 42(3):239-44, 1978  
ANIMAL/ ESTRADIOL, pharmacodynamics/ MALE/ MITOSIS, drug effects/ \*PIMOIZIDE, pharmacodynamics/ \*PITUITARY GLAND, ANTERIOR, drug effects/ RATS/ \*RECEPTORS, DOPAMINE, drug effects/ \*2-BROMOERGOCRYPTINE, pharmacodynamics
3884. Stern JM, Siegel HI: Prolactin release in lactating, primiparous and multiparous thelectomized and maternal virgin rats exposed to pup stimuli. *Biol Reprod* 19(1):177-82, Aug 78  
ANIMAL/ \*ANIMALS, physiology/ \*ANIMALS, SUCKLING, physiology/ \*BREAST, physiology/ ESTRUS/ FEMALE/ \*LACTATION/ \*NIPPLES, physiology/ \*PARITY/ PREGNANCY/ \*PROLACTIN, blood/ RATS/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3885. Stern PL, Willison KR, Lennox E, et al: Monoclonal antibodies as probes for differentiation and tumor-associated antigens: a Forssman specificity on teratocarcinoma stem cells. *Cell* 14(4):775-83, Aug 78  
ANTIBODIES/ \*ANTIGENS, analysis/ \*ANTIGENS, NEOPLASM, analysis/ BRAIN, immunology/ \*CELL DIFFERENTIATION/ CELL LINE/ \*FORSSMAN ANTIGEN, analysis/ GLYCOLIPIDS, immunology/ KIDNEY, immunology/ LIVER, immunology/ LYMPHOCYTES, immunology/ \*TERATOID TUMOR, immunology/ TESTIS, immunology
3886. Sternberger LA: Receptors for luteinizing hormone-releasing hormone. *J Histochem Cytochem* 26(7):542-4, Jul 78  
ADRENAL GLANDS/ ANIMAL/ ANTIBODY SPECIFICITY/ CENTRIFUGATION, DENSITY GRADIENT/ CROSS REACTIONS/ CYTOPLASMIC GRANULES/ IMMUNE SERUMS, pharmacodynamics/ IMMUNOENZYME TECHNIQUES/ \*LH-FSH RELEASING HORMONE/ PEPTIDES/ PITUITARY GLAND, metabolism/ RATS/ \*RECEPTORS, HORMONE
3887. Stetson MH, Watson-Whitmyre M, Matt KS: Cyclic gonadotropin release in the presence and absence of estrogenic feedback in ovariectomized golden hamsters. *Biol Reprod* 19(1):40-50, Aug 78  
ANIMAL/ BIOLOGICAL CLOCKS/ CASTRATION/ \*CIRCADIAN RHYTHM/ CIRCADIAN RHYTHM, drug effects/ \*ESTRADIOL, pharmacodynamics/ \*ESTRUS/ ESTRUS, drug effects/ FEMALE/ \*FSH, secretion/ HAMSTERS/ \*LH, secretion/ MESOCRINETUS/ \*PITUITARY GLAND, ANTERIOR, metabolism
3888. Steuer W: Früherkennung angeborener Schilddrüsenkrankungen gefordert. *Oeff Gesundheitswes* 40(9):635, Sep 78 (Ger)  
HUMAN/ \*THYROID DISEASES, diagnosis/ TIME FACTORS
3889. Steven DH, Bass F, Jansen CJ, et al: Ultrastructural changes in the placenta of the ewe after fetal pituitary stalk section. *Q J Exp Physiol* 63(3):221-9, Jul 78  
CORTICOTROPIN, blood/ FEMALE/ FETAL BLOOD/ GESTATIONAL AGE/ HUMAN/ HYDROCORTISONE, blood/ \*PITUITARY GLAND, POSTERIOR, physiology/ PITUITARY GLAND, POSTERIOR, surgery/ \*PLACENTA, ultrastructure/ PREGNANCY/ PROGESTERONE, blood/ SHEEP
3890. Stewart AD, Batty J, Harkiss GD: Genetic variation in plasma thyroxine levels and minimal metabolic rates of the mouse, *Mus musculus*. *Genet Res* 31(3):303-6, Jun 78  
ANIMAL/ MICE/ \*MICE, INBRED STRAINS, genetics/ \*THYROXINE, blood/ THYROXINE, metabolism/ \*VARIATION (GENETICS)
3891. Stiglmayer R: Carcinoembryonales Antigen in der gynäkologischen Onkologie. *Fortschr Med* 96(37):1843-5, 5 Oct 78 (Eng. Abstr.) (Ger)  
\*BREAST NEOPLASMS, immunology/ \*CARCINOEMBRYONIC ANTIGEN, analysis/ CERVIX NEOPLASMS, immunology/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ \*GENITAL NEOPLASMS, FEMALE, immunology/ HUMAN/ OVARIAN NEOPLASMS, immunology/ UTERINE NEOPLASMS, immunology
3892. Stock MJ, Chapman C, Stirling JL, et al: Effects of exercise, altitude, and food on blood hormone and metabolite levels. *J Appl Physiol* 45(3):350-4, Sep 78  
ACCLIMATIZATION/ ADULT/ \*ALTITUDE/ \*BLOOD SUGAR/ \*EXERTION/ FATTY ACIDS, NONESTERIFIED, blood/ FEMALE/ \*FOOD/ \*HORMONES, blood/ HUMAN/ INSULIN, blood/ MALE/ THYROTROPIN, blood/ THYROXINE, blood
3893. Stoelting GB: Groei en ontwikkeling. De te kleine adolescent. *Ned Tijdschr Geneesk* 122(40):1490-4, 7 Oct 78 (Dut)  
ADOLESCENCE/ AGE DETERMINATION BY SKELETON/ \*BODY HEIGHT/ BODY IMAGE/ CHILD/ FEMALE/ \*GROWTH DISORDERS/ GROWTH DISORDERS, diagnosis/ HUMAN/ MALE/ PUBERTY
3894. Stoffer SS, Hamburger JJ: Avoiding inadvertent fetal radiation resulting from I31I therapy for hyperthyroidism. pp. 129-38.  
In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ FEMALE/ FETAL DISEASES, prevention & control/ \*FETUS, radiation effects/ HUMAN/ \*HYPERTHYROIDISM, radiotherapy/ HYPOTHYROIDISM, congenital/ HYPOTHYROIDISM, etiology/ INFANT/ INFANT, NEWBORN/ IODINE RADIOISOTOPES, adverse effects/ \*IODINE RADIOISOTOPES, therapeutic use/ MENTAL RETARDATION, etiology/ MONOGRAPH/ \*PREGNANCY COMPLICATIONS, radiotherapy/ PREGNANCY TESTS/ PREGNANCY
3895. Stögmann W, Borkenstein M, Gleispach H: Klinik und Diagnose des hypophysären Minderwuchses. *Wien Med Wochenschr* 128(14):423-7, 15 Jul 78 (Ger)  
ADOLESCENCE/ ANTHROPOMETRY/ CHILD/ \*DWARFISM, PITUITARY, diagnosis/ FEMALE/ HUMAN/ HYPOPITUITARISM, complications/ MALE/ MEDICAL HISTORY TAKING/ METHODS/ SOMATOTROPIN, analysis
3896. Stokes GS, Oates HF, Weber MA: Angiotensin blockade in studies of the feedback control of renin release in rats and rabbits. *Clin Sci Mol Med* 48 Suppl 2:33s-36s, Jun 75  
\*ANGIOTENSIN II, analogs & derivatives/ \*ANGIOTENSIN II, immunology/ ANIMAL/ \*ANTIBODIES/ BLOOD PRESSURE, drug effects/ FEEDBACK/ KIDNEY, blood supply/ MALE/ RABBITS/ RATS/ REGIONAL BLOOD FLOW/ \*RENIN, secretion/ \*SARALASIN, pharmacodynamics
3897. Stolarsky L, Kemper B: Characterization and partial purification of parathyroid hormone messenger RNA. *J Biol Chem* 253(20):7194-201, 25 Oct 78  
ANIMAL/ CATTLE/ ESCHERICHIA COLI, metabolism/ KINETICS/ MOLECULAR WEIGHT/ PARATHYROID GLANDS, metabolism/ \*PARATHYROID HORMONE, biosynthesis/ PRECIPITIN TESTS/ RNA, BACTERIAL, metabolism/ \*RNA, MESSENGER, isolation & purification/ RNA, MESSENGER, metabolism/ TRANSLATION, GENETIC
3898. Stolinsky DC: Emergencies in oncology. Current management. *West J Med* 129(3):169-76, Sep 78 (77 ref.)  
AIRWAY OBSTRUCTION, therapy/ BRAIN NEOPLASMS, therapy/ CARDIAC TAMPONADE, therapy/ EMBOLISM, therapy/ \*EMERGENCIES/ HUMAN/ HYPERCALCEMIA, therapy/ MENINGEAL NEOPLASMS, therapy/ NEOPLASM METASTASIS/ \*NEOPLASMS, complications/ REVIEW/ SPINAL CORD COMPRESSION, therapy/ URIC ACID, blood/ VENA CAVA, SUPERIOR/ WATER-ELECTROLYTE IMBALANCE, therapy
3899. Stone MH, Rush ME, Lipner H: Responses to intensive training and methandrostenolone administration: II. Hormonal, organ weights, muscle weights and body composition. *Pfluegers Arch* 375(2):147-51, 18 Jul 78  
ANALYSIS OF VARIANCE/ ANIMAL/ BODY COMPOSITION, drug effects/ BODY WEIGHT, drug effects/ \*EXERTION/ FSH, metabolism/ HEART, drug effects/ LH, metabolism/ MALE/ \*METHANDROSTENOLONE, pharmacodynamics/ MUSCLES, drug effects/ ORGAN WEIGHT, drug effects/ \*PHYSICAL CONDITIONING, ANIMAL/ RATS



# AUTHOR SECTION

3900. Stone TW, Taylor DA: Interactions between guanine derivatives and norepinephrine on neurones of the mammalian cerebral cortex. *Brain Res* 155(1):187-91, 20 Oct 78  
ACTION POTENTIALS, drug effects/ ANIMAL/  
\*CEREBRAL CORTEX, drug effects/ \*GUANINE  
NUCLEOTIDES, pharmacodynamics/ \*GUANOSINE  
MONOPHOSPHATE, pharmacodynamics/  
\*GUANOSINE TRIPHOSPHATE,  
pharmacodynamics/ GABA, pharmacodynamics/  
MALE/ NEURONS, drug effects/  
\*NOREPINEPHRINE, pharmacodynamics/  
PARIETAL LOBE, drug effects/ PYRAMIDAL  
TRACTS, drug effects/ RATS/ SEROTONIN,  
pharmacodynamics
3901. Stone WL, Wishnia A: Binding of iodo-mercurates to  
sulfhydryl-blocked beta-lactoglobulin-A, -B, and -C.  
*Bioinorg Chem* 8(6):517-29, Jun 78  
BINDING SITES/ CHEMISTRY/ \*IODINE,  
metabolism/ LACTOGLOBULINS, isolation &  
purification/ \*LACTOGLOBULINS, metabolism/  
\*MERCURY, metabolism/ MILK, analysis/ PROTEIN  
BINDING/ STRUCTURE-ACTIVITY  
RELATIONSHIP/ SULFHYDRYL COMPOUNDS/  
THERMODYNAMICS/ UNITED STATES GOV'T  
SUPPORTED
3902. Straehl B: Behandlung verschiedener Dermatosen mit  
Diflucortolonvalerat 0,1% (Nerisona). *Praxis* 67(35):1277-84,  
29 Aug 78 (Ger)  
\*DERMATITIS, drug therapy/ DRUG  
EVALUATION/ ECZEMA, drug therapy/  
FLUCORTOLONE, analogs & derivatives/  
\*FLUCORTOLONE, therapeutic use/ HUMAN/  
NEURODERMATITIS, drug therapy/  
\*PREGNADIENEDIOLS, therapeutic use/  
PSORIASIS, drug therapy
3903. Straehl B: Prüfung einer neuen Wirkstoffkombination  
(Locoid-c) für die lokale Behandlung entzündlicher  
Dermatosen in einer dermatologischen Praxis. *Praxis*  
67(40):1478-80, 3 Oct 78 (Eng. Abstr.) (Ger)  
\*CHLORQUINALDOL, therapeutic use/  
\*DERMATITIS, drug therapy/ DRUG  
COMBINATIONS/ DRUG EVALUATION/  
ENGLISH ABSTRACT/ HUMAN/  
\*HYDROCORTISONE, therapeutic use/  
OINTMENTS
3904. Stramentinoli G, Gualano M, Ideo G: Protective role of  
S-adenosyl-L-methionine on liver injury induced by  
D-galactosamine in rats. *Biochem Pharmacol* 27(10):1431-3,  
15 May 78  
ALANINE AMINOTRANSFERASE, blood/  
ANIMAL/ ASPARTATE AMINOTRANSFERASE,  
blood/ \*GALACTOSAMINE, antagonists & inhibitors/  
\*HEPATITIS, TOXIC, prevention & control/ LIVER,  
drug effects/ LIVER, metabolism/ MALE/  
METHIONINE ADENOSYLTRANSFERASE,  
metabolism/ PREDNISOLONE, pharmacodynamics/  
RATS/ S-ADENOSYLMETHIONINE, metabolism/  
\*S-ADENOSYLMETHIONINE, pharmacodynamics
3905. Streit CC, Richie JP, Clyde HR, et al: Hydrocele formation  
after sandwich irradiation therapy for testicular tumor.  
*Urology* 12(2):222-4, Aug 78  
ADULT/ HUMAN/ \*HYDROCELE, etiology/  
\*LYMPH NODE EXCISION, adverse effects/ MALE/  
MIDDLE AGE/ RETROPERITONEAL SPACE/  
\*TERATOID TUMOR, radiotherapy/ TERATOID  
TUMOR, surgery/ \*TESTICULAR NEOPLASMS,  
radiotherapy/ TESTICULAR NEOPLASMS, surgery
3906. Strombeck DR, Gribble D: Chronic active hepatitis in the dog.  
*J Am Vet Med Assoc* 173(4):380-6, 15 Aug 78  
ADRENAL CORTEX HORMONES, therapeutic use/  
ALANINE AMINOTRANSFERASE, blood/  
ALKALINE PHOSPHATASE, blood/ ANIMAL/  
BILIRUBIN, blood/ DOGS/ HEPATITIS, CANINE  
INFECTIOUS, blood/ HEPATITIS, CANINE  
INFECTIOUS, drug therapy/ \*HEPATITIS, CANINE  
INFECTIOUS, pathology/ LIVER, pathology/  
PROGNOSIS
3907. Strömberg L, Dalén N: Atrophy of cortical bone caused by  
rigid internal fixation plates. An experimental study in the  
dog. *Acta Orthop Scand* 49(5):448-56, Oct 78  
ANIMAL/ ATROPHY/ \*BONE AND BONES,  
pathology/ BONE AND BONES, radiography/ BONE  
MARROW, pathology/ \*BONE PLATES, adverse  
effects/ DOGS/ FEMUR, pathology/ FEMUR,  
radiography/ \*FRACTURE FIXATION, INT  
adverse effects/ MALE
3908. Struck CJ, Glossmann H: Soluble bovine adrenal co  
guanylate cyclase: effect of sodium nitroprusside,  
nitrosamines, and hydrophobic ligands on activity,  
specificity and cation requirement.  
*Naunyn Schmiedeberg Arch Pharmacol* 304(1):51-  
Aug 78  
ADENYL CYCLASE, metabolism/ \*ADREN  
CORTEX, enzymology/ ADRENAL CORTE  
ultrastructure/ ANIMAL/ CATIONS, metabo  
CATTLE/ FATTY ACIDS, pharmacodynami  
\*FERRICYANIDES, pharmacodynamics/ \*G  
CYCLASE, metabolism/ IN VITRO/ LIGAN  
\*NITROPRUSSIDE, pharmacodynamics/  
\*NITROSAMINES, pharmacodynamics/  
PHOSPHOLIPASE, pharmacodynamics/  
SUBCELLULAR FRACTIONS, enzymology/  
SUBSTRATE SPECIFICITY, drug effects
3909. Strzelecki A, Żoła J, Pasyk S: Ocena czynności lewej  
na podstawie badania polikardiograficznego i  
ultrasonokardiograficznego u chorej z niedoczynno  
przedniego płata przysadki. *Pol Tyg Lek* 33(33):13  
Aug 78  
ADULT/ CASE REPORT/  
ECHOCARDIOGRAPHY/  
ELECTROCARDIOGRAPHY/ FEMALE/ \*  
VENTRICLE, physiopathology/ HUMAN/  
\*HYPOPHYSECTOMY, physiopathology/  
PITUITARY GLAND, ANTERIOR, physiopa
3910. Stuart DD, Schultz AL: Thyroid function tests simul  
Graves' disease in alcoholic hepatitis. *Ann Intern M*  
89(4):514-5, Oct 78  
ADULT/ CASE REPORT/ DIAGNOSIS,  
DIFFERENTIAL/ \*GOITER, EXOPHTHAL  
diagnosis/ \*HEPATITIS, ALCOHOLIC, meta  
HUMAN/ LIVER, metabolism/ MALE/ \*TH  
FUNCTION TESTS/ THYROTROPIN, blood/  
THYROXINE, blood/ THYROXINE, metabo  
TRIIODOTHYRONINE, blood/  
TRIIODOTHYRONINE, metabolism
3911. Stubblefield PG: Pulmonary edema occurring after tl  
with dexamethasone and terbutaline for premature  
case report. *Am J Obstet Gynecol* 132(3):341-2, 1  
ADULT/ CASE REPORT/ \*DEXAMETHA  
adverse effects/ DEXAMETHASONE, therapeu  
FEMALE/ HUMAN/ \*LABOR, PREMATUR  
therapy/ PREGNANCY/ PREGNANCY,  
MULTIPLE/ \*PULMONARY EDEMA, chen  
induced/ \*TERBUTALINE, adverse effects/  
TERBUTALINE, therapeutic use/ TWINS
3912. Stuijver PC, Goud TJ: Corticosteroids and liver amo  
*Br Med J* 2(6134):394-5, 5 Aug 78  
ADULT/ CASE REPORT/ DYSENTERY, AM  
chemically induced/ FEMALE/ FEVER, chen  
induced/ HUMAN/ \*LIVER ABSCESS, AM  
complications/ MALE/ \*PREDNISONE, adve  
effects/ PREDNISONE, therapeutic use
3913. Sturc M: Hodnocení efektu metylergometrinu na ranou  
*Cesk Gynekol* 43(8):612-4, Sep 78  
ADULT/ EVALUATION STUDIES/ FEM  
HUMAN/ \*LACTATION, drug effects/  
\*METHYLERGONOVINE, pharmacodynamics  
PREGNANCY/ TIME FACTORS
3914. Stütz PL, Stadler PA, Vigouret JM, et al: Ergot alkaloid  
ergolines as selective dopaminergic stimulants.  
*J Med Chem* 21(8):754-7, Aug 78  
ANIMAL/ CORPUS STRIATUM, physiology/  
\*ERGOLINES, chemical synthesis/ ERGOLIN  
pharmacodynamics/ FEMALE/  
HYDROXYDOPAMINE, pharmacodynamics/ M  
MOTOR ACTIVITY, drug effects/ MOTOR  
ACTIVITY, physiology/ NIDATION, drug eff  
PROLACTIN, blood/ RATS/ \*RECEPTORS,  
DOPAMINE, drug effects/ RECEPTORS,  
DOPAMINE, physiology/ STEREOISOMERS,  
STEREOTYPED BEHAVIOR, physiology/  
SUBSTANTIA NIGRA, physiology
3915. Stygles VG, Smith WL, Reinke DA, et al:  
Prostaglandin-forming cyclooxygenase in renal med  
spontaneously hypertensive rats during development  
*Biol Neonate* 33(5-6):309-13, 1978  
ANIMAL/ ANIMALS, NEWBORN/



## AUTHOR SECTION

- FLUORESCENT ANTIBODY TECHNIC/  
\*HYPERTENSION, enzymology/ \*KIDNEY  
MEDULLA, enzymology/ KIDNEY MEDULLA,  
growth & development/ \*PROSTAGLANDIN  
SYNTHASE, metabolism/ PROSTAGLANDINS,  
biosynthesis/ RATS/ RATS, INBRED STRAINS/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
3916. Su C, Tsuru H, Su MO: Effects of adenosine triphosphate and  
prostaglandins on vascular adrenergic transmission.  
J Pharmacol Exp Ther 207(1):34-9, Oct 78  
\*ADENOSINE TRIPHOSPHATE,  
pharmacodynamics/ ANIMAL/ ARACHIDONIC  
ACIDS, pharmacodynamics/ ASPIRIN,  
pharmacodynamics/ BLOOD VESSELS, drug effects/  
\*BLOOD VESSELS, innervation/ FEMALE/ IN  
VITRO/ INDOMETHACIN, pharmacodynamics/  
MALE/ \*NEURAL TRANSMISSION, drug effects/  
PROSTAGLANDINS E, pharmacodynamics/  
PROSTAGLANDINS F, pharmacodynamics/  
\*PROSTAGLANDINS, pharmacodynamics/  
RABBITS/ \*SYMPATHETIC NERVOUS SYSTEM,  
drug effects/ UNITED STATES GOV'T  
SUPPORTED/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ VASOCONSTRICTION, drug  
effects
3917. Su JY, Kerrick WG: Effects of halothane on Ca<sup>2+</sup>-activated  
tension development in mechanically disrupted rabbit  
myocardial fibers. Pfluegers Arch 375(2):111-7, 18 Jul 78  
ADENOSINE TRIPHOSPHATASE, metabolism/  
ANIMAL/ CALCIUM, antagonists & inhibitors/  
CALCIUM, metabolism/ \*CALCIUM,  
pharmacodynamics/ DEPRESSION, CHEMICAL/  
\*HALOTHANE, pharmacodynamics/ MICROSCOPY,  
ELECTRON/ MUSCLE PROTEINS, metabolism/  
MYOCARDIAL CONTRACTION/ MYOCARDIUM,  
enzymology/ \*MYOCARDIUM, ultrastructure/  
MYOFIBRILS, enzymology/ \*PAPILLARY  
MUSCLES, drug effects/ PAPILLARY MUSCLES,  
enzymology/ PAPILLARY MUSCLES, ultrastructure/  
RABBITS/ UNITED STATES GOV'T SUPPORTED,  
P.H.S.
3918. Subbarao K, Kuchibhotla J: Adenosine-3',5'-diphosphate and  
coenzyme A--effects on platelet function.  
Biochem Pharmacol 27(8):1193-6, 1978  
\*ADENOSINE DIPHOSPHATE, pharmacodynamics/  
ADENOSINE, blood/ \*BLOOD PLATELETS, drug  
effects/ BLOOD PLATELETS, metabolism/  
\*COENZYME A, pharmacodynamics/ HUMAN/ IN  
VITRO/ PLATELET AGGREGATION, drug effects/  
SEROTONIN, blood/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
3919. Sucman E, Sucmanová M, Synek O: Potentiometrische  
Jodidgehaltsbestimmung in der Milch mit Hilfe einer  
ionenselektiven Elektrode. Z Lebensm Unters Forsch  
167(1):5-6, 18 Aug 78 (Eng. Abstr.) (Ger)  
ANIMAL/ CATTLE/ ELECTRODES/ ENGLISH  
ABSTRACT/ \*IODIDES, analysis/ \*MILK, analysis/  
\*POTENTIOMETRY, instrumentation/  
POTENTIOMETRY, methods
3920. Suda K, Barde YA, Thoenen H: Nerve growth factor in mouse  
and rat serum: correlation between bioassay and  
radioimmunoassay determinations.  
Proc Natl Acad Sci USA 75(8):4042-6, Aug 78  
ANIMAL/ ANTIBODIES/ BINDING SITES,  
ANTIBODY/ \*BIOLOGICAL ASSAY/ BLOOD  
PROTEINS, metabolism/ COMPARATIVE STUDY/  
GANGLIA, SPINAL/ MICE/ \*NERVE GROWTH  
FACTOR, blood/ NERVE GROWTH FACTOR,  
immunology/ \*RADIOIMMUNOASSAY/  
RADIOIMMUNOASSAY, methods/ RATS
3921. Suda T, Liotta AS, Krieger DT: beta-Endorphin is not  
detectable in plasma from normal human subjects.  
Science 202(4364):221-3, 13 Oct 78  
ADDISON'S DISEASE, blood/ \*CORTICOTROPIN,  
blood/ CUSHING'S SYNDROME, blood/  
\*ENDORPHINS, blood/ HUMAN/ \*LIPOTROPIN,  
blood/ NELSON SYNDROME, blood/ PITUITARY  
GLAND, metabolism/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
3922. Sudakov KV: Peismekernaia rol' gipotalamusa v formirovanii  
normal'nykh i patologicheskikh pishchevykh motivatsii.  
Fiziol Zh 24(5):589-601, Sep-Oct 78 (Eng. Abstr.) (Rus)  
ANIMAL/ CATS/ ENGLISH ABSTRACT/  
\*HUNGER, physiology/ \*HYPOTHALAMUS,  
physiology/ PERIODICITY
3923. Sugawara T: [The effect of cortisol infusion on plasma renin  
activity, aldosterone levels and 11-deoxycorticosterone levels  
in humans (author's transl)]  
Nippon Naibunpi Gakkai Zasshi 54(5):710-8, 20 May 78  
(Eng. Abstr.) (Jpn)  
ADOLESCENCE/ ADULT/ \*ALDOSTERONE,  
blood/ \*DESOXYCORTICOSTERONE, blood/  
ENGLISH ABSTRACT/ FEMALE/ HUMAN/  
HYDROCORTISONE, administration & dosage/  
\*HYDROCORTISONE, pharmacodynamics/  
HYPERALDOSTERONISM, blood/  
HYPERTENSION, blood/ INFUSIONS,  
PARENTERAL/ MALE/ MIDDLE AGE/ \*RENIN,  
blood
3924. Sugden MC, Ashcroft SJ: Effects of phosphoenolpyruvate,  
other glycolytic intermediates and methylxanthines on  
calcium uptake by a mitochondrial fraction from rat  
pancreatic islets. Diabetologia 15(3):173-80, Sep 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
pharmacodynamics/ ADENOSINE TRIPHOSPHATE,  
pharmacodynamics/ ANIMAL/ \*CALCIUM,  
metabolism/ CARBONYL CYANIDE  
P-TRIFLUOROMETHOXYPHENYLHYDRAZONE  
pharmacodynamics/ \*GLYCOLYSIS/ IN VITRO/  
ISLANDS OF LANGERHANS, drug effects/  
\*ISLANDS OF LANGERHANS, metabolism/  
KINETICS/ MAGNESIUM, pharmacodynamics/  
MALE/ MITOCHONDRIA, drug effects/  
\*MITOCHONDRIA, metabolism/  
\*PHOSPHOENOLPYRUVATE, pharmacodynamics/  
RATS/ \*XANTHINES, pharmacodynamics
3925. Suginami H, Robertson DM, Diczfalusy E: Influence of the  
purity of the iodinated tracer on the specificity of the  
radioimmunoassay of human luteinizing hormone.  
Acta Endocrinol (Copenh) 89(3):506-20, Nov 78  
BIOLOGICAL ASSAY/ CHROMATOGRAPHY,  
GEL/ FSH, analysis/ HUMAN/ IMMUNE SERUMS/  
IMMUNOENZYME TECHNIQUES/ \*IODINE  
RADIOISOTOPES, diagnostic use/ ISOTOPE  
LABELING/ \*LH, analysis/ LH, isolation &  
purification/ \*RADIOIMMUNOASSAY, methods
3926. Sugishita M, Iwata M, Toyokura Y, et al: Reading of ideograms  
and phonograms in Japanese patients after partial  
commissurotomy. Neuropsychologia 16(4):417-26, 1978  
ADULT/ BRAIN NEOPLASMS, surgery/ CASE  
REPORT/ \*CORPUS CALLOSUM, physiology/  
\*CORPUS CALLOSUM, surgery/ DOMINANCE,  
CEREBRAL, physiology/ FEMALE/ HUMAN/  
JAPAN/ MALE/ PHONATION/ PINEAL BODY,  
surgery/ \*READING/ VISUAL FIELDS/ VISUAL  
PERCEPTION, physiology
3927. Sugrue MF, Mireylees SE: Effects of mazindol on rat brain  
synaptosomal monoamine uptake. Biochem Pharmacol  
27(14):1843-7, 1978  
ANIMAL/ \*BIOGENIC AMINES, metabolism/  
BRAIN, drug effects/ \*BRAIN, metabolism/ BRAIN,  
ultrastructure/ CORPUS STRIATUM, ultrastructure/  
HYPOTHALAMUS, ultrastructure/ IN VITRO/  
\*INDOLES, pharmacodynamics/ MALE/  
\*MAZINDOL, pharmacodynamics/ RATS/ RATS,  
INBRED STRAINS/ SYNAPTOSOMES, drug effects/  
\*SYNAPTOSOMES, metabolism/ TIME FACTORS
3928. Subara K, Gomi T, Sato H, et al: Purification and  
immunochemical characterization of the two adrenal cortex  
mitochondrial cytochrome P-450-proteins.  
Arch Biochem Biophys 190(1):290-9, Sep 78  
\*ADRENAL CORTEX, enzymology/ ANIMAL/  
CATTLE/ \*CYTOCHROME P-450, isolation &  
purification/ CYTOCHROME P-450, metabolism/ GEL  
DIFFUSION TESTS/ IMMUNOASSAY/  
KINETICS/ \*MITOCHONDRIA, enzymology
3929. Sukhova ZI, Leont'eva GV, Chechulin IuS: Vyvedenie  
katekholaminov nadpochechnikami pri aktivatsii  
simpato-adrenalovoi sistemy. Tsitologiya 20(5):496-501, May  
78 (Eng. Abstr.) (Rus)  
\*ADRENAL MEDULLA, secretion/ ADRENAL  
MEDULLA, ultrastructure/ ANIMAL/  
\*CATECHOLAMINES, secretion/ DOGS/ ENGLISH  
ABSTRACT/ HEART FAILURE, CONGESTIVE,  
etiology/ \*HEART FAILURE, CONGESTIVE,  
metabolism/ HEART FAILURE, CONGESTIVE,  
pathology/ HISTOCYTOCHEMISTRY/  
MICROSCOPY, ELECTRON/ MITRAL VALVE



# AUTHOR SECTION

## INSUFFICIENCY, complications

3930. Sulon J, Demey-Ponsart L, Beauvain P, et al: Radioimmunoassay of corticosterone, cortisol and cortisone: their application to human cord and maternal plasma. *J Steroid Biochem* 9(7):671-6, Jul 78  
\*CORTICOSTERONE, blood/ \*CORTISONE, blood/ CROSS REACTIONS/ FEMALE/ \*FETAL BLOOD, analysis/ HUMAN/ \*HYDROCORTISONE, blood/ PREGNANCY/ RADIOIMMUNOASSAY
3931. Sumi K, Sugita T, Shimotsuji T, et al: Effect of anticonvulsant therapy on serum 25-hydroxyvitamin D level. *Tohoku J Exp Med* 125(3):265-9, Jul 78  
ADOLESCENCE/ \*ANTICONVULSANTS, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ DRUG THERAPY, COMBINATION/ EPILEPSY, blood/ EPILEPSY, drug therapy/ HUMAN/ \*HYDROXYCHOLECALCIFEROLS, blood/ INFANT/ PHENOBARBITAL, administration & dosage/ PHENOBARBITAL, therapeutic use/ PHENYTOIN, administration & dosage/ PHENYTOIN, therapeutic use
3932. Sun GY, Sun AY: The effects of chronic ethanol administration on acyl group composition of mitochondrial phospholipids from guinea pig adrenal. *Res Commun Chem Pathol Pharmacol* 21(2):355-8, Aug 78  
ADRENAL GLANDS, drug effects/ \*ADRENAL GLANDS, metabolism/ ADRENAL GLANDS, ultrastructure/ \*ALCOHOL, ETHYL, pharmacodynamics/ ANIMAL/ MICE/ MITOCHONDRIA, drug effects/ \*MITOCHONDRIA, metabolism/ PHOSPHATIDYLCHOLINES, metabolism/ PHOSPHATIDYLETHANOLAMINES, metabolism/ \*PHOSPHOLIPIDS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3933. Sundararaj BI: Environmental regulation of annual reproductive cycles in the catfish *Heteropneustes fossilis*. pp. 26-7. In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
ACCLIMATIZATION/ ANIMAL/ \*BIOLOGICAL CLOCKS/ FEMALE/ \*FISHES, physiology/ MONOGRAPH/ OVARY, physiology/ PERIODICITY/ \*REPRODUCTION
3934. Sundby A, Tollman R: Plasma testosterone in bulls. Seasonal variation. *Acta Vet Scand* 19(2):263-8, 1978  
ANIMAL/ \*CATTLE, blood/ CIRCADIAN RHYTHM/ LH, blood/ MALE/ SEASONS/ \*TESTOSTERONE, blood
3935. Sundler F, Håkanson R: Fluorescence histochemistry of peptide hormone-producing cells: observations on the phenanthrenequinone method for the demonstration of arginine residues. *Histochemistry* 56(3-4):221-7, 12 Jul 78  
ADRENAL GLANDS, cytology/ ANIMAL/ \*ARGININE, analysis/ CATS/ CATTLE/ DOGS/ FLUORESCENCE/ GUINEA PIGS/ \*HISTOCYTOCHEMISTRY, methods/ \*HORMONES, analysis/ MICE/ MODELS, CHEMICAL/ PANCREAS, cytology/ \*PEPTIDES, analysis/ PHENANTHRENES, diagnostic use/ PITUITARY GLAND, ANTERIOR, cytology/ PYLORIC ANTRUM, cytology/ RABBITS/ RATS/ SWINE/ THYROID GLAND, cytology
3936. Suslov GI: Generalizovannyi ksantomatoz u bol'noi sakhar'nyy diabetes, operirovannoi po povodu raka shchitovidnoi zhelzy. *Probl Endokrinol (Mosk)* 24(5):52-4, Sep-Oct 78 (Rus)  
ADULT/ CARCINOMA, PAPILLARY, pathology/ CARCINOMA, PAPILLARY, surgery/ CASE REPORT/ \*DIABETES MELLITUS, complications/ DIABETES MELLITUS, pathology/ FEMALE/ HUMAN/ HYPERTENSION, pathology/ THYROID NEOPLASMS, pathology/ \*THYROID NEOPLASMS, surgery/ \*XANTHOMATOSIS, etiology/ XANTHOMATOSIS, pathology
3937. Sutherland KJ: Systemic problems affecting dental treatment. *Aust Dent J* 23(2):140-5, Apr 78  
ADOLESCENCE/ ADULT/ ARRHYTHMIA/ \*CARDIOVASCULAR DISEASES/ CHILD/ CORONARY DISEASE/ \*DENTAL CARE/ DIABETES MELLITUS/ ENDOCARDITIS, BACTERIAL, prevention & control/ \*ENDOCRINE DISEASES/ \*EPILEPSY/ HEMATOLOGIC DISEASES/ HUMAN/ HYPERTENSION/

## VASOCONSTRICTOR AGENTS, adverse effects

3938. Suzuki F, Nagano T: Regional differentiation of cell junctions in the excurrent duct epithelium of the rat testis as revealed by freeze-fracture. *Anat Rec* 191(4):503-19, Aug 78  
ANIMAL/ EPIDIDYMIS, cytology/ FREEZE FRACTURING/ \*INTERCELLULAR JUNCTIONS, ultrastructure/ MALE/ RATS/ SEMINIFEROUS EPITHELIUM, cytology/ SERTOLI CELLS, ultrastructure/ \*TESTIS, cytology/ VAS DEFERENS, cytology
3939. Suzuki H: [Chronic hepatitis—effects of adrenal cortex steroids] *Nippon Rinsho Suppl*:2164-5, May 78  
ADRENAL CORTX HORMONES, adverse effects/ \*ADRENAL CORTX HORMONES, therapeutic use/ CHRONIC DISEASE/ \*HEPATITIS, drug therapy/ HUMAN
3940. Suzuki J, Nakamura T, Kasai K, et al: [Endocrinological study of Turner's syndrome] *Horumon To Rinsho* 26(1):73-7, 78  
ADULT/ CASE REPORT/ DIABETES MELLITUS, complications/ FEMALE/ HUMAN/ \*PITUITARY GLAND, HORMONES, ANTERIOR, blood/ \*TURNER'S SYNDROME, blood
3941. Suzuki O, Yagi K: A nonisotopic assay for acetylserotomethyltransferase. *Anal Biochem* 88(2):580-6, 1 Aug 78  
O-PHTHALALDEHYDE/ \*ACETYLSEROTOMETHYLTRANSFERASE, analysis/ ADULT/ ANIMAL/ CHICKENS/ FLUOROMETRY/ FROGS/ HUMAN/ MALE/ MELATONIN, analysis/ METHODS/ \*METHYLTRANSFERASES, analysis/ PINEAL BODY, enzymology/ RATS/ RETINAL ENZYMES, enzymology
3942. Suzuki S, Oda N, Sekiya T: [Usefulness of ventriculography by injecting a current water-soluble contrast media through the CSF shunt reservoir: trans-reservoir ventriculography (author's transl)] *Neurol Med Chir (Tokyo)* 18(5 Pt 2):407-10, Jul 78 (Eng. Abstr.)  
ADOLESCENCE/ ADULT/ BRAIN NEOPLASMS, radiography/ \*CEREBROSPINAL FLUID SHUNT, CHILD/ CHILD, PRESCHOOL/ CONTRAST MEDIA/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT/ MALE/ PINEALOMA, radiography/ SOLUBILITY/ \*VENTRICULOGRAPHY, CEREBRAL, methods
3943. Suzuki Y, Matsuyama S, Hata J, et al: Demonstration of pulmonary calcinosis by <sup>99m</sup>Tc diphosphonate bone scanning. *Nippon Igaku Hoshasen Gakkai Zasshi* 38(6):525-6, 25 Jun 78  
ADULT/ \*BONE AND BONES, radionuclide imaging/ \*CALCINOSIS, radionuclide imaging/ CASE REPORT/ HUMAN/ \*LUNG DISEASES, radionuclide imaging/ MALE/ TECHNETIUM, diagnostic use
3944. Svechnikova NV, Bekker VI, Magdich LV: Vliianie al'dak na mineralokortikoidnuiu funktsiiu kory nadpocheknik na soderzhanie natriia i kaliiia v krovi iudei pozhilogo i starsheskogo vozrasta. *Vrach Delo* (8):49-52, 1978 (Eng. Abstr.)  
\*ADRENAL CORTX, drug effects/ ADULT/ AGED/ AGING, drug effects/ ALDOSTERONE, urine/ CLINICAL RESEARCH/ COMPARATIVE STUDY/ DRUG EVALUATION/ ENGLISH ABSTRACT/ ERYTHROCYTES, drug effects/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ \*MINERALOCORTICIDS, physiology/ \*POTASSIUM, blood/ \*SODIUM, blood/ \*SPIRONOLACTONE, therapeutic use
3945. Svechnikova NV, Bekker VI, Kop'eva SA, et al: Do pyta pro vzaimozv'iazok biologicheskogo rytmu i aiechnykh funktsiiu kory nadnyrkovykh zaloz. *Pediatr Akush Ginekol* (4):50-1, Jul-Aug 78  
\*ADRENAL CORTX, physiology/ ADULT/ ANIMAL/ COMPARATIVE STUDY/ ESTRUS/ FEMALE/ HUMAN/ MENSTRUATION/ \*OVARY, physiology/ \*PERIODICITY/ RATS
3946. Svejcar J: Biochemische Grundlagen der Osteochondrodysplasien, im speziellen auch der übrigen orthopädischen Krankheiten. *Z Orthop* 116(4):544-6, 1978  
\*CARTILAGE DISEASES, familial & genetic/ COLLAGEN, metabolism/ ECCENTROOSTEOCHONDRODYSPLASIA,



# AUTHOR SECTION

- metabolism/ GENES, DOMINANT/ HEPARITIN SULFATE, metabolism/ HIP DISLOCATION, CONGENITAL, familial & genetic/ HUMAN/ KERATAN SULFATE, metabolism/ MUCOPOLYSACCHARIDES, metabolism/ OSTEOGENESIS IMPERFECTA, familial & genetic/ SCOLIOSIS, familial & genetic
3947. Svoboda M, Robberecht P, Christophe J: Deactivation of persistently activated pancreatic adenylate cyclase. Evidence of uncoupling of hormone receptors and enzyme effector in the persistently activated state, and of the presence of two guanyl nucleotide regulatory sites. *FEBS Lett* 92(2):351-6, 15 Aug 78  
\*ADENYL CYCLASE, metabolism/ ANIMAL/ CELL MEMBRANE, enzymology/ CHOLECYSTOKININ, pharmacodynamics/ ENZYME ACTIVATION, drug effects/ \*GUANINE NUCLEOTIDES, metabolism/ GUANYLYL IMIDODIPHOSPHATE, pharmacodynamics/ KINETICS/ \*PANCREAS, enzymology/ RATS/ RECEPTORS, HORMONE, metabolism/ SECRETIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3948. Svorčík C, Bičková L: Effect of drugs on the stimulation threshold of the human heart. *Cor Vasa* 20(3):184-95, 1978  
\*ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ AJMALINE, pharmacodynamics/ \*ANESTHETICS, LOCAL, pharmacodynamics/ \*ANTI-ARRHYTHMIA AGENTS, pharmacodynamics/ ANTIBIOTICS, pharmacodynamics/ DIGITALIS GLYCOSIDES, pharmacodynamics/ \*HEART VENTRICLE, drug effects/ HUMAN/ HYDROCORTISONE, pharmacodynamics/ LIDOCAINE, pharmacodynamics/ NANDROLONE, pharmacodynamics/ NITRITES, pharmacodynamics/ PHENYTOIN, pharmacodynamics/ PREDNISONE, pharmacodynamics/ PROCAINAMIDE, pharmacodynamics/ PURINES, pharmacodynamics/ QUINIDINE, pharmacodynamics/ TRIMECAINE, pharmacodynamics
3949. Swarup-Mitra S, Bhattacharyya AK: Iron nutrition in rickets [letter] *Trans R Soc Trop Med Hyg* 72(4):444-5, 1978  
CHILD/ DIET, adverse effects/ HUMAN/ INDIA/ \*IRON, metabolism/ RICKETS, etiology/ \*RICKETS, metabolism
3950. Sweat FW, Yamashita L: Prostaglandin E1 effects on cyclic AMP and glycogen metabolism in rat liver. *Biochem Biophys Res Commun* 82(3):879-86, 14 Jun 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL/ GLUCAGON, pharmacodynamics/ GLUCOSE, biosynthesis/ GUANOSINE TRIPHOSPHATE, pharmacodynamics/ \*LIVER GLYCOGEN, metabolism/ LIVER, cytology/ \*LIVER, metabolism/ MALE/ \*PROSTAGLANDINS E, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3951. El-Swedy SM, El-Bassiouni EA, Assar ST: Effect of some steroids on bovine pancreatic ribonuclease activity in vitro. *Biochem Pharmacol* 27(14):1831-2, 1978  
ANIMAL/ CATTLE/ IN VITRO/ PANCREAS, drug effects/ \*PANCREAS, enzymology/ \*RIBONUCLEASE, metabolism/ \*STEROIDS, pharmacodynamics
3952. Sweet F, Patrick TB, Judd RM: Substrate characteristics of progesterone-albumin conjugates with 20beta-hydroxysteroid dehydrogenase. *Biochem Biophys Res Commun* 83(1):187-94, 14 Jul 78  
BINDING SITES/ KINETICS/ MOLECULAR CONFORMATION/ \*PROGESTERONE/ PROTEIN BINDING/ PROTEIN CONFORMATION/ \*SERUM ALBUMIN, BOVINE/ STREPTOMYCES, enzymology/ SUBSTRATE SPECIFICITY/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*20-HYDROXYSTEROID DEHYDROGENASES/ 20-HYDROXYSTEROID DEHYDROGENASES, metabolism
3953. Swenson PA, Schenley RL: Effects of antipain (a protease inhibitor) on respiration, viability, and excision of pyrimidine dimers in UV-irradiated *Escherichia coli* cells. *J Bacteriol* 135(3):1167-70, Sep 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ \*ESCHERICHIA COLI, drug effects/ ESCHERICHIA COLI, growth & development/ ESCHERICHIA COLI, metabolism/ ESCHERICHIA COLI, radiation effects/ \*PROTEASE INHIBITORS, pharmacodynamics/ \*PYRIMIDINE DIMERS, metabolism/ ULTRAVIOLET RAYS/ UNITED STATES GOV'T SUPPORTED
3954. Szafarczyk A, Nougier-Soulé J, Assenmacher I: Responses of the diurnal locomotor and adrenocortical rhythms in rats exposed to a weekly 8-hour phase-shift of the Zeitgeber. pp. 200-1.  
In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
\*ADRENAL CORTEX, physiology/ ANIMAL/ \*CIRCADIAN RHYTHM/ CORTICOSTERONE, blood/ \*DIURNAL RHYTHM/ FEMALE/ \*LOCOMOTION/ MONOGRAPH/ RATS/ TIME FACTORS
3955. Szafarczyk A, Boissin J, Nougier-soulé J, et al: Effects of ahemeral environmental periodicities on the rhythms of adrenocortical and locomotor functions in rats and Japanese quail. pp. 182-4.  
In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
ANIMAL/ \*CIRCADIAN RHYTHM/ CORTICOSTERONE, blood/ LIGHT/ \*LOCOMOTION/ MONOGRAPH/ \*PERIODICITY/ \*QUAIL, physiology/ RATS
3956. Szamborski J, Chmielewski O, Czerwiński W: Przeruty nowotworów nabłonkowych jajnika w obserwacji operatora. *Ginekol Pol* 49(6):517-24, Jun 78 (Eng. Abstr.) (Pol)  
DIAGNOSIS, SURGICAL/ ENGLISH ABSTRACT/ EPITHELIUM, pathology/ FEMALE/ HUMAN/ NEOPLASM METASTASIS/ \*OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery
3957. Szamborski J, Liebhart M: Niektóre aspekty morfologiczne nowotworów gonocytarnych jajnika w obrazie mikroskopowo-elektronowym. *Patol Pol* 29(2):209-19, Apr-Jun 78 (Eng. Abstr.) (Pol)  
ADULT/ CASE REPORT/ \*DYSGERMINOMA, ultrastructure/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*OVARIAN NEOPLASMS, ultrastructure
3958. Szamborski JJ: Ovarian tumors in childhood and adolescence. Histological types and malignancy with reference to the age and menstrual activity of patients. *Neoplasma* 25(4):493-9, 1978  
ADOLESCENCE/ ADULT/ AGE FACTORS/ AMENORRHEA, complications/ ARRHENOBlastoma, etiology/ CHORIOCARCINOMA, etiology/ COMPARATIVE STUDY/ CYSTADENOMA, etiology/ CYSTADENOMA, MUCINOUS, etiology/ DYSGERMINOMA, etiology/ FEMALE/ GRANULOSA CELL TUMOR, etiology/ HUMAN/ \*MENSTRUATION/ OVARIAN NEOPLASMS, etiology/ \*OVARIAN NEOPLASMS, pathology/ TERATOID TUMOR, etiology/ TIME FACTORS
3959. Szczeklik A, Gryglewski RJ, Nizankowski R, et al: Circulatory and anti-platelet effects of intravenous prostacyclin in healthy men. *Pharmacol Res Commun* 10(6):545-56, Jun 78  
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADULT/ \*BLOOD PLATELETS, drug effects/ BODY TEMPERATURE, drug effects/ \*HEMODYNAMICS, drug effects/ HUMAN/ MALE/ MIDDLE AGE/ OXYGEN CONSUMPTION, drug effects/ PLATELET AGGREGATION, drug effects/ \*PROSTAGLANDINS X, pharmacodynamics/ \*PROSTAGLANDINS, pharmacodynamics/ TIME FACTORS
3960. Szczeklik A, Gryglewski R, Nizankowski R, et al: Pierwsze dożylne podanie prostacykliny człowiekowi. *Pol Tyg Lek* 33(36):1405-8, 4 Sep 78 (Eng. Abstr.) (Pol)  
ADULT/ ENGLISH ABSTRACT/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 20TH CENT./ HUMAN/ INFUSIONS, PARENTERAL, history/ MALE/ MIDDLE AGE/ \*PROSTAGLANDINS X, administration & dosage/ PROSTAGLANDINS X, history/ \*PROSTAGLANDINS, administration & dosage
3961. Szczeklik AJ, Gryglewski RJ: Prostaglandins and aspirin-sensitive asthma [letter] *Am Rev Respir Dis* 118(4):799-800, Oct 78  
\*ASPIRIN, adverse effects/ ASPIRIN, therapeutic use/ \*ASTHMA, chemically induced/ ASTHMA,



## AUTHOR SECTION

- physiopathology/ DEPRESSION, CHEMICAL/  
HUMAN/ PROSTAGLANDINS E, biosynthesis/  
PROSTAGLANDINS X, biosynthesis/  
\*PROSTAGLANDINS, biosynthesis/  
THROMBOXANE A<sub>2</sub>, biosynthesis
3962. Szmydt W, Wierzchowiecki M, Ryhicka K: Polikardiograficzna ocena układu krążenia u chorych z toczniem układowym leczonych sterydami przeciwzapalnymi. *Pol Tyg Lek* 33(28):1097-9, 10 Jul 78 (Eng. Abstr.) (Pol)  
ADOLESCENCE/ ADULT/ AGED/  
\*CARDIOVASCULAR SYSTEM, drug effects/  
CARDIOVASCULAR SYSTEM, physiopathology/  
ENGLISH ABSTRACT/ FEMALE/  
HEMODYNAMICS/ HUMAN/ LUPUS  
ERYTHEMATOSUS, SYSTEMIC, drug therapy/  
\*LUPUS ERYTHEMATOSUS, SYSTEMIC,  
physiopathology/ MALE/ MIDDLE AGE/  
\*PREDNISONE, pharmacodynamics/ PREDNISONE,  
therapeutic use
3963. Sznappa Z, Barczyński M, Cichoń S, et al: Powikłania okołoperacyjne po leczeniu wola prostego i nadczynnego w klinikach AM w Krakowie i terenowych szpitalach regionu krakowskiego. *Pol Przegl Chir* 50(6):455-9, Jun 78 (Eng. Abstr.) (Pol)  
ADULT/ ENGLISH ABSTRACT/ GOITER,  
etiology/ \*GOITER, surgery/ HOSPITALS,  
TEACHING/ HUMAN/ HYPERTHYROIDISM,  
complications/ MIDDLE AGE/ POLAND/  
\*POSTOPERATIVE COMPLICATIONS/  
POSTOPERATIVE COMPLICATIONS, mortality/  
\*THYROIDECTOMY, adverse effects
3964. Szöllösi D: Desmosomes: their occurrence between adjacent primary oocytes in polyovular follicles in the rabbit. *Cell Tissue Res* 191(1):115-9, 13 Jul 78  
ANIMAL/ \*DESMOSOMES, ultrastructure/  
FEMALE/ \*GRAAFIAN FOLLICLE, ultrastructure/  
INTERCELLULAR JUNCTIONS, ultrastructure/  
MICROSCOPY, ELECTRON/ \*OOCYTES,  
ultrastructure/ \*OVUM, ultrastructure/ RABBITS
3965. Szöllösi J, Falkay GY, Sas M: Mesterolone treatment of patients with pathospermia. *Int Urol Nephrol* 10(3):251-6, 1978  
ADULT/ FRUCTOSE, analysis/ FSH, blood/  
HUMAN/ LH, blood/ MALE/ MESTEROLONE,  
administration & dosage/ \*MESTEROLONE,  
therapeutic use/ \*OLIGOSPERMIA, drug therapy/  
SPERMATOZOA, analysis/ \*STANOLONE, analogs  
& derivatives/ TESTOSTERONE, blood
3966. Szpunar WE, Block M: Triiodothyronine uptake test in which antibody-coated tubes are used compared to two other tests in which precipitation separations are used. *Clin Chem* 24(9):1616-7, Sep 78  
ANTIBODIES/ COMPARATIVE STUDY/  
HUMAN/ HYPERTHYROIDISM, blood/  
HYPOTHYROIDISM, blood/ IMMUNOASSAY,  
methods/ PRECIPITIN TESTS/ SERUM  
GLOBULINS, metabolism/ \*THYROXINE BINDING  
PROTEIN, blood/ \*TRIIODOTHYRONINE, blood
3967. Szulman AE, Surti U: The syndromes of hydatidiform mole. II. Morphologic evolution of the complete and partial mole. *Am J Obstet Gynecol* 132(1):20-7, 1 Sep 78  
FEMALE/ GESTATIONAL AGE/ HUMAN/  
HYDATIDIFORM MOLE, classification/  
HYDATIDIFORM MOLE, familial & genetic/  
\*HYDATIDIFORM MOLE, pathology/  
KARYOTYPING/ POLYPOIDITY/ PREGNANCY/  
SYNDROME
- T
3968. Tachiki KH, Takagi A, Tateishi T, et al: Animal model of depression. III. Mechanism of action of tetrabenazine. *Biol Psychiatry* 13(4):429-43, Aug 78  
P-CHLOROPHENYLALANINE, pharmacodynamics/  
ANIMAL/ BRAIN CHEMISTRY/ BRAIN,  
metabolism/ \*DEPRESSION, metabolism/ \*DISEASE  
MODELS, ANIMAL/ DOPAMINE, analysis/ DRUG  
SYNERGISM/ HYDROXYINDOLEACETIC ACID,  
analysis/ HYDROXYINDOLEACETIC ACID,  
metabolism/ HYDROXYTRYPTOPHAN,  
administration & dosage/ HYDROXYTRYPTOPHAN,  
pharmacodynamics/ MALE/ MOTOR ACTIVITY,  
drug effects/ MOTOR ACTIVITY, physiology/  
NOREPINEPHRINE, analysis/ RATS/ SEROTONIN
- ANTAGONISTS/ SEROTONIN, analysis/  
SEROTONIN, physiology/ TETRABENAZINE,  
administration & dosage/ \*TETRABENAZINE,  
pharmacodynamics
3969. Taetle R, Dickman PS, Feldman PS: Pulmonary histopathologic changes associated with melphalan therapy. *Cancer* 42(3):1239-45, Sep 78 (30 ref.)  
AGED/ CASE REPORT/ COMPARATIVE STUDY/  
DRUG THERAPY, COMBINATION/  
EPITHELIUM, pathology/ HUMAN/ \*LUNG, drug  
effects/ LUNG, pathology/ MALE/ \*MELPHALAN,  
adverse effects/ MIDDLE AGE/ \*MULTIPLE  
MYELOMA, drug therapy/ MULTIPLE MYELOMA,  
pathology/ PREDNISONE, adverse effects/  
\*PULMONARY FIBROSIS, chemically induced/  
PULMONARY FIBROSIS, pathology/ REVIEW/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
3970. Takahashi K, Wakai T, Furuhashi N, et al: Purification of rat prolactin releasing factor by gel filtration. *Tohoku J Exp Med* 126(1):77-84, Sep 78  
ANIMAL/ \*CHROMATOGRAPHY, GEL/  
FEMALE/ HYPOTHALAMUS, analysis/  
MOLECULAR WEIGHT/ PREGNANCY/  
PROLACTIN RELEASING HORMONE, analysis/  
\*PROLACTIN RELEASING HORMONE, isolation &  
purification/ RATS
3971. Takayanagi I, Yamashita H, Kasuya Y: Nonspecific relaxation of intestinal smooth muscle induced by antispasmodics and movement of Calcium ions. *Jpn J Pharmacol* 28(2):334-7, Apr 78  
ANIMAL/ BENACTYZINE, antagonists & inhibitors/  
\*BENACTYZINE, pharmacodynamics/ \*CALCIUM,  
metabolism/ CALCIUM, pharmacodynamics/ COLON,  
drug effects/ HISTAMINE H<sub>1</sub> RECEPTOR  
BLOCKADERS/ IN VITRO/ IONS/ MALE/  
MICROSOMES, metabolism/ \*MUSCLE  
CONTRACTION, drug effects/ \*MUSCLE  
RELAXATION, drug effects/ \*MUSCLE, SMOOTH,  
drug effects/ PAPAVERINE, antagonists & inhibitors/  
\*PAPAVERINE, pharmacodynamics/ RABBITS/  
SUBCELLULAR FRACTIONS, metabolism
3972. Takeda F: [Transphenoidal surgery of the pituitary gland] *Nippon Rinsho Suppl*:1786-7, May 78 (Jpn)  
ADENOMA, surgery/ ADULT/ FEMALE/  
HUMAN/ \*HYPOPHYSECTOMY, methods/ MALE/  
MICROSURGERY, methods/ MIDDLE AGE/  
PITUITARY NEOPLASMS, surgery/ SPHENOID  
SINUS
3973. Takeda K, Buñag RD: Sympathetic hyperactivity during hypothalamic stimulation in spontaneously hypertensive rats. *J Clin Invest* 62(3):642-8, Sep 78  
ACTION POTENTIALS, drug effects/ ANIMAL/  
BLOOD PRESSURE, drug effects/ COMPARATIVE  
STUDY/ ELECTRIC STIMULATION/ FEMALE/  
HYPERTENSION, etiology/ \*HYPERTENSION,  
physiopathology/ \*HYPOTHALAMUS,  
physiopathology/ HYPOTHALAMUS, POSTERIOR,  
drug effects/ \*HYPOTHALAMUS, POSTERIOR,  
physiopathology/ NOREPINEPHRINE,  
pharmacodynamics/ RATS/ STIMULATION,  
CHEMICAL/ \*SYMPATHETIC NERVOUS  
SYSTEM, physiopathology/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
3974. Takeda N, Togane R, Nanha O, et al: [Experimental studies of HGH-RIA kit (S-8540) by a solid phase method] *Horumon To Rinsho* 26(6):623-8, Jun 78 (Jpn)  
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/  
MALE/ \*RADIOIMMUNOASSAY, methods/  
\*REAGENT KITS, DIAGNOSTIC/  
\*SOMATOTROPIN, blood
3975. Takeshita K: [De Sanctis-Cacchione syndrome] *Nippon Rinsho Suppl*:1420-1, May 78 (Jpn)  
AUTOSOME ABNORMALITIES/ \*DWARFISM/  
FEMALE/ HUMAN/ MALE/ \*MICROCEPHALY/  
SYNDROME/ \*XERODERMA PIGMENTOSUM
3976. Takeuchi A, Kajihara A, Kobayashi S, et al: [Endocrine abnormalities in systemic muscle cramp] *Horumon To Rinsho* 26(1):45-50, Jan 78 (Jpn)  
ADULT/ CASE REPORT/ DANTROLENE,  
therapeutic use/ FEMALE/ \*FSH, blood/ HUMAN/  
\*LH, blood/ \*MUSCLE CRAMP, blood
3977. Takiguchi M, Ishihara H, Ishita K, et al: [Plasma cortisol



## AUTHOR SECTION

- response to trimethaphan (Arfonad) induced hypotension anesthesia (author's transl)] Masui 27(8):829-34, Aug 78 (Eng. Abstr.) (Jpn)
- ADRENAL CORTEX, drug effects/ ADULT/ AGED/ CEREBRAL ANEURYSM, surgery/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYDROCORTISONE, blood/ \*HYPOTENSION, CONTROLLED/ MALE/ MIDDLE AGE/ \*TRIMETHAPHAN, pharmacodynamics
978. Takikawa O, Gomi T, Suhara K, et al: Properties of an adrenal cytochrome P-450 (P-450SCC) for the side chain cleavage of cholesterol. Arch Biochem Biophys 190(1):300-6, Sep 78
- \*ADRENAL CORTEX, enzymology/ ANIMAL/ CARBON MONOXIDE/ CATTLE/ \*CHOLESTEROL DESMOLASE, metabolism/ \*CYTOCHROME P-450, metabolism/ FERREDOXINS, pharmacodynamics/ KINETICS/ \*MITOCHONDRIA, enzymology/ \*OXIDOREDUCTASES, metabolism/ SPECTROPHOTOMETRY
979. Tatal N: Disordered immunologic regulation and autoimmunity. Birth Defects 14(5):197-207, 1978
- ANIMAL/ AUTOANTIBODIES, analysis/ \*AUTOIMMUNE DISEASES, immunology/ DNA, immunology/ FEMALE/ GENES, IMMUNE RESPONSE/ IGG, analysis/ IGM, analysis/ \*IMMUNITY, CELLULAR/ IMMUNOLOGIC DEFICIENCY SYNDROMES, immunology/ MALE/ MICE/ MICE, INBRED NZB/ MYASTHENIA GRAVIS, immunology/ RECEPTORS, CHOLINERGIC, immunology/ RECEPTORS, HORMONE, immunology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
980. Tatal N: Autoimmunity and the immunologic network. Arthritis Rheum 21(7):853-61, Sep-Oct 78
- ANIMAL/ ANTIBODIES/ \*AUTOANTIBODIES/ AUTOIMMUNE DISEASES, immunology/ CHRONIC DISEASE/ HEPATITIS B ANTIGENS/ HUMAN/ \*IMMUNITY/ IMMUNOGLOBULIN IDIOTYPES/ IMMUNOLOGIC MEMORY/ LYMPHOCYTES, immunology/ MICE/ RECEPTORS, HORMONE, immunology
981. Taleporos P, Salgo MP, Oster G: Teratogenic action of bis(dichloroacetyl)diamine on rats: patterns of malformations produced in high incidence at time-limited periods of development. Teratology 18(1):5-15, Aug 78
- \*ABNORMALITIES, DRUG-INDUCED, pathology/ ANIMAL/ CRYPTORCHISM, chemically induced/ DIAMINES, pharmacodynamics/ \*DIAMINES, toxicity/ DIAPHRAGMATIC HERNIA, chemically induced/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ \*FETUS, pathology/ GESTATIONAL AGE/ HEART SEPTAL DEFECTS, chemically induced/ MALE/ PREGNANCY/ RATS/ SPERMATOGENESIS BLOCKING AGENTS, pharmacodynamics/ SPERMATOGENESIS BLOCKING AGENTS, toxicity/ TERATOGENS/ THYMUS GLAND, abnormalities
982. Talwar GP: The present and future of immunologic approaches to contraception. Int J Gynaecol Obstet 15(5):410-4, 1978
- ANIMAL/ ANTIBODIES/ ANTIGENS/ AUTOANTIBODIES/ \*CONTRACEPTION, methods/ \*CONTRACEPTION, IMMUNOLOGIC, methods/ EMBRYO, immunology/ FEMALE/ FUTUROLOGY/ GENITALIA, MALE, immunology/ GONADOTROPINS, CHORIONIC, immunology/ HUMAN/ MALE/ OVARY, immunology/ PITUITARY HORMONE RELEASING HORMONES, immunology/ PLACENTAL HORMONES, immunology/ PREGNANCY/ \*VACCINES
983. Tamada T, Araki S, Konuma S, et al: [Regulatory mechanism of gonadotropin secretion (3). Negative feedback and biphasic effect of estrogens on gonadotropin] Horumon To Rinsho 26(1):57-66, Jan 78 (Jpn)
- ADULT/ ANIMAL/ CASTRATION/ \*ESTROGENS, physiology/ FEEDBACK/ FEMALE/ \*FSH, blood/ HUMAN/ \*LH, blood/ MIDDLE AGE/ PROGESTERONE, physiology/ RATS
984. Tamburrano G, Biserni A, Mariani A: Trattamento medico pre e post-operatorio nelle tiroideomie totali e subtotali. Ann Laringol 75(5-6):365-72, Sep-Dec 76 (Ita)
- CALCIUM, therapeutic use/ GOITER, surgery/ HUMAN/ HYPOPARATHYROIDISM, etiology/ \*HYPOPARATHYROIDISM, prevention & control/ HYPOTHYROIDISM, etiology/ \*HYPOTHYROIDISM, prevention & control/ POSTOPERATIVE CARE/ POSTOPERATIVE COMPLICATIONS/ PREOPERATIVE CARE/ RECURRENCE/ THYROID HORMONES, therapeutic use/ THYROID NEOPLASMS, surgery/ \*THYROIDECTOMY/ VITAMIN D, therapeutic use/ VOCAL CORD PARALYSIS, etiology
3985. TambyRaja RL, Lun KC: Plasma estradiol as a predictor of preterm labor. Int J Gynaecol Obstet 15(6):535-8, 1978
- \*ESTRADIOL, blood/ FALSE POSITIVE REACTIONS/ FEMALE/ GESTATIONAL AGE/ HUMAN/ \*LABOR, PREMATURE/ \*PREGNANCY/ REGRESSION ANALYSIS
3986. Tamir H, Rapport MM: Effects of neurotoxins in vitro on the binding of serotonin to serotonin-binding protein. Ann NY Acad Sci 305:85-95, 12 Jun 78
- ANIMAL/ BRAIN, metabolism/ \*CARRIER PROTEINS, metabolism/ \*DIHYDROXYTRYPTAMINES, pharmacodynamics/ GUINEA PIGS/ IN VITRO/ NERVE TISSUE PROTEINS, metabolism/ PROTEIN BINDING, drug effects/ RATS/ \*SEROTONIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VINBLASTINE, pharmacodynamics
3987. Tamura T, Osada E, Ueno K: [Effect of bupranolol hydrochloride (KL 255) on cyclic AMP level of aqueous humor, iris and ciliary body of albino rabbit (author's transl)] Nippon Ganka Gakkai Zasshi 82(7):517-21, 10 Jul 78 (Eng. Abstr.) (Jpn)
- \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ANIMAL/ AQUEOUS HUMOR, analysis/ \*AQUEOUS HUMOR, drug effects/ \*BUPRANOLOL, pharmacodynamics/ CILIARY BODY, analysis/ \*CILIARY BODY, drug effects/ ENGLISH ABSTRACT/ IN VITRO/ IRIS, analysis/ \*IRIS, drug effects/ \*PROPANOLAMINES, pharmacodynamics/ RABBITS
3988. Tan SY, Noth R, Mulrow PJ: Direct non-chromatographic radioimmunoassay of aldosterone: validation of a commercially available kit and observations on age-related changes in concentrations in plasma. Clin Chem 24(9):1531-3, Sep 78
- ADULT/ AGE FACTORS/ AGED/ \*ALDOSTERONE, blood/ CROSS REACTIONS/ HUMAN/ MIDDLE AGE/ RADIOIMMUNOASSAY, methods/ REAGENT KITS, DIAGNOSTIC
3989. Tanae A, Shimizu K, Yoshida S: [The treatment of patients with diabetes insipidus by a synthetic analogue of vasopressin, DDAVP (author's transl)] Nippon Naibunpi Gakkai Zasshi 54(5):676-91, 20 May 78 (Eng. Abstr.) (Jpn)
- ADMINISTRATION, INTRANASAL/ ADOLESCENCE/ ADULT/ \*ARGIPRESSIN, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ DESMOPRESSIN, administration & dosage/ DESMOPRESSIN, adverse effects/ \*DESMOPRESSIN, therapeutic use/ \*DIABETES INSIPIDUS, drug therapy/ DIABETES INSIPIDUS, urine/ DRUG ADMINISTRATION SCHEDULE/ DRUG EVALUATION/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE
3990. Tanaka H, Mori M, Kamio S, et al: [Hashimoto's intrathoracic goiter] Horumon To Rinsho 26(1):3-6, Jan 78 (Jpn)
- CASE REPORT/ \*GOITER, SUBSTERNAL/ HUMAN/ MALE/ MIDDLE AGE/ \*THYROIDITIS, LYMPHOMATOUS
3991. Tanaka Y, Shepard RA, DeLuca HF, et al: The 26-hydroxylation of 25-hydroxyvitamin D3 in vitro by chick renal homogenates. Biochem Biophys Res Commun 83(1):7-13, 14 Jul 78
- ANIMAL/ CHICKENS/ \*HYDROXYCHOLECALCIFEROLS, metabolism/ HYDROXYLATION/ KIDNEY, drug effects/ \*KIDNEY, metabolism/ PARATHYROID GLANDS, physiology/ TISSUE EXTRACTS, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VITAMIN D DEFICIENCY, metabolism



## AUTHOR SECTION

3992. Tancrede P, Deslauriers R, McGregor WH, et al: A carbon-13 nuclear magnetic resonance study of the molecular dynamics of methionine-enkephalin and alpha-endorphin in aqueous solution. *Biochemistry* 17(14):2905-14, 11 Jul 78  
\*ENDORPHINS/ \*ENKEPHALINS/ MOLECULAR MODELS/ NUCLEAR MAGNETIC RESONANCE/ PROTEIN CONFORMATION/ THERMODYNAMICS
3993. Tandon AK, Singh RH, Udupa KN: Plasma prostaglandins in essential hypertension and ischaemic heart disease. *Indian J Med Res* 67:490-2, Mar 78  
CHOLESTEROL, blood/ \*CORONARY DISEASE, blood/ HUMAN/ \*HYPERTENSION, blood/ \*PROSTAGLANDINS, blood
3994. Tang BY, Adams NR: Changes in oestradiol-17beta binding in the hypothalamic and pituitary glands of persistently infertile ewes previously exposed to oestrogenic subterranean clover: evidence of alterations to oestradiol receptors. *J Endocrinol* 78(2):171-7, Aug 78  
ANIMAL/ CASTRATION/ \*ESTRADIOL, metabolism/ FEMALE/ \*HYPOTHALAMUS, metabolism/ IN VITRO/ \*PITUITARY GLAND, metabolism/ PLANT GROWTH REGULATORS, poisoning/ \*RECEPTORS, ESTROGEN, metabolism/ SHEEP DISEASES, chemically induced/ \*SHEEP DISEASES, metabolism/ SHEEP/ STERILITY, FEMALE, chemically induced/ STERILITY, FEMALE, metabolism/ \*STERILITY, FEMALE, veterinary
3995. Tang LK: Sex difference in LH response to LHRH and DBcAMP and effect of testosterone. *Am J Physiol* 235(3):E291-4, Sep 78  
ANIMAL/ CELLS, CULTURED/ \*DIBUTYRYL CYCLIC AMP, pharmacodynamics/ FEMALE/ \*LH, biosynthesis/ LH, immunology/ \*LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ PITUITARY GLAND, ANTERIOR, metabolism/ RADIOIMMUNOASSAY/ RATS/ SEX FACTORS/ \*TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3996. Taracha E, Szukalski B, Zaluska M: Poziom kortyzolu w osoczach chorych na chorobę afektywną—korelacje z poziomem tryptofanu i kwasu 5-hydroksyindolooctowego. (Doniesienie wstępne). *Psychiatr Pol* 12(3):317-23, May-Jun 78 (Eng. Abstr.) (Pol)  
ADULT/ \*AFFECTIVE DISTURBANCES, blood/ DEPRESSION, blood/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYDROCORTISONE, blood/ \*HYDROXYINDOLEACETIC ACID, blood/ MALE/ MIDDLE AGE/ \*TRYPTOPHAN, blood
3997. Tască C, Secăreanu-Chelaru E, Budu S: The enteroendocrine cells during the normal development of the rat and in some human digestive diseases. *Endocrinologie* 16(3):209-12, Jul-Sep 78  
ADENOCARCINOMA, pathology/ AGE FACTORS/ ANIMAL/ \*CHROMAFFIN SYSTEM/ COLONIC NEOPLASMS, pathology/ DUODENAL ULCER, pathology/ \*ENTEROCHROMAFFIN CELLS/ GASTRIC MUCOSA, pathology/ \*GASTROINTESTINAL DISEASES, pathology/ \*GASTROINTESTINAL NEOPLASMS, pathology/ INTESTINAL MUCOSA, pathology/ \*INTESTINES, pathology/ RATS/ STOMACH NEOPLASMS, pathology/ STOMACH ULCER, pathology/ \*STOMACH, pathology
3998. Tashjian AH Jr: Role of prostaglandins in the production of hypercalcemia by tumors. *Cancer Res* 38(11 Pt 2):4138-41, Nov 78  
ANIMAL/ CELLS, CULTURED/ DISEASE MODELS, ANIMAL/ FIBROSARCOMA, complications/ HUMAN/ \*HYPERCALCEMIA, etiology/ MICE/ NEOPLASMS, EXPERIMENTAL, blood/ \*NEOPLASMS, EXPERIMENTAL, complications/ NEOPLASMS, EXPERIMENTAL, metabolism/ PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS E, blood/ \*PROSTAGLANDINS E, physiology/ RABBITS/ SARCOMA, EXPERIMENTAL, blood/ SARCOMA, EXPERIMENTAL, complications/ SARCOMA, EXPERIMENTAL, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
3999. Tashjian AH Jr, Ivey JL, Delclos B, et al: Stimulation of prostaglandin production in bone by phorbol diesters and melittin. *Prostaglandins* 16(2):221-32, Aug 78
- ANIMAL/ \*BEE VENOMS, pharmacodynamics/ \*BONE AND BONES, metabolism/ BONE RESORPTION, drug effects/ CALCIUM, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ INDOMETHACIN, pharmacodynamics/ MELITTIN, administration & dosage/ MELITTIN, antagonists & inhibitors/ \*MELITTIN, pharmacodynamics/ MORGAN CULTURE/ PHORBOL ESTERS, administration & dosage/ PHORBOL ESTERS, antagonists & inhibitors/ \*PHORBOL ESTERS, pharmacodynamics/ \*PHORBOL, pharmacodynamics/ \*PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4000. Tassin JP, Bockaert J, Blanc G, et al: Topographical distribution of dopaminergic innervation and dopamine receptors of the anterior cerebral cortex of the rat. *Brain Res* 154(2):241-51, 13 Oct 78  
ADENYL CYCLASE, metabolism/ ANIMAL/ \*CEREBRAL CORTEX, anatomy & histology/ CEREBRAL CORTEX, enzymology/ CORPUS STRIATUM, anatomy & histology/ CORPUS STRIATUM, enzymology/ DENERVATION/ \*DOPAMINE, metabolism/ MALE/ RATS/ \*RECEPTORS, DOPAMINE, metabolism/ TEGMENTUM MESENCEPHALI, physiology
4001. Tate CA, Bonner HW, Leslie SW: Calcium uptake in skeletal muscle mitochondria. I. The effects of chelating agents on the mitochondria from fatigued rats. *Eur J Appl Physiol* 39(2):111-6, 15 Aug 78  
ANIMAL/ CALCIUM RADIOISOTOPES, diagnostic use/ \*CALCIUM, metabolism/ \*ETHYLENE GLYCOLS, pharmacodynamics/ \*EXERTION/ \*EDTA, pharmacodynamics/ \*EGTA, pharmacodynamics/ FATIGUE, metabolism/ FEMALE/ IN VITRO/ MAGNESIUM, metabolism/ MITOCHONDRIA, MUSCLE, drug effects/ \*MITOCHONDRIA, MUSCLE, metabolism/ RATS
4002. Tate CA, Bonner HW, Leslie SW: Calcium uptake in skeletal muscle mitochondria. II. The effects of long-term chronic and acute exercise. *Eur J Appl Physiol* 39(2):117-22, 15 Aug 78  
ADAPTATION, PHYSIOLOGICAL/ ANIMAL/ BODY WEIGHT/ CALCIUM RADIOISOTOPES, diagnostic use/ \*CALCIUM, metabolism/ \*EXERTION/ FATIGUE, metabolism/ FEMALE/ LACTATES, blood/ MAGNESIUM, metabolism/ \*MITOCHONDRIA, MUSCLE, metabolism/ PHYSICAL EDUCATION AND TRAINING/ RATS/ TIME FACTORS
4003. Tawil E, Levasseur A, Monfette G: Valeur de la lymphographie isotopique dans l'investigation des cancers urologiques. Implications thérapeutiques. *Union Med Can* 107(9):81-8, Sep 78 (Eng. Abstr.)  
BLADDER NEOPLASMS, radiography/ BLADDER NEOPLASMS, radionuclide imaging/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ LYMPHATIC METASTASIS/ \*LYMPHOGRAPHY/ MALE/ PROSTATIC NEOPLASMS, radiography/ PROSTATIC NEOPLASMS, radionuclide imaging/ TESTICULAR NEOPLASMS, radiography/ TESTICULAR NEOPLASMS, radionuclide imaging/ UROGENITAL NEOPLASMS, radiography/ \*UROGENITAL NEOPLASMS, radionuclide imaging/ UROGENITAL NEOPLASMS, therapy
4004. Taylor KJ, Sullivan DC, Wasson JF, et al: Ultrasound gallium for the diagnosis of abdominal and pelvic abscesses. *Gastrointest Radiol* 3(3):281-6, 31 Aug 78  
\*ABDOMEN/ \*ABSCCESS, diagnosis/ ABSCESS, radionuclide imaging/ ADULT/ ASCITES, diagnosis/ CASE REPORT/ CHILD/ FALSE NEGATIVE REACTIONS/ FALSE POSITIVE REACTIONS/ FEMALE/ GALLIUM RADIOISOTOPES/ HUMAN/ MALE/ OVARIAN CYSTS, diagnosis/ \*PELVIS/ SUBPHRENIC ABSCESS, diagnosis/ \*ULTRASONICS, diagnostic use
4005. Taylor WL, Dixon JE: Characterization of a pyroglutamate aminopeptidase from rat serum that degrades thyrotropin-releasing hormone. *J Biol Chem* 253(19):6934-40, 10 Oct 78  
\*AMINOPEPTIDASES, blood/ ANIMAL/ KINETICS/ MOLECULAR WEIGHT/ \*PYROGLUTAMATE AMINOPEPTIDASE, blood



# AUTHOR SECTION

- PYROGLUTAMATE AMINOPEPTIDASE, isolation & purification/ RATS/ STRUCTURE-ACTIVITY RELATIONSHIP/ \*THYROTROPIN RELEASING HORMONE/ UNITED STATES GOV'T SUPPORTED, P.H.S.
006. Teicher BA, Shikita M, Talalay P: Effects of adrenal steroid activator protein on the conversion of various 20- and 22-hydroxycholesterols to pregnenolone by adrenal mitochondrial enzymes. *Biochem Biophys Res Commun* 83(4):1436-41, 29 Aug 78  
\*ADRENAL CORTEX, metabolism/ \*CARRIER PROTEINS, pharmacodynamics/ CHOLESTEROL, metabolism/ \*HYDROXYCHOLESTEROLS, metabolism/ MITOCHONDRIA, metabolism/ \*PREGNENOLONE, biosynthesis/ STIMULATION, CHEMICAL/ UNITED STATES GOV'T SUPPORTED, P.H.S.
007. Tell GP, Haour F, Saez JM: Hormonal regulation of membrane receptors and cell responsiveness: a review. *Metabolism* 27(10):1566-92, Oct 78  
ACETYLCHOLINE, physiology/ ANIMAL/ CALCITONIN, physiology/ \*CELLS, physiology/ CORTICOTROPIN, physiology/ FEMALE/ GLUCAGON, physiology/ \*HORMONES, physiology/ HUMAN/ MALE/ MSH, physiology/ PARATHYROID HORMONE, physiology/ PREGNANCY/ PROLACTIN, physiology/ RECEPTORS, ADRENERGIC, physiology/ RECEPTORS, ANGIOTENSIN, physiology/ RECEPTORS, CHOLINERGIC, physiology/ \*RECEPTORS, HORMONE, physiology/ RECEPTORS, INSULIN, physiology/ RECEPTORS, PROSTAGLANDIN, physiology/ SOMATOTROPIN, physiology/ THYROTROPIN RELEASING HORMONE, physiology/ THYROTROPIN, physiology/ VASOPRESSINS, physiology
008. Templier J, Maudouyt MA, Charpentreau M, et al: Effets de faibles doses de rayonnement gamma sur la gestation de la souris. *C R Soc Biol (Paris)* 172(1):177-80, 1978 (Eng. Abstr.) (Fre)  
ANIMAL/ CORPUS LUTEUM, radiation effects/ EMBRYO/ ENGLISH ABSTRACT/ FEMALE/ FETUS/ \*GAMMA RAYS/ MICE/ OVARY, radiation effects/ PREGNANCY/ \*PREGNANCY, ANIMAL, radiation effects/ \*RADIATION, IONIZING
009. Tenner TE, McNeill JH: Characterization of histamine H1-receptors in the guinea pig left atrium. *Proc West Pharmacol Soc* 21:103-5, 1978  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ FEMALE/ GUINEA PIGS/ \*HEART, drug effects/ HISTAMINE, pharmacodynamics/ IN VITRO/ ISOPROTERENOL, pharmacodynamics/ MALE/ MYOCARDIAL CONTRACTION, drug effects/ \*RECEPTORS, HISTAMINE H1, drug effects/ \*RECEPTORS, HISTAMINE, drug effects
010. Tenner TE, McNeill JH: The role of histamine H1- AND H2-receptors in the guinea pig heart. *Proc West Pharmacol Soc* 21:107-10, 1978 (13 ref.)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CORONARY CIRCULATION, drug effects/ ELECTROCARDIOGRAPHY/ GUINEA PIGS/ HEART RATE, drug effects/ \*HEART, drug effects/ IN VITRO/ MYOCARDIAL CONTRACTION, drug effects/ MYOCARDIUM, metabolism/ RECEPTORS, HISTAMINE H1, physiology/ RECEPTORS, HISTAMINE H2, drug effects/ \*RECEPTORS, HISTAMINE H2, physiology/ \*RECEPTORS, HISTAMINE, physiology/ REVIEW
011. Terezhalmay GT, Feltman R, Bottomley WK: Initial evidence of primary hyperparathyroidism presenting in the mouth: a case report. *J Oral Med* 33(1):4-8, Jan-Mar 78  
\*ADENOMA, pathology/ ADULT/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ \*HYPERPARATHYROIDISM, pathology/ \*MANDIBULAR NEOPLASMS, pathology/ \*MEDIASTINAL NEOPLASMS, pathology/ ORAL MANIFESTATIONS/ \*PARATHYROID NEOPLASMS, pathology
012. Terlizzi N, Martiradonna A, Carrozzo M: Variazioni del bilancio calcico in soggetti normali, osteoporotici e malacici trattati con vitamina D2. *Reumatismo* 29(2-3):191-5, Apr-Sep 77 (Eng. Abstr.) (Ita)  
ADMINISTRATION, ORAL/ ADULT/ AGED/ \*CALCIUM, metabolism/ CALCIUM, therapeutic use/ DRUG EVALUATION/ ENGLISH ABSTRACT/ ERGOCALCIFEROL, administration & dosage/ \*ERGOCALCIFEROL, therapeutic use/ HUMAN/ INTESTINAL ABSORPTION/ MIDDLE AGE/ \*OSTEOMALACIA, drug therapy/ OSTEOMALACIA, metabolism/ \*OSTEOPOROSIS, drug therapy/ OSTEOPOROSIS, metabolism
4013. Terlou M, Ekengren B, Hiemstra K: Localization of monoamines in the forebrain of two salmonid species, with special reference to the hypothalamo-hypophysial system. *Cell Tissue Res* 190(3):417-34, 10 Jul 78  
ANIMAL/ \*BRAIN, anatomy & histology/ \*DOPAMINE, analysis/ FEMALE/ HISTOCYTOCHEMISTRY/ \*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, anatomy & histology/ MALE/ MODELS, NEUROLOGICAL/ \*NERVE FIBERS, analysis/ \*SALMON, anatomy & histology/ \*SALMONIDAE, anatomy & histology/ \*SEROTONIN, analysis/ SPECIES SPECIFICITY/ \*TROUT, anatomy & histology
4014. Terrioux C, Crépin M, Gros F, et al: Effect of 5'-deoxy-5'-S-isobutyl-adenosine (SIBA) on mouse mammary tumour cells and on the expression of mouse mammary tumour virus. *Biochem Biophys Res Commun* 83(2):673-8, 28 Jul 78  
CELL LINE/ \*DEOXYADENOSINE, analogs & derivatives/ DEOXYADENOSINE, pharmacodynamics/ DEXAMETHASONE, pharmacodynamics/ KINETICS/ \*MAMMARY CANCER VIRUS, metabolism/ MAMMARY NEOPLASMS, EXPERIMENTAL/ REVERSE TRANSCRIPTASE, metabolism/ S-ADENOSYLHOMOCYSTEINE, pharmacodynamics/ \*THIONUCLEOSIDES, pharmacodynamics/ VIRUS REPLICATION, drug effects
4015. Terry LC, Martin JB: Hypothalamic-pituitary responses to intracranial self-stimulation in the rat. *Brain Res* 157(1):89-104, 17 Nov 78  
ANIMAL/ CORTICOSTERONE, blood/ \*HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ MALE/ MEDIAN FOREBRAIN BUNDLE, physiology/ NEURAL PATHWAYS, physiology/ NEUROSECRETION/ PROLACTIN, blood/ RATS/ REWARD/ \*SELF STIMULATION, physiology/ SOMATOTROPIN, blood
4016. Tessel RE, Kennedy LE, Burgess SK, et al: Epinephrine in rat hypothalamus: antagonism by desipramine of 6-hydroxydopamine-induced depletion. *Brain Res* 153(3):615-7, 29 Sep 78  
ANIMAL/ \*DESIPRAMINE, pharmacodynamics/ DOPAMINE, metabolism/ \*EPINEPHRINE, metabolism/ \*HYDROXYDOPAMINE, antagonists & inhibitors/ HYDROXYDOPAMINE, pharmacodynamics/ HYPOTHALAMUS, drug effects/ \*HYPOTHALAMUS, enzymology/ INJECTIONS, INTRAVENTRICULAR/ MALE/ NOREPINEPHRINE, metabolism/ PHENETHANOLAMINE N-METHYLTRANSFERASE, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4017. Tevaarwerk GJ, Malik MH, Boyd D: Preliminary report on the use of propranolol in thyrotoxicosis: I. Effect on serum thyroxine, triiodothyronine and reverse triiodothyronine concentrations. *Can Med Assoc J* 119(4):350-1, 360, 26 Aug 78  
ADULT/ AGED/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ \*HYPERTHYROIDISM, drug therapy/ MALE/ MIDDLE AGE/ \*PROPRANOLOL, therapeutic use/ THYROXINE, blood/ TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, REVERSE, blood
4018. Thakur AN, Vaze AY, Dattatreya Murty B, et al: Isolation & characterization of inhibin from human seminal plasma. *Indian J Exp Biol* 16(7):854-6, Jul 78  
ANIMAL/ ANTIGEN-ANTIBODY REACTIONS/ CATTLE/ HUMAN/ \*LH-FSH RELEASING HORMONE, antagonists & inhibitors/ MALE/ RATS/ \*SEMEN, analysis/ \*TESTICULAR HORMONES, isolation & purification



# AUTHOR SECTION

4019. Thal LJ, Makman MH, Ahn HS, et al: 3H-Spiroperidol binding and dopamine-stimulated adenylate cyclase: evidence for multiple classes of receptors in primate brain regions. *Life Sci* 23(6):629-33, 14 Aug 78  
\*ADENYL CYCLASE, metabolism/ ANIMAL/  
BINDING, COMPETITIVE/ \*BRAIN, metabolism/  
\*BUTYROPHENONES, metabolism/ CAUDATE  
NUCLEUS, metabolism/ \*DOPAMINE, physiology/  
FRONTAL LOBE, metabolism/ IN VITRO/ LIMBIC  
SYSTEM, metabolism/ MONKEYS/ RECEPTORS,  
DOPAMINE, classification/ \*RECEPTORS,  
DOPAMINE, metabolism/ RHESUS MONKEYS/  
\*SPIPERONE, metabolism
4020. Thanavala YM, Hay FC: Modification of the Farr assay using ethanol-ammonium acetate precipitation and its application to the measurement of affinity of anti-HCG produced in several species. *J Immunol Methods* 23(1-2):51-8, 1978  
ALCOHOL, ETHYL/ AMMONIUM COMPOUNDS/  
ANIMAL/ \*ANTIBODY AFFINITY/ ANTIBODY  
FORMATION/ \*BINDING SITES, ANTIBODY/  
\*GONADOTROPINS, CHORIONIC, immunology/  
METHODS/ PRECIPITATION/ SPECIES  
SPECIFICITY
4021. Thandroyen FT, Matisonn RE, Weir EK: Severe aortic incompetence caused by systemic lupus erythematosus. A case report. *S Afr Med J* 54(4):166-8, 22 Jul 78  
ADRENAL CORTEX HORMONES, therapeutic use/  
ADULT/ \*AORTIC VALVE INSUFFICIENCY,  
etiology/ AORTIC VALVE, transplantation/ CASE  
REPORT/ HUMAN/ \*LUPUS ERYTHEMATOSUS,  
SYSTEMIC, complications/ MALE
4022. Thanki KH, Beach TA, Dickerman HW: Selective binding of mouse estradiol receptor complexes to oligo(dT)-cellulose. *J Biol Chem* 253(21):7744-50, 10 Nov 78  
ANIMAL/ CELLULOSE/ CYTOSOL, metabolism/  
\*ESTRADIOL, metabolism/ FEMALE/ KIDNEY,  
metabolism/ KINETICS/ MALE/ MICE/  
OLIGODEOXYRIBONUCLEOTIDES/ PROTEIN  
BINDING/ \*RECEPTORS, ESTROGEN,  
metabolism/ THYMIDINE MONOPHOSPHATE/  
UNITED STATES GOV'T SUPPORTED, P.H.S./  
UTERUS, metabolism
4023. Theodosis DT, Burlet C, Boudier JL, et al: Morphology of membrane changes during neurohypophyseal hormone release in a hibernating rodent. *Brain Res* 154(2):371-6, 13 Oct 78  
ANIMAL/ AROUSAL, physiology/ AXONS,  
ultrastructure/ \*CELL MEMBRANE, ultrastructure/  
CYTOPLASMIC GRANULES, ultrastructure/  
EXOCYTOSIS/ FREEZE FRACTURING/  
\*HIBERNATION/ MICE/ NEUROSECRETION/  
\*OXYTOCIN, secretion/ \*PITUITARY GLAND,  
POSTERIOR, secretion/ PITUITARY GLAND,  
POSTERIOR, ultrastructure/ \*VASOPRESSINS,  
secretion
4024. Theodosis DT, Dreifuss JJ, Orci L: A freeze-fracture study of membrane events during neurohypophyseal secretion. *J Cell Biol* 78(2):542-53, Aug 78  
ANIMAL/ \*AXONS, ultrastructure/ CELL  
MEMBRANE, ultrastructure/ CYTOPLASMIC  
GRANULES, ultrastructure/ ENDOCYTOSIS/  
EXOCYTOSIS/ FREEZE FRACTURING/ MALE/  
\*NEUROSECRETION/ PITUITARY GLAND,  
POSTERIOR, secretion/ PITUITARY GLAND,  
POSTERIOR, ultrastructure/ RATS
4025. Thiagarajan D, Wongsurawat N: Systemic lupus erythematosus associated with adrenal insufficiency. *J Kans Med Soc* 79(10):565-6, Oct 78  
\*ADRENAL GLAND HYPOFUNCTION,  
complications/ CASE REPORT/ HUMAN/ \*LUPUS  
ERYTHEMATOSUS, SYSTEMIC, complications/  
MALE/ MIDDLE AGE
4026. Thibier M, Chantarapateep P: Effets du propionate de testostérone sur les concentrations de LH et de testostérone avant et après l'injection de gonadolibérine chez de jeunes taureaux préalablement traités par la dexaméthasone. *C R Acad Sci [D] (Paris)* 286(24):1803-6, 19 Jun 78 (Eng. Abstr.)  
ANIMAL/ CATTLE/ \*DEXAMETHASONE,  
pharmacodynamics/ ENGLISH ABSTRACT/ \*LH,  
blood/ \*LH-FSH RELEASING HORMONE,  
pharmacodynamics/ MALE/ \*PITUITARY GLAND,  
ANTERIOR, drug effects/ \*TESTOSTERONE,  
analogs & derivatives/ \*TESTOSTERONE, blood/  
TESTOSTERONE, pharmacodynamics/ TIME  
FACTORS
4027. Thibier M, Goupil FL, Jeanguyot N, et al: Hyena diso: cattle: lutropin, oestradiol-17 beta, testosterone, proge and 17-hydroxyprogesterone peripheral plasma concentrations. *Br Vet J* 134(5):462-8, Sep-Oct 78  
ANIMAL/ \*CATTLE DISEASES, blood/ CAT  
ESTRADIOL, blood/ FEMALE/ GROWTH  
DISORDERS, blood/ \*GROWTH DISORDER  
veterinary/ HYDROXYPROGESTERONES, bl  
LH, blood/ PROGESTERONE, blood/  
TESTOSTERONE, blood
4028. Thier SO: Renal insufficiency and hypercalcemia. *Kidney Int* 14(2):194-200, Aug 78  
ADOLESCENCE/ ADULT/ CASE REPORT/  
CHILD/ EDEMA, complications/ FEMALE/  
GLOMERULONEPHRITIS, complications/  
HUMAN/ \*HYPERCALCEMIA, complications/  
\*HYPERPARATHYROIDISM, complications/  
HYPERPLASIA/ \*KIDNEY FAILURE, CHRO  
complications/ NEPHROCALCINOSIS,  
complications/ NEPHROCALCINOSIS, radiogr  
NEPHROTIC SYNDROME, complications/  
PARATHYROID GLANDS, pathology/  
PARATHYROID GLANDS, surgery/  
PHOSPHATES, blood/ PROTEINURIA,  
complications
4029. Thierry M, De Gezelle H, Van Kets H, et al: Extra-am oestrogens for the unfavourable cervix [letter] *Lancet* 2(8094):835-6, 14 Oct 78  
CELLULOSE, administration & dosage/ \*CERV  
UTERI, drug effects/ COMPARATIVE STUD  
\*ESTRADIOL, administration & dosage/ \*EST  
administration & dosage/ EXCIPIENTS, administ  
& dosage/ FEMALE/ HUMAN/ \*LABOR,  
INDUCED/ PREGNANCY/ \*PREMEDICATI
4030. Thiessen MM, Batsakis JG, Neuhoft J, et al: Indirect me of assessing thyroid function. Protein-bound iodine a thyroxine by column chromatography, a 1976 CAP st *Am J Clin Pathol* 70(3 Suppl):511-2, Sep 78  
\*CHROMATOGRAPHY, methods/ EVALUAT  
STUDIES/ HUMAN/ PATHOLOGY/  
\*PROTEIN-BOUND IODINE TEST, methods/  
SOCIETIES, MEDICAL/ \*TECHNOLOGY,  
MEDICAL, standards/ \*THYROXINE, blood/  
UNITED STATES
4031. Thomas CM, van den Berg RJ, de Koning Gans HJ, e Radioimmunoassays for prostaglandins. II. Measurem prostaglandin E2 and the 13,14-dihydro-15-keto metab of the E and F series. Description of a reliable tech with a universal applicability. *Prostaglandins* 15(5):844 May 78  
HUMAN/ METHODS/ \*PROSTAGLANDINS  
blood/ \*PROSTAGLANDINS F, blood/  
PROSTAGLANDINS, blood/  
RADIOIMMUNOASSAY
4032. Thomas DB: Role of exogenous female hormones in alt the risk of benign and malignant neoplasms in human *Cancer Res* 38(11 Pt 2):3991-4000, Nov 78 (ref.)  
\*ADENOCARCINOMA, chemically induced/  
ADOLESCENCE/ ADULT/ AGED/ \*BREAS  
NEOPLASMS, etiology/ \*CERVIX DYSPLASI  
etiology/ \*CERVIX NEOPLASMS, chemically  
induced/ \*CERVIX NEOPLASMS, etiology/  
CONTRACEPTIVES, ORAL, adverse effects/  
DIETHYLSTILBESTROL, adverse effects/  
\*ESTROGENS, SYNTHETIC, adverse effects/  
FEMALE/ \*HEPATOMA, etiology/ HUMAN/  
\*LIVER NEOPLASMS, etiology/  
MATERNAL-FETAL EXCHANGE/ MIDDLE  
AGE/ \*OVARIAN NEOPLASMS, etiology/  
PREGNANCY/ REVIEW/ RISK/ \*UTERINE  
NEOPLASMS, chemically induced/ \*VAGINAL  
NEOPLASMS, chemically induced
4033. Thomas DS, Hossack JA, Rose AH: Plasma-membrane composition and ethanol tolerance in *Saccharomyces cerevisiae*. *Arch Microbiol* 117(3):239-45, 26 Jun 78  
\*ALCOHOL, ETHYL, pharmacodynamics/  
ANAEROBIOSIS/ CHOLESTEROL, metabolism  
COMPARATIVE STUDY/ DRUG RESISTANC  
MICROBIAL/ ERGOSTEROL, metabolism/  
LINOLEIC ACIDS, metabolism/ \*MEMBRANE  
LIPIDS, metabolism/ OLEIC ACIDS, metabolism  
SACCHAROMYCES CEREVISIAE, drug effects



# AUTHOR SECTION

- \*SACCHAROMYCES CEREVISIAE, metabolism
4034. Thomas DW, Mayer J: Meal size as a determinant of food intake in normal and hypothalamic obese rats. *Physiol Behav* 21(1):113-7, Jul 78  
ANIMAL/ BODY WEIGHT/ CALORIC INTAKE/  
\*DIET/ \*FEEDING BEHAVIOR, physiology/  
FEMALE/ \*HYPOTHALAMUS, physiology/  
\*HYPOTHALAMUS, MEDIAL, physiology/  
\*OBESITY, etiology/ RATS/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
4035. Thomas TN, Clement-Cormier YC, Redhurn DA: Uptake and release of [3H]dopamine and dopamine-sensitive adenylate cyclase activity in retinal synaptosomal fractions. *Brain Res* 155(2):391-6, 27 Oct 78  
\*ADENYL CYCLASE, metabolism/ ANIMAL/ CELL  
FRACTIONATION/ \*DOPAMINE, metabolism/  
ELECTROLYTES, metabolism/ MALE/  
PHOTORECEPTORS, enzymology/ RABBITS/  
RECEPTORS, DOPAMINE, metabolism/ \*RETINA,  
enzymology/ \*SYNAPTOSOMES, enzymology/  
TRITITIUM/ UNITED STATES GOV'T SUPPORTED,  
P.H.S.
4036. Thommesen P, Frederiksen P, Löwhagen T, et al: Needle aspiration biopsy in the diagnosis of lytic bone lesions in histiocytosis X, Ewing's sarcoma and neuroblastoma. *Acta Radiol Oncol Radiat Phys Biol* 17(2):145-9, 1978  
ADOLESCENCE/ BIOPSY, NEEDLE/ \*BONE  
AND BONES, pathology/ \*BONE NEOPLASMS,  
pathology/ CHILD/ CHILD, PRESCHOOL/  
DIAGNOSIS, DIFFERENTIAL/ FEMALE/  
\*HISTIOCYTOSIS X, pathology/ HUMAN/  
INFANT/ MALE/ NEOPLASM METASTASIS/  
\*NEUROBLASTOMA, pathology/ \*SARCOMA,  
EWING'S, pathology
4037. Thompson P Jr, Strum D, Boehm T, et al: Abnormalities of liver function tests in tyrotoxicosis. *Milit Med* 143(8):548-51, Aug 78  
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/  
\*HYPERTHYROIDISM, physiopathology/ \*LIVER  
FUNCTION TESTS/ MALE/ MIDDLE AGE
4038. Thompson S: Why it is right for family planning nurses to prescribe the pill. *Nurs Mirror* 147(16):9, 19 Oct 78  
\*CONTRACEPTIVES, ORAL/ ETHICS, NURSING/  
\*FAMILY PLANNING/ FEMALE/ GREAT  
BRITAIN/ HUMAN/ JURISPRUDENCE/  
MIDWIFERY/ \*PUBLIC HEALTH NURSING
4039. Thomson JE, Baird SG, Beastall GH, et al: The effect of intravenous heparin infusions on the thyroid stimulating hormone response to thyrotrophin releasing hormone. *Br J Clin Pharmacol* 6(3):239-42, Sep 78  
HEPARIN, administration & dosage/ \*HEPARIN,  
pharmacodynamics/ HUMAN/ INFUSIONS,  
PARENTERAL/ \*THYROTROPIN RELEASING  
HORMONE, pharmacodynamics/ \*THYROTROPIN,  
metabolism/ TIME FACTORS/ WARFARIN,  
pharmacodynamics
4040. Thorn NA, Russell JT, Torp-Pedersen C, et al: Calcium and neurosecretion. *Ann NY Acad Sci* 307:618-39, 28 Apr 78 (72 ref.)  
ACTOMYOSIN, isolation & purification/  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
physiology/ ADENOSINE TRIPHOSPHATE,  
pharmacodynamics/ ANIMAL/ BINDING SITES/  
BIOLOGICAL TRANSPORT, ACTIVE, drug effects/  
BRAIN, metabolism/ \*CALCIUM, physiology/  
CARRIER PROTEINS, metabolism/ CELL  
MEMBRANE, physiology/ COMPARATIVE  
STUDY/ EXOCYTOSIS/ GUANOSINE  
CYCLIC-3',5'-MONOPHOSPHATE, physiology/ IN  
VITRO/ ION CHANNELS, drug effects/  
IONOPHORES, pharmacodynamics/ MAGNESIUM,  
pharmacodynamics/ MEMBRANE PROTEINS,  
metabolism/ MEMBRANES, physiology/  
\*NEUROSECRETION/ NEUROSECRETION, drug  
effects/ PITUITARY GLAND, POSTERIOR,  
physiology/ REVIEW/ SODIUM, pharmacodynamics/  
SUBCELLULAR FRACTIONS, drug effects/  
2',3'-CYCLIC NUCLEOTIDE  
PHOSPHODIESTERASE, metabolism
4041. Thorne ET, Morton JK: Brucellosis in elk. II. Clinical effects and means of transmission as determined through artificial infections. *J Wildl Dis* 14(3):280-91, Jul 78  
ABORTION, VETERINARY, microbiology/  
ANIMAL/ ANIMALS, NEWBORN/ BRUCELLA  
ABORTUS, isolation & purification/ BRUCELLOSIS,  
microbiology/ BRUCELLOSIS, transmission/  
\*BRUCELLOSIS, veterinary/ CARRIER STATE,  
microbiology/ CARRIER STATE, veterinary/  
\*DEER/ FEMALE/ MALE/ MATERNAL-FETAL  
EXCHANGE/ PREGNANCY/ TESTIS, microbiology
4042. Thurner J: Zur Morphologie und Histogenese der Adenomatoidtumoren der Genitalorgane. (Mit Fallbericht bei Schwangerschaft). *Wien Med Wochenschr* 128(15):482-8, 15 Aug 78 (Ger)  
\*ADENOMA, pathology/ ADULT/ CASE REPORT/  
DECIDUA, pathology/ EPIDIDYMIS, pathology/  
FALLOPIAN TUBE NEOPLASMS, pathology/  
FEMALE/ \*GENITAL NEOPLASMS, FEMALE,  
pathology/ \*GENITAL NEOPLASMS, MALE,  
pathology/ HUMAN/ MALE/ MULLERIAN  
DUCTS, pathology/ PREGNANCY  
COMPLICATIONS/ PREGNANCY/ TERATOID  
TUMOR, pathology/ TESTICULAR NEOPLASMS,  
pathology
4043. Tigranian RA, Ushakov AS: Peculiar characteristics of crewmembers' metabolism on the second expedition aboard orbital station Salyut-4. *Aviat Space Environ Med* 49(9):1074-9, Sep 78  
ADULT/ CARBOHYDRATES, metabolism/  
\*ENERGY METABOLISM/ ENZYMES, metabolism/  
HORMONES, metabolism/ HUMAN/ MALE/  
PROTEINS, metabolism/ \*SPACE FLIGHT/ USSR
4044. Tikkanen MJ, Ekholm P: Kliinis-patologinen kokousselostus LIII. Hyperkalsemia ja maksan maligni ohutneulabiopsialöydös. *Duodecim* 94(17):1059-70, 1978 (Fin)  
AGED/ CASE REPORT/ DIAGNOSIS,  
DIFFERENTIAL/ FEMALE/ HUMAN/  
\*HYPERCALCEMIA, pathology/ \*LIVER  
NEOPLASMS, pathology/ LIVER, pathology/  
NEOPLASM METASTASIS/ NEOPLASMS,  
MULTIPLE PRIMARY/ PANCREAS, pathology/  
\*PANCREATIC NEOPLASMS, pathology
4045. Tilz GP, Vollmann H, Lanzer G, et al: Indikationen und Anwendung der therapeutischen Komponentenseparation. *Med Klin* 73(39):1351-5, 29 Sep 78 (Eng. Abstr.) (Ger)  
ANTIGEN-ANTIBODY COMPLEX/ BLOOD  
VISCOSITY/ \*CELL SEPARATION,  
instrumentation/ ENGLISH ABSTRACT/ HUMAN/  
\*HYPERGAMMAGLOBULINEMIA, therapy/  
HYPERTHYROIDISM, therapy/ LEUKEMIA,  
therapy/ \*LUPUS ERYTHEMATOSUS, SYSTEMIC,  
therapy
4046. Timoshin SS, Murzina NB: Vliianie khronicheskogo pirogenalovogo stressa na mitoticheski rezhim i kolichestvo DNK-sinteziruuschchikh kletok v epitelii rogovitsy i iazyka u belykh krys. *Biull Eksp Biol Med* 86(8):248-50, Aug 78 (Eng. Abstr.) (Rus)  
ANIMAL/ CELL NUMBER/ COMPARATIVE  
STUDY/ \*CORNEA, pathology/ \*DNA, biosynthesis/  
ENGLISH ABSTRACT/ MALE/ \*MITOSIS/  
ORGAN SPECIFICITY/ PYROGENS/ RATS/  
STRESS, chemically induced/ STRESS, metabolism/  
\*STRESS, pathology/ \*TONGUE, pathology/  
11-HYDROXYCORTICOSTEROIDS, blood
4047. Tischler AS: Small cell carcinoma of the lung: cellular origin and relationship to other neoplasms. *Semin Oncol* 5(3):244-52, Sep 78 (79 ref.)  
\*APUD CELLS, pathology/ APUD CELLS, secretion/  
\*CARCINOMA, OAT CELL, etiology/  
CARCINOMA, OAT CELL, pathology/  
CARCINOMA, OAT CELL, secretion/ HORMONES,  
ECTOPIC, secretion/ HUMAN/ \*LUNG  
NEOPLASMS, etiology/ LUNG NEOPLASMS,  
pathology/ LUNG NEOPLASMS, secretion/ REVIEW
4048. Tiurin EI: O rentgenologicheskoy raspoznavanii simptomaticheskikh gipertonii. *Soobshchenie 1. Metodika issledovaniia. Vestn Rentgenol Radiol* (4):20-7, Jul-Aug 78 (Eng. Abstr.) (Rus)  
ABDOMEN, radiography/ ADRENAL GLANDS,  
radiography/ ADULT/ AORTA, ABDOMINAL,  
radiography/ AORTOGRAPHY/ BRAIN,  
radiography/ ENGLISH ABSTRACT/ FEMALE/  
HUMAN/ \*HYPERTENSION, diagnosis/ KIDNEY,  
radiography/ KIDNEY, radionuclide imaging/ MALE/  
METHODS/ THORACIC RADIOGRAPHY/  
UROGRAPHY/ XERORADIOGRAPHY



## AUTHOR SECTION

4049. Toba K, Katagiri T, Takeyama Y: Studies of the cardiac sarcoplasmic reticulum in myocardial infarction. *Jpn Circ J* 42(4):447-53, Apr 78  
ADENOSINE TRIPHOSPHATASE, metabolism/  
ANIMAL/ CALCIUM, metabolism/ DOGS/ IN  
VITRO/ MAGNESIUM, metabolism/  
MYOCARDIAL INFARCTION, metabolism/  
MYOCARDIUM, metabolism/ \*SARCOPLASMIC  
RETICULUM, metabolism
4050. Tobias PV: Reflections on anatomy and physical anthropology. *S Afr Med J* 53(26):1066-71, 24 Jun 78  
\*ANATOMY/ ANATOMY, education/ ANATOMY,  
history/ \*ANTHROPOLOGY, PHYSICAL/ ANATOMY,  
ANTHROPOLOGY, PHYSICAL, history/  
ANTHROPOMETRY/ BODY HEIGHT/ CHILD/  
CHILD, PRESCHOOL/ FORENSIC MEDICINE/  
GROWTH/ HISTORICAL ARTICLE/ HISTORY OF  
MEDICINE, ANCIENT/ HISTORY OF MEDICINE,  
MODERN/ HORMONES, genetics/ HUMAN/  
NEGROID RACE/ OCCIPITAL BONE, growth &  
development/ PALEONTOLOGY/ SEX FACTORS/  
SOMATOTYPES/ SOUTH AFRICA
4051. Tobler I, Borbély AA: Short light-dark cycles and paradoxical sleep in the rat: effect of strain difference and hypophysectomy. *Behav Biol* 23(3):395-8, Jul 78  
ANIMAL/ \*CIRCADIAN RHYTHM/  
HYPOPHYSECTOMY/ MALE/ PHOTIC  
STIMULATION, methods/ \*PITUITARY GLAND,  
physiology/ RATS/ \*SLEEP, REM, physiology/  
SPECIES SPECIFICITY
4052. Tochilin VI, Samsonov VP: Rak shchitovidnoi zhelezy v éndemicheskom ochage. *Vestn Khir* 121(9):39-42, Sep 78 (Eng. Abstr.) (Rus)  
ADOLESCENCE/ ADULT/ AGED/ CASE  
REPORT/ CHILD/ \*DISEASE RESERVOIRS/  
ENGLISH ABSTRACT/ FEMALE/ GOITER,  
ENDEMIC, complications/ HUMAN/ MALE/  
MIDDLE AGE/ RUSSIAN FEDERATION (ASIA)/  
THYROID NEOPLASMS, etiology/ \*THYROID  
NEOPLASMS, occurrence/ THYROID  
NEOPLASMS, surgery/ THYROIDECTOMY
4053. Toddywalla VS, Virkar KD: Antithrombin III levels in Indian women during pregnancy, post-partum and intake of oral contraceptives. *J Obstet Gynaecol India* 28(1):52-4, Feb 78  
\*ANTI THROMBIN III/ \*CONTRACEPTIVES,  
ORAL, therapeutic use/ DRUG THERAPY,  
COMBINATION/ FEMALE/ HUMAN/ INDIA/  
\*LABOR/ PREGNANCY/ PROGESTATIONAL  
HORMONES, therapeutic use/ TIME FACTORS
4054. Tolagen K: Aldosterone in primary hypertension relationship to plasma renin activity and urinary electrolytes and a comparison with normotensive subjects. *Scand J Clin Lab Invest* 38(5):487-93, Sep 78  
ADULT/ AGED/ AGING/ ALDOSTERONE,  
blood/ \*ALDOSTERONE, metabolism/  
ALDOSTERONE, urine/ BLOOD PRESSURE/  
COMPARATIVE STUDY/ \*ELECTROLYTES,  
urine/ FEMALE/ HUMAN/ \*HYPERTENSION,  
metabolism/ HYPERTENSION, physiopathology/  
MALE/ MIDDLE AGE/ \*RENIN, blood
4055. Tolkovsky AM, Levitzki A: Mode of coupling between the beta-adrenergic receptor and adenylate cyclase in turkey erythrocytes. *Biochemistry* 17(18):3795, 5 Sep 78  
\*ADENYL CYCLASE, blood/ ANIMAL/ BINDING,  
COMPETITIVE/ EPINEPHRINE,  
pharmacodynamics/ ERYTHROCYTE MEMBRANE,  
drug effects/ \*ERYTHROCYTE MEMBRANE,  
metabolism/ \*ERYTHROCYTES, metabolism/  
KINETICS/ MATHEMATICS/ \*RECEPTORS,  
ADRENERGIC, metabolism/ RECEPTORS,  
ADRENERGIC, BETA, drug effects/ \*RECEPTORS,  
ADRENERGIC, BETA, metabolism/ TURKEYS/  
UNITED STATES GOV'T SUPPORTED
4056. Tolkovsky AM, Levitzki A: Coupling of a single adenylate cyclase to two receptors: adenosine and catecholamine. *Biochemistry* 17(18):3811-7, 5 Sep 78  
\*ADENOSINE, metabolism/ ADENOSINE,  
pharmacodynamics/ \*ADENYL CYCLASE, blood/  
ANIMAL/ \*EPINEPHRINE, metabolism/  
EPINEPHRINE, pharmacodynamics/  
ERYTHROCYTE MEMBRANE, drug effects/  
\*ERYTHROCYTE MEMBRANE, metabolism/  
\*ERYTHROCYTES, metabolism/ KINETICS/  
MATHEMATICS/ RECEPTORS, DRUG, drug  
effects/ \*RECEPTORS, DRUG, metabolism/  
TURKEYS
4057. Tomažević T, Cerar V, Duric M, et al: Prikaz mole hid sa živim plodom dijagnostičirane ultrazvukom. *Jugosl Ginekol Opstet* 17(4):257-60, Jul-Aug 77 (Eng. Abstr.)  
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/  
FEMALE/ \*FETUS/ HUMAN/ \*HYDATIDIC  
MOLE, diagnosis/ PREGNANCY/ \*ULTRASONIC  
diagnostic use/ \*UTERINE NEOPLASMS, dia
4058. Tombroff M, Schmerber-Vereerstraeten J, Hermanus A: Pleurésies séro-hémorragiques d'origine sous-diaphragmatique. A propos de six cas. *Acta Clin Belg* 33(2):98-109, 1978 (Eng. Abstr.)  
\*ABDOMINAL NEOPLASMS, complications/  
ADENOMA, complications/ ADRENAL GLAND  
NEOPLASMS, complications/ ADULT/ AGE/  
CASE REPORT/ ENGLISH ABSTRACT/  
FEMALE/ \*FISTULA, complications/  
\*HEMORRHAGE, etiology/ HUMAN/ MALE/  
MIDDLE AGE/ \*PANCREATIC FISTULA,  
complications/ \*PLEURAL DISEASES,  
complications/ \*PLEURAL EFFUSION, etiology/  
SARCOMA, RETICULUM CELL, complications/  
SPLENIC NEOPLASMS, complications
4059. Tomita A: [Treatment of hypoparathyroidism] *Nippon Rinsho Suppl*:1576-7, May 78  
ACUTE DISEASE/ ADULT/ CHRONIC DISEASE/  
FEMALE/ HUMAN/ \*HYPOPARATHYROIDISM/  
drug therapy/ MALE/ MIDDLE AGE/ TETRAHYDRO  
drug therapy
4060. Tomoyama J, Kuwata M, Fukuda S, et al: Progesterone metabolism in vitro by ovaries from androgen-sterilized of different ages. *J Steroid Biochem* 9(7):695-6, Jul 78  
AGING/ ANIMAL/ FEMALE/ OVARY, drug  
effects/ OVARY, growth & development/ \*OVARY  
metabolism/ \*PROGESTERONE, metabolism/ RATS/  
STERILITY, FEMALE, chemically induced/  
STERILITY, FEMALE, metabolism/  
\*TESTOSTERONE, pharmacodynamics
4061. Torizuka K: [Hashimoto's disease] *Nippon Rinsho Suppl*:1198-9, May 78  
AUTOANTIBODIES, analysis/ HUMAN/ HL-60/  
ANTIGENS, analysis/ \*THYROIDITIS,  
LYMPHOMATOUS, immunology
4062. Torp A: Special investigations in COCM: biochemical analysis of cardiac biopsies. *Postgrad Med J* 54(633):494-9, Jun 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ALCOHOLISM, complications/  
GLUCAGON, pharmacodynamics/ HEART, drug  
effects/ HEART, physiopathology/  
HEMODYNAMICS, drug effects/ HUMAN/  
\*MYOCARDIAL DISEASES, metabolism/  
MYOCARDIAL DISEASES, physiopathology/  
MYOCARDIUM, metabolism/ PHOSPHOLIPID  
analysis/ TRIGLYCERIDES, analysis
4063. Torres HN, Flawiá MM, Medrano JA, et al: Kinetic studies of adenyl cyclase of fat cell membranes. I. Comparison of activities measured in the presence of  $Mg^{++}$ -ATP,  $Mn^{++}$ -ATP. Effects of insulin, GMP-P(NH)P, isoproterenol, and fluoride. *J Membr Biol* 43(1):19-44, Sep 78  
ADENOSINE TRIPHOSPHATE, pharmacodynamics/  
\*ADENYL CYCLASE, metabolism/ ADIPOSE  
TISSUE, drug effects/ \*ADIPOSE TISSUE,  
enzymology/ ANIMAL/ CELL MEMBRANE,  
effects/ CELL MEMBRANE, enzymology/  
COMPARATIVE STUDY/ DOSE-RESPONSE  
RELATIONSHIP, DRUG/ FLUORIDES,  
pharmacodynamics/ GUANYLYL  
IMIDODIPHOSPHATE, pharmacodynamics/ IN  
VITRO/ INSULIN, pharmacodynamics/  
ISOPROTERENOL, pharmacodynamics/ KINETICS/  
MAGNESIUM, pharmacodynamics/ MANGANESE  
pharmacodynamics/ RATS
4064. Torres HN, Flawiá MM, Hernaez L, et al: Effects of insulin on the adenyl cyclase activity of isolated fat cell membranes. *J Membr Biol* 43(1):1-18, 29 Sep 78  
ADENOSINE TRIPHOSPHATE, pharmacodynamics/  
\*ADENYL CYCLASE, metabolism/ ADENYL  
IMIDODIPHOSPHATE, pharmacodynamics/  
\*ADIPOSE TISSUE, drug effects/ ADIPOSE TISSUE,  
enzymology/ ANIMAL/ CELL MEMBRANE,



## AUTHOR SECTION

effects/ CELL MEMBRANE, enzymology/  
GLUCAGON, pharmacodynamics/ GUANYLYL  
IMIDODIPHOSPHATE, pharmacodynamics/ IN  
VITRO/ \*INSULIN, pharmacodynamics/ KINETICS/  
MAGNESIUM, pharmacodynamics/ MANGANESE,  
pharmacodynamics/ RATS

4065. **Torres HN, Flawiá MM, Medrano JA, et al:** Kinetic studies of adenylyl cyclase of fat cell membranes. II. Comparison of activities measured in the presence of  $Mn^{++}$ -AMP-P(NH)P and  $Mg^{++}$ -AMP-P(NH)P. Effects of insulin, fluoride, isoproterenol, and GMP-P(NH)P. *J Membr Biol* 43(1):45-69, 29 Sep 78

\*ADENYL CYCLASE, metabolism/ ADENYLYL  
IMIDODIPHOSPHATE, pharmacodynamics/  
ADIPOSE TISSUE, drug effects/ \*ADIPOSE TISSUE,  
enzymology/ ANIMAL/ CELL MEMBRANE, drug  
effects/ CELL MEMBRANE, enzymology/  
COMPARATIVE STUDY/ DOSE-RESPONSE  
RELATIONSHIP, DRUG/ FLUORIDES,  
pharmacodynamics/ GUANYLYL  
IMIDODIPHOSPHATE, pharmacodynamics/ IN  
VITRO/ INSULIN, pharmacodynamics/  
ISOPROTERENOL, pharmacodynamics/ KINETICS/  
MAGNESIUM, pharmacodynamics/ MANGANESE,  
pharmacodynamics/ RATS

4066. **Tortella FC, Moreton JE, Khazan N:** Electroencephalographic and behavioral effects of

D-al<sup>2</sup>-methionine-enkephalinamide and morphine in the rat. *J Pharmacol Exp Ther* 206(3):636-43, Sep 78

ANIMAL/ \*BEHAVIOR, ANIMAL, drug effects/  
\*BRAIN, drug effects/ COMPARATIVE STUDY/  
DOSE-RESPONSE RELATIONSHIP, DRUG/  
ELECTROENCEPHALOGRAPHY/  
\*ENDORPHINS, pharmacodynamics/  
\*ENKEPHALINS, pharmacodynamics/ FEMALE/  
\*MORPHINE, pharmacodynamics/ RATS/ SLEEP/  
TIME FACTORS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ WAKEFULNESS

4067. **Towers NR, Smith BL:** The protective effect of zinc sulphate in experimental sporidesmin intoxication of lactating dairy cows. *NZ Vet J* 26(8):199-202, Aug 78

ANIMAL/ \*CATTLE DISEASES, prevention &  
control/ CATTLE/ FEMALE/ \*INDOLE,  
poisoning/ \*LACTATION/ PREGNANCY/  
\*SPORIDESMINS, poisoning/ \*ZINC, therapeutic use

4068. **Toy JL, Davies JA, Hancock KW, et al:** The effects of an increase in endogenous oestrogen on the haemostatic mechanism. *Thromb Haemost* 39(3):683-8, 30 Jun 78

ADULT/ BLOOD COAGULATION TESTS/  
\*ESTROGENS/ ESTROGENS, urine/ FEMALE/  
FIBRINOLYSIS/ \*HEMOSTASIS/ HUMAN/  
PLATELET AGGREGATION

4069. **Toyama K:** [Effect of androgenic hormones on treatment of aplastic anemia—retrospective study (author's transl)] *Rinsho Ketsueki* 19(7):964-70, Jul 78 (Eng. Abstr.) (Jpn)

ADULT/ AGE FACTORS/ ANDROGENS,  
administration & dosage/ \*ANDROGENS, therapeutic  
use/ \*ANEMIA, APLASTIC, drug therapy/ DRUG  
THERAPY, COMBINATION/ ENGLISH  
ABSTRACT/ FEMALE/ GLUCOCORTICOIDS,  
administration & dosage/ GLUCOCORTICOIDS,  
therapeutic use/ HUMAN/ MALE/  
RETROSPECTIVE STUDIES/ SEX FACTORS

4070. **Traina GC, Mele R:** Impiego delle oscillazioni armoniche nello studio delle proprietà dell'osso. *Chir Organi Mov* 64(1):59-63, 1978 (Eng. Abstr.) (Ita)

ANIMAL/ BIOMECHANICS/ \*BONE AND BONES,  
physiology/ ELASTICITY/ ENGLISH ABSTRACT/  
HUMAN/ STRESS, MECHANICAL/ VIBRATION

4071. **Trainin EB, Lala VR, Gomez-Leon G, et al:** Negative saralasin response in correctable renovascular hypertension. *J Pediatr* 93(3):460-2, Sep 78

ADOLESCENCE/ \*ANGIOTENSIN II, analogs &  
derivatives/ ANGIOTENSIN II, physiology/ \*BLOOD  
PRESSURE, drug effects/ CASE REPORT/ HUMAN/  
HYPERTENSION, RENAL, etiology/  
\*HYPERTENSION, RENAL, surgery/ MALE/  
RENIN, physiology/ SARALASIN, diagnostic use/  
\*SARALASIN, pharmacodynamics

4072. **Traugh JA, Lundak TS:** Phosphorylation of translational initiation factor 3 (eIF-3) by cyclic AMP-regulated protein kinase. *Biochem Biophys Res Commun* 83(2):379-84, 28 Jul 78

ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
pharmacodynamics/ ANIMAL/ ENZYME  
ACTIVATION/ KINETICS/ \*PEPTIDE CHAIN  
INITIATION/ \*PEPTIDE INITIATION FACTORS/  
PEPTIDE INITIATION FACTORS, metabolism/  
PHOSPHORYLATION/ \*PROTEIN KINASE,  
metabolism/ RABBITS/ RETICULOCYTES,  
metabolism/ RIBOSOMES, metabolism/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.

4073. **Traut H:** The induction of X-chromosomal aneuploidy by 5-fluorodeoxyuridine (FUDR) fed to *Drosophila melanogaster* females. *Can J Genet Cytol* 20(2):259-63, Jun 78

ANEUPLOIDY/ ANIMAL/ CHROMOSOME  
ABERRATIONS/ CHROMOSOMES, drug effects/  
DROSOPHILA MELANOGASTER/ FEMALE/  
\*FLUORODEOXYURIDINE, pharmacodynamics/  
\*SEX CHROMOSOMES, drug effects/ \*X  
CHROMOSOME, drug effects

4074. **Trifonov D, Dobrev Ia:** Suvremenni skhvashtaniia za shoka, prichinen ot Gram-otritsatelni mikroorganizmi. *Khirurgiia* (Sofia) 31(3):242-8, 1978 (Bul)

ADRENAL CORTEX HORMONES, therapeutic use/  
ANTIBIOTICS, therapeutic use/  
CARDIOVASCULAR AGENTS, therapeutic use/  
\*GRAM-NEGATIVE AEROBIC BACTERIA,  
pathogenicity/ \*GRAM-NEGATIVE ANAEROBIC  
BACTERIA, pathogenicity/ HUMAN/ INFUSIONS,  
PARENTERAL/ SEPTICEMIA, drug therapy/  
SEPTICEMIA, microbiology/ SEPTICEMIA,  
physiopathology/ SHOCK, SEPTIC, drug therapy/  
\*SHOCK, SEPTIC, microbiology/ SHOCK, SEPTIC,  
physiopathology

4075. **Troyer EW, Hall IA, Ferrendelli JA:** Guanylate cyclases in CNS: enzymatic characteristics of soluble and particulate enzymes from mouse cerebellum and retina. *J Neurochem* 31(4):825-33, Oct 78

ANIMAL/ AZIDES, pharmacodynamics/ CALCIUM,  
pharmacodynamics/ \*CEREBELLUM, enzymology/  
FEMALE/ \*GUANYL CYCLASE, metabolism/  
HYDROXYLAMINES, pharmacodynamics/  
KINETICS/ MAGNESIUM, pharmacodynamics/  
MALE/ MANGANESE, pharmacodynamics/ MICE/  
\*RETINA, enzymology/ SOLUBILITY/ TISSUE  
DISTRIBUTION/ TRITONS, pharmacodynamics/  
UNITED STATES GOV'T SUPPORTED, P.H.S.

4076. **Trulsson ME, Jacobs BL:** Behavioral evidence for denervation supersensitivity after destruction of central serotonergic nerve terminals. *Ann NY Acad Sci* 305:497-509, 12 Jun 78

ANIMAL/ \*BEHAVIOR, ANIMAL, drug effects/  
BEHAVIOR, ANIMAL, physiology/ CENTRAL  
NERVOUS SYSTEM, drug effects/ \*CENTRAL  
NERVOUS SYSTEM, physiology/ DENERVATION/  
HYDROXYTRYPTOPHAN, pharmacodynamics/  
LYSERGIC ACID DIETHYLAMIDE,  
pharmacodynamics/ MALE/ \*NERVE ENDINGS,  
drug effects/ NERVE ENDINGS, physiology/ RATS/  
RECEPTORS, SEROTONIN, drug effects/  
SEROTONIN, biosynthesis/ \*SEROTONIN,  
physiology/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./  
5,7-DIHYDROXYTRYPTAMINE, pharmacodynamics

4077. **Trux F, Fink R, Wutke K:** Zum Auftreten unreifzelliger Leukosen nach radiologischer und zytostatischer Intensivtherapie des Hodgkin-Lymphoms. *Folia Haematol* (Leipzig) 105(3):354-66, 1978 (Eng. Abstr.) (Ger)

CASE REPORT/ CYCLOPHOSPHAMIDE,  
therapeutic use/ ENGLISH ABSTRACT/ FEMALE/  
HODGKIN'S DISEASE, complications/ HODGKIN'S  
DISEASE, drug therapy/ \*HODGKIN'S DISEASE,  
radiotherapy/ HUMAN/ \*LEUKEMIA,  
MYELOBLASTIC, complications/ MALE/ MIDDLE  
AGE/ PREDNISOLONE, therapeutic use/ VINCA  
ALKALOIDS, therapeutic use

4078. **Trygstad O, Foss I, Edminson PD, et al:** Humoral control of appetite: a urinary anorexigenic peptide. Chromatographic patterns of urinary peptides in anorexia nervosa. *Acta Endocrinol* (Copenh) 89(1):196-208, Sep 78

ADOLESCENCE/ ADULT/ ANIMAL/ ANOREXIA  
NERVOSA, diagnosis/ \*ANOREXIA NERVOSA,  
urine/ APPETITE, drug effects/ BODY WEIGHT,  
drug effects/ CHILD/ CHROMATOGRAPHY, GEL/  
FEMALE/ HUMAN/ \*HYPOTHALAMUS,



# AUTHOR SECTION

- physiopathology/ MALE/ MICE/ PEPTIDES, pharmacodynamics/ \*PEPTIDES, urine
4079. Tsai JS, Chen A: Effect of L-triiodothyronine on (—)3H-dihydroalprenolol binding and cyclic AMP response to (—)adrenaline in cultured heart cells. *Nature* 275(5676):138-40, 14 Sep 78  
 \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ALPRENOLOL, metabolism/ ALPRENOLOL, pharmacodynamics/ CELLS, CULTURED/ EPINEPHRINE, pharmacodynamics/ \*HEART, drug effects/ MYOCARDIUM, cytology/ \*MYOCARDIUM, metabolism/ \*RECEPTORS, ADRENERGIC, drug effects/ \*RECEPTORS, ADRENERGIC, BETA, drug effects/ \*TRIIODOTHYRONINE, pharmacodynamics
4080. Tsai SC, Manganiello VC, Vaughan M: Activation of kidney guanylate cyclase by cobalt. *Arch Biochem Biophys* 189(1):155-60, Jul 78  
 ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ ANIMAL/ \*COBALT, pharmacodynamics/ ENZYME ACTIVATION/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ \*GUANYL CYCLASE, metabolism/ GUINEA PIGS/ KIDNEY, analysis/ \*KIDNEY, enzymology/ MALE/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4081. Tsakadze LG, Kometiani ZP: Nekotorye svoistva Na,K-ATPazy glial'nykh membran. *Biokhimiia* 43(7):1190-5, Jul 78 (Eng. Abstr.) (Rus)  
 ACETYLCHOLINE, pharmacodynamics/ \*ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ ANIMAL/ CELL MEMBRANE, enzymology/ ENGLISH ABSTRACT/ ENZYME ACTIVATION/ GABA, pharmacodynamics/ \*NEUROGLIA, enzymology/ NOREPINEPHRINE, pharmacodynamics/ RATS/ SEROTONIN, pharmacodynamics
4082. Tsang D, Tan AT, Henry JL, et al: Effect of opioid peptides on L-noradrenaline-stimulated cyclic AMP formation in homogenates of rat cerebral cortex and hypothalamus. *Brain Res* 152(3):521-7, 8 Sep 78  
 \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ANIMAL/ CEREBRAL CORTEX, drug effects/ \*CEREBRAL CORTEX, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ \*ENDORPHINS, pharmacodynamics/ ENKEPHALINS, pharmacodynamics/ HYPOTHALAMUS, drug effects/ \*HYPOTHALAMUS, metabolism/ MALE/ \*MORPHINE, pharmacodynamics/ NALOXONE, pharmacodynamics/ \*NOREPINEPHRINE, pharmacodynamics/ RATS/ SODIUM, pharmacodynamics
4083. Tschöpe W, Schmidt-Gayk H, Ritz E: Therapeutische Massnahmen bei rezidivierender Calcium-Oxalat-Nephrolithiasis. *Praxis* 67(38):1385-8, 19 Sep 78 (Ger)  
 \*CALCIUM, metabolism/ CELLULOSE, therapeutic use/ DIET THERAPY/ DIURETICS, THIAZIDE, therapeutic use/ HUMAN/ INTESTINAL ABSORPTION, drug effects/ ION EXCHANGE/ PHOSPHATES, therapeutic use/ PYROPHOSPHATES, metabolism/ RECURRENCE/ SODIUM, therapeutic use/ \*URINARY CALCULI, therapy
4084. Tse J, Brackett NL, Kuo JF: Alterations in activities of cyclic nucleotide systems and in beta-adrenergic receptor-mediated activation of cyclic AMP-dependent protein kinase during progression and regression of isoproterenol-induced cardiac hypertrophy. *Biochim Biophys Acta* 542(3):399-411, 6 Sep 78  
 ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ ENZYME ACTIVATION/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ HEART ENLARGEMENT, chemically induced/ \*HEART ENLARGEMENT, metabolism/ ISOPROTERENOL/ MALE/ \*NUCLEOTIDES, CYCLIC, metabolism/ PHOSPHODIESTERASES, metabolism/ \*PROTEIN KINASE, metabolism/ RATS/ \*RECEPTORS, ADRENERGIC, metabolism/ \*RECEPTORS, ADRENERGIC, BETA, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4085. Tseng LF: Blockade of para-methoxyamphetamine induced serotonin release by serotonin uptake inhibitors. *Proc West Pharmacol Soc* 21:7-9, 1978  
 \*P-METHOXYAMPHETAMINE, antagonists & inhibitors/ \*AMPHETAMINES, antagonists & inhibitors/ ANIMAL/ BRAIN, drug effects/ BRAIN, metabolism/ CHLORIMIPRAMINE, pharmacodynamics/ DESIPRAMINE, pharmacodynamics/ FLUOXETIN, pharmacodynamics/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ MUSCLE CONTRACTION, drug effects/ RATS/ \*SEROTONIN ANTAGONISTS, pharmacodynamics/ \*SEROTONIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4086. Tseng LF, Loh HH, Li CH: betah-endorphin: antidiuretic effects in rats. *Int J Pept Protein Res* 12(3):173-6, Sep 78  
 ANIMAL/ COMPARATIVE STUDY/ \*DIURETICS, drug effects/ ENDORPHINS, administration & dosage/ \*ENDORPHINS, pharmacodynamics/ INJECTION INTRAVENOUS/ INJECTIONS, INTRAVENTRICULAR/ MORPHINE, pharmacodynamics/ RATS/ UNITED STATES GOV'T SUPPORTED
4087. Tseng LF: Effects of para-methoxyamphetamine and 2,5-dimethoxyamphetamine on serotonergic mechanism. *Naunyn Schmiedeberg's Arch Pharmacol* 304(2):101-5, Sep 78  
 P-METHOXYAMPHETAMINE, administration & dosage/ \*P-METHOXYAMPHETAMINE, pharmacodynamics/ \*AMPHETAMINES, pharmacodynamics/ ANIMAL/ BRAIN, metabolism/ DOM, analogs & derivatives/ DOM, administration dosage/ \*DOM, pharmacodynamics/ INJECTION INTRAVENTRICULAR/ MALE/ MUSCLE CONTRACTION, drug effects/ RATS/ SEROTONIN, metabolism/ \*SEROTONIN, physiology/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4088. Tsiel' BN, Khodasevich LS: Ob izmeneniiakh v pochkekh sol'teraiushchei forme vrozhdennol giperplazii nadpochechnikov. *Pediatrica* (9):57-60, Sep 78 (Eng. Abstr.) (Ukr)  
 \*ADRENAL GLAND HYPERFUNCTION, complications/ ENGLISH ABSTRACT/ HUMAN/ \*HYPONATREMIA, etiology/ INFANT/ \*KIDNEY, pathology
4089. Tsibris JC, Cazenave CR, Cantor B, et al: Distribution of cytoplasmic estrogen and progesterone receptors in human endometrium. *Am J Obstet Gynecol* 132(4):449-54, 15 Sep 78  
 CHROMATOGRAPHY, HIGH SPEED LIQUID/ \*CYTOPLASM, analysis/ \*ENDOMETRIUM, analysis/ ESTRADIOL, isolation & purification/ FEMALE/ HUMAN/ PROGESTATIONAL HORMONES, SYNTHETIC, isolation & purification/ \*RECEPTORS, ESTROGEN, analysis/ \*RECEPTORS, PROGESTERONE, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4090. Tsiens RW, Kass RS, Weingart R: Calcium ions and membrane current changes induced by digitals in cardiac Purkinje fibers. *Ann NY Acad Sci* 307:483-90, 28 Apr 78 (14 ref.)  
 ACTION POTENTIALS, drug effects/ ANIMAL/ \*CALCIUM, metabolism/ CATTLE/ \*DIGITALIS GLYCOSIDES, pharmacodynamics/ ELECTRIC STIMULATION/ \*HEART CONDUCTION SYSTEM, drug effects/ IN VITRO/ MYOCARDIUM CONTRACTION, drug effects/ \*PURKINJE FIBERS, drug effects/ PURKINJE FIBERS, metabolism/ REVIEW/ STROPHANTHIDIN, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4091. Tsuchiya Y: [Vitamin D dependency] *Nippon Rinsho* Suppl:1436-7, May 78  
 CHILD, PRESCHOOL/ HUMAN/ INFANT/ \*RICKETS/ \*VITAMIN D DEFICIENCY, congenital
4092. Tsuchiyama S, Sakaguchi B, Oishi K: Analysis of gynandromorph survivals in *Drosophila melanogaster* infected with the male-killing SR organisms. *Genetics* 89(4):711-21, Aug 78  
 ANIMAL/ \*DROSOPHILA MELANOGASTER, genetics/ FEMALE/ MALE/ PHENOTYPE/ \*SEX CHROMOSOMES/ SPIROCHAETALES/ \*X CHROMOSOME
4093. Tsuruhara T, Kondo T, Murakami T: [ACTH unresponsiveness] *Nippon Rinsho* Suppl:1508-9, May 78 (J)



## AUTHOR SECTION

- ADOLESCENCE/ \*CORTICOTROPIN, physiology/  
FEMALE/ \*GLUCOCORTICOID, deficiency/  
HUMAN/ INFANT/ INFANT, NEWBORN/ MALE
4094. Tsuruki F, Otawara Y, Wung HL, et al: Inhibitory effect of cadmium on vitamin D-stimulated calcium transport in rat duodenum in vitro. *J Nutr Sci Vitaminol* (Tokyo) 24(3):237-42, 1978  
ANIMAL/ \*CADMIUM, pharmacodynamics/  
\*CALCIUM, metabolism/ \*CHOLECALCIFEROLS, pharmacodynamics/ DUODENUM, drug effects/  
\*DUODENUM, metabolism/ FEMALE/  
\*INTESTINAL ABSORPTION, drug effects/  
INTESTINAL MUCOSA, drug effects/ INTESTINAL MUCOSA, metabolism/ KINETICS/ MAGNESIUM, pharmacodynamics/ RATS
4095. Tsuruta T, Kajiura T, Kuroyanagi T: [A case of short-rib-polydactyly syndrome (Saldino-Noonan type) (author's transl)] *Rinsho Hoshasen* 23(8):881-5, Aug 78 (Jpn)  
\*ABNORMALITIES, MULTIPLE/  
ABNORMALITIES, MULTIPLE, radiography/  
\*ACHONDROPLASIA, congenital/  
ACHONDROPLASIA, radiography/ FINGERS, abnormalities/ HUMAN/ INFANT, NEWBORN/ RIBS, abnormalities/ SYNDROME
4096. Tsuzuki J, Kiger JA Jr: A kinetic study of cyclic adenosine 3':5'-monophosphate binding and mode of activation of protein kinase from *Drosophila melanogaster* embryos. *Biochemistry* 17(15):2961-70, 25 Jul 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE/  
ANIMAL/ \*DROSOPHILA MELANOGASTER, enzymology/ EMBRYO, NON-MAMMALIAN/  
ENZYME ACTIVATION/ KINETICS/  
MACROMOLECULAR SYSTEMS/  
MATHEMATICS/ PROTEIN BINDING/  
\*PROTEIN KINASE/ PROTEIN KINASE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4097. Tukiainen P, Taskinen E, Korhola O, et al: Röntgenologiset, funktionaaliset ja histologiset muutokset home-pölykeuhkosairauksessa. *Duodecim* 94(7):431-42, 1978 (Eng. Abstr.) (Fin)  
ADULT/ ENGLISH ABSTRACT/ \*FARMER'S LUNG/ FARMER'S LUNG, pathology/ FARMER'S LUNG, physiopathology/ FARMER'S LUNG, radiography/ FEMALE/ HUMAN/ LUNG VOLUME MEASUREMENTS/ LUNG, pathology/ MALE/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ \*RESPIRATION
4098. Tuli SM: In vitro calcification of human and rabbit bone matrix by physical and chemical methods. *Indian J Med Res* 68:164-8, Jul 78  
ADULT/ ANIMAL/ \*BONE MATRIX, physiology/  
\*CALCIFICATION, PHYSIOLOGIC/ HUMAN/ IN VITRO/ RABBITS/ TIME FACTORS/ TISSUE PRESERVATION
4099. Tulloss JH, Booyse FM: Effect of various agents and physical damage on giant cell formation in bovine aortic endothelial cell cultures. *Microvasc Res* 16(1):51-8, Jul 78  
AORTA, cytology/ \*AORTA, drug effects/ CELLS, CULTURED/ CHOLESTEROL, analogs & derivatives/ CHOLESTEROL, pharmacodynamics/  
ENDOTHELIUM, cytology/ ENDOTHELIUM, drug effects/ EPINEPHRINE, pharmacodynamics/  
ESTRADIOL, pharmacodynamics/ NICOTINE, pharmacodynamics/ SEROTONIN, pharmacodynamics/ STRESS, MECHANICAL/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
4100. Tupper JW: Techniques of bone fixation and clinical experience in replanted extremities. *Clin Orthop* (133):165-8, Jun 78  
ADOLESCENCE/ AMPUTATION, TRAUMATIC, surgery/ \*BONE AND BONES, surgery/ CASE REPORT/ CHILD/ FEMALE/ \*FINGERS, surgery/  
HUMAN/ MALE/ ORTHOPEDIC FIXATION DEVICES/ \*REIMPLANTATION/  
REIMPLANTATION, methods
4101. Turek F: Diurnal rhythms and the seasonal reproductive cycle in birds. pp. 144-52.  
In: Assenmacher I, Farner DS, ed. *Environmental endocrinology*. Berlin, Springer, 1978. WK 102.3 E61 1977.  
ANIMAL/ \*BIRDS, physiology/ \*CIRCADIAN RHYTHM/ \*DIURNAL RHYTHM/ FEMALE/ LIGHT/ MALE/ MONOGRAPH/ OVIDUCTS, physiology/ \*PERIODICITY/ PINEAL BODY, physiology/ \*REPRODUCTION/ SEASONS/ TESTIS, physiology/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4102. Turk J, Weiss SJ, Davis JE, et al: Fluorescent derivatives of prostaglandins and thromboxanes for liquid chromatography. *Prostaglandins* 16(2):291-309, Aug 78  
ANIMAL/ AORTA, metabolism/ BLOOD PLATELETS, metabolism/ CATTLE/ CHROMATOGRAPHY, LIQUID/ CHROMATOGRAPHY, THIN LAYER/ COUMARINS, pharmacodynamics/  
FLUORESCENCE/ HUMAN/ MICROSOMES, metabolism/ \*PROSTAGLANDINS D, analysis/  
PROSTAGLANDINS D, metabolism/  
\*PROSTAGLANDINS E, analysis/  
PROSTAGLANDINS E, metabolism/  
\*PROSTAGLANDINS F, analysis/  
PROSTAGLANDINS F, metabolism/  
\*PROSTAGLANDINS, analysis/ \*THROMBOXANE B2, analysis/ THROMBOXANE B2, biosynthesis/  
THROMBOXANE B2, metabolism/  
\*THROMBOXANES, analysis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4103. Turner BB, Katz RJ, Roth KA, et al: Central elevation of phenylethanolamine N-methyltransferase activity following stress. *Brain Res* 153(2):419-22, 22 Sep 78  
ADRENAL GLANDS, enzymology/ ADRENERGIC FIBERS, enzymology/ ANIMAL/ \*BRAIN, enzymology/ CORTICOSTERONE, blood/ MEDULLA OBLONGATA, enzymology/  
\*PHENETHANOLAMINE  
N-METHYLTRANSFERASE, metabolism/ PONS, enzymology/ RATS/ \*STRESS, PSYCHOLOGICAL, enzymology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4104. Turner GA, Wardle EN: Effect of unconjugated and conjugated phenol and uraemia on the synthesis of adenosine 3' :5' -cyclic monophosphate in rat brain homogenates. *Clin Sci Mol Med* 55(3):271-5, Sep 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ ANIMAL/ \*BRAIN, metabolism/  
DOPAMINE, antagonists & inhibitors/ IN VITRO/  
NOREPINEPHRINE, pharmacodynamics/  
\*PHENOLS, pharmacodynamics/ RATS/ \*UREMIA, metabolism
4105. Turner JW Jr: Diffusion of [3H] testosterone from hypothalamic microimplants in castrated male gerbils: correlation with acute changes in plasma LH. *Biol Reprod* 19(1):194-201, Aug 78  
ANIMAL/ CASTRATION/ DRUG IMPLANTS/  
GERBILS/ \*HYPOTHALAMUS, physiology/  
KINETICS/ \*LH, blood/ MALE/  
\*TESTOSTERONE, metabolism/ TESTOSTERONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4106. Tveter KJ, Otnes B, Hannestad R: Treatment of prostatic carcinoma with cyproterone acetate. *Scand J Urol Nephrol* 12(2):115-8, 1978  
ACID PHOSPHATASE, blood/ ADMINISTRATION, ORAL/ AGED/ BLOOD PRESSURE, drug effects/  
BONE NEOPLASMS, drug therapy/ BONE NEOPLASMS, radiography/ BONE NEOPLASMS, radionuclide imaging/ CYPROTERONE, administration & dosage/ CYPROTERONE, adverse effects/  
\*CYPROTERONE, therapeutic use/ HUMAN/  
MALE/ MIDDLE AGE/ NEOPLASM METASTASIS/ \*PROSTATIC NEOPLASMS, drug therapy/ URINATION
4107. Tyan ML, Miller KK: Genetic and environmental factors in cortisone induced cleft palate. *Proc Soc Exp Biol Med* 158(4):618-21, Sep 78  
ANIMAL/ \*CLEFT PALATE, etiology/ CLEFT PALATE, familial & genetic/ \*CORTISONE/ DIET/  
FEMALE/ GENES/ H-2 ANTIGENS, genetics/  
MALE/ MICE/ MICE, INBRED STRAINS/  
PREGNANCY/ SEX FACTORS/ SPECIES SPECIFICITY/ UNITED STATES GOV'T SUPPORTED, P.H.S./ VITAMIN A, administration & dosage
4108. Typlin BL, Shaffer TE: Thyroxine-binding globulin deficiency: innocent cause of low serum thyroxine (T4) levels. *Ohio State Med J* 74(9):563-5, Sep 78



# AUTHOR SECTION

ADOLESCENCE/ BLOOD PROTEIN DISORDERS, familial & genetic/ CASE REPORT/ DIAGNOSIS, DIFFERENTIAL/ FEMALE/ HUMAN/ HYPOTHYROIDISM, diagnosis/ INFANT, NEWBORN/ INFANT, NEWBORN, DISEASES, diagnosis/ MALE/ MASS SCREENING/ \*THYROXINE BINDING PROTEIN, deficiency/ \*THYROXINE, blood

## U

4109. Uebelhack R, Franke L, Seidel K, et al: Wirkung des Serotonins, 5-Hydroxy-N,N-dimethyltryptamins und 5-Methoxy-N,N-dimethyltryptamins auf die synaptosomale Mg(Na,K)-ATPase aus Rattenhirn. *Acta Biol Med Ger* 37(2):363-6, 1978 (Ger)

\*ADENOSINE TRIPHOSPHATASE, metabolism/ \*ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM, metabolism/ ANIMAL/ \*BRAIN, enzymology/ \*BUFOTENIN, analogs & derivatives/ \*BUFOTENIN, pharmacodynamics/ KINETICS/ MAGNESIUM/ RATS/ \*SEROTONIN, analogs & derivatives/ \*SEROTONIN, pharmacodynamics/ \*SYNAPTOSOMES, enzymology

4110. Uemura T, Suzuki N, Tsuchihashi S, et al: Changes in serum 17alpha-hydroxyprogesterone levels during periovulatory phase in women. *Endocrinol Jpn* 25(3):295-8, Jun 78  
ESTRADIOL, blood/ FEMALE/ FSH, blood/ HUMAN/ \*HYDROXYPROGESTERONES, blood/ LH, blood/ \*OVULATION/ PROGESTERONE, blood

4111. Ukai M, Mitsuma T: Plasma triiodothyronine, thyroxine and thyrotrophin levels in germfree rats. *Experientia* 34(8):1095-6, 15 Aug 78

ANIMAL/ \*GERM-FREE LIFE/ MALE/ RATS/ \*THYROID HORMONES, blood/ \*THYROTROPIN, blood/ THYROXINE, blood/ TRIIODOTHYRONINE, blood

4112. Ullrich KJ, Frömter E, Gmaj P, et al: What are the driving forces for the proximal tubular H<sup>+</sup> and Ca<sup>++</sup> transport? The electrochemical gradient for Na<sup>+</sup> and/or ATP. *Curr Probl Clin Biochem* 8:170-7, 23-26 Oct 77

\*ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ \*BIOLOGICAL TRANSPORT, ACTIVE/ BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ \*CALCIUM, metabolism/ HYDROGEN-ION CONCENTRATION/ KIDNEY TUBULES, PROXIMAL, drug effects/ \*KIDNEY TUBULES, PROXIMAL, metabolism/ KINETICS/ MEMBRANE POTENTIALS/ MICROVILLI, metabolism/ MODELS, BIOLOGICAL/ OUBAIN, pharmacodynamics/ \*SODIUM, pharmacodynamics

4113. Ungerstedt U, Ljungberg T, Schultz W: Dopamine receptor mechanisms: behavioral and electrophysiological studies. *Adv Biochem Psychopharmacol* 19:311-21, 1978

ADENYL CYCLASE, metabolism/ ANIMAL/ APOMORPHINE, pharmacodynamics/ BEHAVIOR, ANIMAL, drug effects/ \*BEHAVIOR, ANIMAL, physiology/ CORPUS STRIATUM, drug effects/ DENERVATION/ DOPAMINE, pharmacodynamics/ DOPAMINE, physiology/ ELECTROPHYSIOLOGY/ RATS/ RECEPTORS, DOPAMINE, drug effects/ \*RECEPTORS, DOPAMINE, physiology/ SYNAPSES, physiology/ TRANQUILIZING AGENTS, MAJOR, pharmacodynamics

4114. Unsworth PF, Heatley FW, Phillips I: Flucloxacillin in bone. *J Clin Pathol* 31(8):705-11, Aug 78

AGED/ \*BONE AND BONES, metabolism/ \*CLOXACILLIN, analogs & derivatives/ FEMALE/ FLOXACILLIN, blood/ \*FLOXACILLIN, metabolism/ HEMOGLOBINOMETRY/ HUMAN/ MALE/ MIDDLE AGE

4115. Uozumi T: [Diagnosis of hypothalamo--pituitary tumors] *Nippon Rinsho Suppl*:1546-7, May 78 (Jpn)

\*BRAIN NEOPLASMS, diagnosis/ BRAIN NEOPLASMS, radiography/ \*CEREBRAL VENTRICLE NEOPLASMS, diagnosis/ CEREBRAL VENTRICLE NEOPLASMS, radiography/ HUMAN/ \*HYPOTHALAMUS/ \*PITUITARY NEOPLASMS, diagnosis/ PITUITARY NEOPLASMS, radiography

4116. Urabe H: [Perioral dermatitis (rosacea-like dermatitis)--adverse effects of externally applied steroid

preparations] *Nippon Rinsho Suppl*:2400-1, May 78  
ADOLESCENCE/ ADULT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ OINTMENTS, adverse effects/ \*ROSACEA, chemically induced/ \*STEROIDS, adverse effects

4117. Uribe M, de Uribe MH, Cario AA: Alteraciones hepáticas producidas por esteroides anticonceptivos. *Rev Gastroenterol Mex* 42(3):139-47, Sep-Dec 77 (Er Abstr.)

\*CONTRACEPTIVES, ORAL, adverse effects/ \*CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*LIVER DISEASES, chemically induced/ \*LIVER NEOPLASMS, chemically induced/ PREGNANCY

4118. Urios P, Cittanova N, Jayle MF: Immunoassay of the human chorionic gonadotrophin using fluorescence polarization. *FEBS Lett* 94(1):54-8, 1 Oct 78

FLUORESCENCE POLARIZATION, methods/ \*FLUORESCENT ANTIBODY TECHNIC, methods/ \*GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ IMMUNOASSAY, methods

4119. Usvatova Ila, Istomin NP, Chirkova LD, et al: Rol' simpatiko-adrenalovoi i kallikrein-kininovoi sistem v regulatsii tsentral'nogomodnamiki pri ostrol éksperimental'noi okkluzii terminal'nogo otdela aorty. *Kardiologiya* 18(8):89-95, Aug 78 (Eng. Abstr.)

\*ADRENAL GLANDS, physiopathology/ ANIMAL/ AORTA, ABDOMINAL, physiopathology/ AORTIC DISEASES, drug therapy/ \*AORTIC DISEASES, physiopathology/ DOGS/ DRUG SCREENING/ EMBOLISM, drug therapy/ EMBOLISM, physiopathology/ ENGLISH ABSTRACT/ FEMALE/ \*HEMODYNAMICS/ \*KALLIKREIN, blood/ KALLIKREIN-TRYPSIN INACTIVATOR, therapeutic use/ \*KININS, blood/ MALE/ \*SYMPATHETIC NERVOUS SYSTEM, physiopathology/ TIME FACTORS

4120. Usvatova Ila, Kulagin VK, Davydov VV, et al: Gormony nadpocheknikov i gemodinamika pri éksperimental'nom travmaticheskom shoke. *Patol Fiziol Eksp Ter* (4):9-15, Jul-Aug 78 (Eng. Abstr.)

\*ADRENAL CORTX HORMONES, blood/ ANIMAL/ \*CATECHOLAMINES, blood/ DOGS/ ENGLISH ABSTRACT/ \*HEMODYNAMICS/ SHOCK, TRAUMATIC, blood/ \*SHOCK, TRAUMATIC, physiopathology

4121. Utian WH, Katz M, Davey DA, et al: Effect of premenopausal castration and incremental dosages of conjugated equine estrogens on plasma follicle-stimulating hormone, luteinizing hormone, and estradiol. *Am J Obstet Gynecol* 132(3):297-302, 1 Oct 78

\*CASTRATION/ \*ESTRADIOL, blood/ ESTROGENIC SUBSTANCES, CONJUGATED, administration & dosage/ \*ESTROGENIC SUBSTANCES, CONJUGATED, pharmacodynamics/ FALLOPIAN TUBES, surgery/ FEMALE/ \*FSH, blood/ HUMAN/ HYSTERECTOMY/ \*LH, blood/ MENOPAUSE/ MIDDLE AGE

4122. Utsumi M, Makimura H, Ishihara K, et al: [Inactivation of somatostatin in the serum and brain tissue] *Horomon To Rinsho* 26(6):558-60, Jun 78 (J)

ANIMAL/ \*BRAIN CHEMISTRY/ CEREBRAL CORTEX, metabolism/ FEMALE/ HUMAN/ HYPOTHALAMUS, metabolism/ RADIOIMMUNOASSAY/ RATS/ \*SOMATOTROPIN RELEASE INHIBITING HORMONE, antagonists & inhibitors/ SOMATOTROPIN RELEASE INHIBITING HORMONE, blood

4123. Uuspää V: Upper extremity deformities associated with the orofacial clefts. *Scand J Plast Reconstr Surg* 12(2):157-1978

ABNORMALITIES, MULTIPLE, occurrence/ ADOLESCENCE/ ADULT/ CHILD/ CHILD, PRESCHOOL/ \*CLEFT LIP, occurrence/ \*CLEFT PALATE, occurrence/ DWARFISM, occurrence/ FEMALE/ FINLAND/ \*HAND, abnormalities/ HUMAN/ MALE/ SEX FACTORS/ SYNDACTYLIA, occurrence

4124. Uzan A, Le Fur G, Mitrani N, et al: Effects on striatal and mesolimbic dopamine systems of a new potential antipsychotic drug -mezilamine- with weak cataleptogen



## AUTHOR SECTION

- properties. Life Sci 23(3):261-73, 17 Jul 78  
ADENYL CYCLASE, antagonists & inhibitors/  
ANIMAL/ CATECHOLAMINES, metabolism/  
CORPUS STRIATUM, enzymology/ \*CORPUS  
STRIATUM, metabolism/ \*DOPAMINE, metabolism/  
HOMOVANILLIC ACID, metabolism/ IN VITRO/  
LIMBIC SYSTEM, enzymology/ \*LIMBIC SYSTEM,  
metabolism/ MALE/ PIPERAZINES,  
pharmacodynamics/ \*PYRIMIDINES,  
pharmacodynamics/ RATS/ TIME FACTORS/  
\*TRANQUILIZING AGENTS, MAJOR,  
pharmacodynamics
4125. Uzbekov MG: Role of visual impulsion in the development  
of receptor properties of synaptosomal membranes with age.  
Neurosci Behav Physiol 8(2):117-20, Apr-Jun 77  
ANIMAL/ FRONTAL LOBE, metabolism/  
PARIETAL LOBE, metabolism/ \*PHOTIC  
STIMULATION/ RABBITS/ \*RECEPTORS,  
SEROTONIN, metabolism/ SENSORY  
DEPRIVATION/ SEROTONIN, metabolism/  
\*SUPERIOR COLLICULUS, metabolism/  
\*SYNAPTOSOMES, metabolism/ TRYPTAMINES,  
metabolism/ \*VISUAL CORTEX, metabolism
- ### V
4126. Vaccari A, Cimino J, Brotman S, et al: High altitude hypoxia  
and adrenal development in the rat: enzymes for biogenic  
amines. pp. 283-9.  
In: Assenmacher I, Farner DS, ed. Environmental  
endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.  
\*ADRENAL GLANDS, enzymology/ \*ALTITUDE/  
ANIMAL/ \*ANOXIA, enzymology/ \*BIOGENIC  
AMINES, metabolism/ CARBOXY-LYASES,  
metabolism/ CATECHOL  
METHYLTRANSFERASE, metabolism/  
CORTICOSTERONE, blood/ MONOAMINE  
OXIDASE, metabolism/ MONOGRAPH/ RATS/  
TRYPTOPHAN HYDROXYLASE, metabolism/  
TYROSINE HYDROXYLASE, metabolism
4127. Vahouny GV, Chanderbhan R, Hodges VA, et al: Cholesterol  
arachidonate as a prostaglandin precursor in adrenocortical  
cells. Prostaglandins 16(2):207-20, Aug 78  
ADRENAL CORTEX, cytology/ \*ADRENAL  
CORTEX, metabolism/ ANIMAL/ \*ARACHIDONIC  
ACIDS, metabolism/ \*CHOLESTEROL, metabolism/  
CORTICOTROPIN, pharmacodynamics/ LIPIDS,  
metabolism/ \*PROSTAGLANDINS, biosynthesis/  
RADIOIMMUNOASSAY/ RATS/ UNITED  
STATES GOV'T SUPPORTED/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.
4128. Valdez VA, Bonnin JM, Martini T, et al: Abnormal liver and  
bone scans in a case of a metastatic neuroblastoma.  
Clin Nucl Med 3(8):337-8, Aug 78  
ADRENAL GLAND NEOPLASMS/ CASE  
REPORT/ CHILD, PRESCHOOL/ FEMALE/  
\*FEMORAL NEOPLASMS, radionuclide imaging/  
\*FEMUR, radionuclide imaging/ HUMAN/ \*LIVER,  
radionuclide imaging/ NEOPLASM METASTASIS/  
\*NEUROBLASTOMA, radionuclide imaging
4129. Vale W, Rivier C, Brown M, et al: Applications of  
adenohypophyseal cell cultures to neuroendocrine studies.  
Curr Top Mol Endocrinol 3:397-429, 1976 (72 ref.)  
ANIMAL/ CLOSTRIDIOPEPTIDASE A/  
CORTICOTROPIN RELEASING HORMONE,  
isolation & purification/ LH-FSH RELEASING  
HORMONE, analogs & derivatives/ LH-FSH  
RELEASING HORMONE, pharmacodynamics/  
MALE/ PITUITARY GLAND, ANTERIOR,  
cytology/ PITUITARY GLAND, ANTERIOR, drug  
effects/ \*PITUITARY GLAND, ANTERIOR,  
physiology/ \*PITUITARY HORMONE RELEASE  
INHIBITING HORMONES, pharmacodynamics/  
\*PITUITARY HORMONE RELEASING  
HORMONES, pharmacodynamics/ PROLACTIN  
RELEASE INHIBITING HORMONE, isolation &  
purification/ PROLACTIN RELEASE INHIBITING  
HORMONE, pharmacodynamics/ REVIEW/  
SOMATOTROPIN RELEASE INHIBITING  
HORMONE, analogs & derivatives/  
SOMATOTROPIN RELEASE INHIBITING  
HORMONE, isolation & purification/  
SOMATOTROPIN RELEASE INHIBITING  
HORMONE, pharmacodynamics/ SOMATOTROPIN,  
secretion/ STRUCTURE-ACTIVITY
- RELATIONSHIP/ THYROTROPIN RELEASING  
HORMONE, analogs & derivatives/ THYROTROPIN,  
secretion/ THYROXINE, pharmacodynamics/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
4130. Vale W, Rivier C, Brown M, et al: Pharmacology of  
hypothalamic regulatory peptides. Clin Endocrinol (Oxf) 5  
Suppl:261S-273S, 1976 (41 ref.)  
AMINO ACID SEQUENCE/ ANIMAL/ BINDING,  
COMPETITIVE/ CELLS, CULTURED/ FEMALE/  
FSH, blood/ INSULIN, secretion/ LH, blood/ LH-FSH  
RELEASING HORMONE, analogs & derivatives/  
LH-FSH RELEASING HORMONE, antagonists &  
inhibitors/ LH-FSH RELEASING HORMONE,  
pharmacodynamics/ MALE/ PANCREAS, secretion/  
PITUITARY GLAND, metabolism/ PITUITARY  
GLAND, secretion/ \*PITUITARY HORMONE  
RELEASING HORMONES, pharmacodynamics/  
RATS/ REVIEW/ SOMATOTROPIN RELEASE  
INHIBITING HORMONE, analogs & derivatives/  
SOMATOTROPIN RELEASE INHIBITING  
HORMONE, pharmacodynamics/ SOMATOTROPIN,  
secretion/ STRUCTURE-ACTIVITY  
RELATIONSHIP/ THYROTROPIN RELEASING  
HORMONE, analogs & derivatives/ THYROTROPIN  
RELEASING HORMONE, metabolism/  
THYROTROPIN RELEASING HORMONE,  
pharmacodynamics/ THYROTROPIN, metabolism/  
TIME FACTORS/ UNITED STATES GOV'T  
SUPPORTED/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
4131. Valles M, Botey A, Bergada E, et al: Indometacina en el  
síndrome de Bartter. Rev Clin Esp 149(6):601-5, 30 Jun 78  
(Spa)  
ANGIOTENSIN II, therapeutic use/ BARTTER'S  
DISEASE, diagnosis/ \*BARTTER'S DISEASE, drug  
therapy/ CASE REPORT/ CHILD/ DILATATION,  
PATHOLOGIC, diagnosis/ DILATATION,  
PATHOLOGIC, drug therapy/ FEMALE/ HUMAN/  
\*HYPERALDOSTERONISM, drug therapy/  
\*INDOMETHACIN, therapeutic use/  
NEPHROCALCINOSIS, diagnosis/  
NEPHROCALCINOSIS, drug therapy/ URETERAL  
DISEASES, diagnosis/ URETERAL DISEASES, drug  
therapy
4132. Valls Fontanals A, Dubois JB, Pourquier H: Seminoma  
testicular: su tratamiento y resultados sobre 33 casos.  
Actas Urol Esp 2(4):179-82, Jul-Aug 78 (Eng. Abstr.)  
(Spa)  
ADULT/ CASTRATION/ COMPARATIVE  
STUDY/ DYSGERMINOMA, pathology/  
\*DYSGERMINOMA, radiotherapy/  
DYSGERMINOMA, surgery/ ENGLISH  
ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/  
TESTICULAR NEOPLASMS, pathology/  
\*TESTICULAR NEOPLASMS, radiotherapy/  
TESTICULAR NEOPLASMS, surgery
4133. Valverde R C: Avances en neuroendocrinología.  
Neurol Neurocir Psiquiatr 16(1):25-48, 1975 (Eng. Abstr.)  
(Spa)  
BIBLIOGRAPHY/ ENGLISH ABSTRACT/  
FEMALE/ HUMAN/ \*HYPOTHALAMIC  
HORMONES, physiology/ HYPOTHALAMIC  
HORMONES, secretion/  
\*HYPOTHALAMO-HYPOPHYSEAL SYSTEM,  
physiology/ IN VITRO/ MALE/  
\*PITUITARY-ADRENAL SYSTEM, physiology
4134. van Brummelen P, Schalekamp M, de Graeff J: Influence of  
sodium intake on hydrochlorothiazide-induced changes in  
blood pressure, serum electrolytes, renin and aldosterone in  
essential hypertension. Acta Med Scand 204(3):151-7, 1978  
ADULT/ ALDOSTERONE, blood/ BLOOD  
PRESSURE, drug effects/ BODY WEIGHT, drug  
effects/ \*DIET, SALT-FREE/ HUMAN/  
HYDROCHLOROTHIAZIDE, adverse effects/  
\*HYDROCHLOROTHIAZIDE, therapeutic use/  
\*HYPERTENSION, drug therapy/ HYPOTENSION,  
ORTHOSTATIC, etiology/ MALE/ MIDDLE AGE/  
POTASSIUM, blood/ PULSE, drug effects/ RENIN,  
blood/ \*SODIUM/ SODIUM, blood
4135. Van Cauter E, Dumont JE: Cross inhibition models for the  
transmission of hormonal signals. J Theor Biol 73(4):657-77,  
21 Aug 78  
CIRCADIAN RHYTHM/ CORTICOTROPIN, blood/  
HORMONE ANTAGONISTS/ \*HORMONES,



## AUTHOR SECTION

- physiology/ HUMAN/ MALE/ \*MODELS, BIOLOGICAL/ NEUROHUMORS, physiology/ RECEPTORS, HORMONE, physiology
4136. van den Berg GB, van Berkel TJ, Koster JF: Cyclic AMP-dependent inactivation of human liver pyruvate kinase. *Biochem Biophys Res Commun* 82(3):859-64, 14 Jun 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ CYTOSOL, enzymology/ DEPRESSION, CHEMICAL/ HUMAN/ INFANT/ KINETICS/ \*LIVER, enzymology/ PHOSPHOENOLPYRUVATE, metabolism/ PHOSPHORYLATION/ \*PYRUVATE KINASE, antagonists & inhibitors
  4137. van den Broek PJ, de Graeff J: Enkele aspecten van het feochromocytoom. *Ned Tijdschr Geneesk* 122(46):1795-801, 18 Nov 78 (Eng. Abstr.) (Dut)  
ADOLESCENCE/ \*ADRENAL GLAND NEOPLASMS, diagnosis/ ADRENAL GLAND NEOPLASMS, surgery/ ADULT/ AGED/ AORTOGRAPHY/ CASE REPORT/ CATECHOLAMINES, urine/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MIDDLE AGE/ \*PHEOCHROMOCYTOMA, diagnosis/ PHEOCHROMOCYTOMA, surgery/ PHLEBOGRAPHY/ PNEUMOPERITONEUM, ARTIFICIAL/ PREGNANCY/ UROGRAPHY
  4138. Van der Kloot W: Calcium and neuromuscular transmission. pp. 261-87.  
In: Weiss GB, ed. *Calcium in drug action*. New York, Plenum Press, 1978. QV 276 S989c 1977. (100 ref.)  
ACETYLCHOLINE, metabolism/ ACTION POTENTIALS/ ANIMAL/ ANTIMETABOLITES, pharmacodynamics/ CALCIUM, metabolism/ \*CALCIUM, physiology/ CATIONS, pharmacodynamics/ IN VITRO/ METALS, pharmacodynamics/ MONOGRAPH/ MOTOR ENDPLATE, physiology/ \*NEURAL TRANSMISSION/ NEURAL TRANSMISSION, drug effects/ NEUROMUSCULAR JUNCTION, drug effects/ NEUROMUSCULAR JUNCTION, metabolism/ \*NEUROMUSCULAR JUNCTION, physiology/ REVIEW/ SCHWANN CELLS, drug effects/ SCHWANN CELLS, metabolism/ SCHWANN CELLS, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
  4139. van der Woude FJ, Arisz L, Meijer S, et al: Wegener's granulomatosis. A clinicopathological study in twelve patients. *Neth J Med* 21(5):205-20, 1978  
ADULT/ AGED/ AZATHIOPRINE, therapeutic use/ CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ PREDNISONE, therapeutic use/ PROGNOSIS/ RETROSPECTIVE STUDIES/ \*WEGENER'S GRANULOMATOSIS/ WEGENER'S GRANULOMATOSIS, diagnosis/ WEGENER'S GRANULOMATOSIS, drug therapy/ WEGENER'S GRANULOMATOSIS, pathology
  4140. Van der Zee P, Hespe W: A comparison of the inhibitory effects of aromatic substituted benzhydryl ethers on the uptake of catecholamines and serotonin into synaptosomal preparations of the rat brain. *Neuropharmacology* 17(7):483-90, Jul 78  
ANIMAL/ ANTIDEPRESSIVE AGENTS, pharmacodynamics/ \*BENZHYDRYL COMPOUNDS, pharmacodynamics/ \*BRAIN, metabolism/ BRAIN, ultrastructure/ \*CATECHOLAMINES, metabolism/ COMPARATIVE STUDY/ DEPRESSION, CHEMICAL/ IN VITRO/ MALE/ RATS/ \*SEROTONIN, metabolism/ SYNAPTOSOMES, drug effects/ \*SYNAPTOSOMES, metabolism
  4141. Van Doorn E, Bruchovsky N: Mechanisms of replenishment of nuclear androgen receptor in rat ventral prostate. *Biochem J* 174(1):9-16, 15 Jul 78  
ANIMAL/ CASTRATION/ CELL NUCLEUS, metabolism/ CYTOPLASM, metabolism/ IN VITRO/ MALE/ PROSTATE, cytology/ \*PROSTATE, metabolism/ RATS/ \*RECEPTORS, ANDROGEN, metabolism/ \*RECEPTORS, STEROID, metabolism/ STANOLONE, metabolism/ TESTOSTERONE, metabolism
  4142. van Lier JE, Kan G, Autenrieth D, et al: Steroid-nucleosides. *Cancer Treat Rep* 62(8):1251-3, Aug 78  
ANIMAL/ \*ANTINEOPLASTIC AGENTS, chemical synthesis/ ANTINEOPLASTIC AGENTS, therapeutic use/ FEMALE/ LEUKEMIA L1210, drug therapy/ MICE/ \*NUCLEOSIDES, chemical synthesis/ NUCLEOSIDES, metabolism/ NUCLEOSIDES, pharmacodynamics/ RATS, INBRED F344/ RECEPTORS, STEROID, metabolism/ \*STEROID, chemical synthesis/ STEROIDS, metabolism/ STEROIDS, pharmacodynamics
  4143. Van Loon GR: Bromocriptine-induced inhibition of plasma dopamine, noradrenaline and adrenaline responses to LH-RF. *Nature* 275(5678):331-2, 28 Sep 78  
ADULT/ \*DOPAMINE, blood/ \*EPINEPHRINE, blood/ HUMAN/ \*LH-FSH RELEASING HORMONE, antagonists & inhibitors/ MALE/ MIDDLE AGE/ \*NOREPINEPHRINE, blood/ PROLACTIN, blood/ RECEPTORS, DOPAMINE, drug effects/ \*2-BROMOERGOCRYPTINE, pharmacodynamics
  4144. Van Loon GR, Sole MJ, Kamhle A, et al: Differential responsiveness of central noradrenergic and dopaminergic neuron tyrosine hydroxylase to hypophysectomy, ACTH glucocorticoid administration. *Ann NY Acad Sci* 297:284-28, Oct 77  
ANIMAL/ BRAIN, drug effects/ \*BRAIN, metabolism/ \*CORTICOTROPIN, metabolism/ CORTICOTROPIN, pharmacodynamics/ DOPAMINE, metabolism/ BETA-HYDROXYLASE, metabolism/ \*DOPAMINE, metabolism/ HYPOTHALAMUS, metabolism/ \*NOREPINEPHRINE, metabolism/ PITUITARY GLAND, metabolism/ RATS/ TYROSINE HYDROXYLASE, metabolism
  4145. van Loon GR, Kim C: beta-Endorphin-induced increase striatal dopamine turnover. *Life Sci* 23(9):961-70, 4 Sep 78  
ANIMAL/ CORPUS STRIATUM, drug effects/ \*CORPUS STRIATUM, metabolism/ \*DOPAMINE, metabolism/ \*ENDORPHINS, pharmacodynamics/ HOMOVANILLIC ACID, metabolism/ MALE/ METHYLTYROSINES, pharmacodynamics/ PARGYLINE, pharmacodynamics/ RATS/ 3,4-DIHYDROXYPHENYLACETIC ACID, pharmacodynamics
  4146. Van Loon GR: A defect in catecholamine neurons in patient with prolactin-secreting pituitary adenoma. *Lancet* 2(8095):868-71, 21 Oct 78  
\*ADENOMA, secretion/ ADMINISTRATION, ORAL/ \*BRAIN, pathology/ \*DOPAMINE, blood/ \*EPINEPHRINE, blood/ FEMALE/ HUMAN/ MALE/ \*NEOPLASTIC ENDOCRINE-LIKE SYNDROMES, secretion/ NOREPINEPHRINE, blood/ \*PITUITARY NEOPLASMS, secretion/ \*PROLACTIN, secretion/ \*RECEPTORS, ADRENERGIC, metabolism/ 2-BROMOERGOCRYPTINE, administration & dosage/ 2-BROMOERGOCRYPTINE, pharmacodynamics
  4147. van Loon GR, De Souza EB: Effects of beta-endorphin on brain serotonin metabolism. *Life Sci* 23(9):971-8, 4 Sep 78  
ANIMAL/ BRAIN, drug effects/ \*BRAIN, metabolism/ \*ENDORPHINS, pharmacodynamics/ HYDROXYINDOLEACETIC ACID, metabolism/ MALE/ PARGYLINE, pharmacodynamics/ PROBENECID, pharmacodynamics/ RATS/ \*SEROTONIN, metabolism
  4148. Vanos JL, Oldenkamp EP: Oestrus control in bitches with proligestone, a new progestational steroid. *J Small Anim Pract* 19(9):521-9, Sep 78  
ANIMAL/ \*DOGS, physiology/ \*ESTRUS, drug effects/ FEMALE/ \*PROGESTERONE, analogs derivatives/ PROGESTERONE, pharmacodynamics/ PROGESTERONE, therapeutic use
  4149. van Ree JM, Bohus B, Versteeg DH, et al: Neurohypophyseal principles and memory processes. *Biochem Pharmacol* 27(14):1793-800, 1978 (113 ref.)  
AMNESIA, physiopathology/ ANIMAL/ CATECHOLAMINES, physiology/ DIACETYLMORPHINE, pharmacodynamics/ DRUG TOLERANCE/ HUMAN/ \*MEMORY, physiology/ MORPHINE, pharmacodynamics/ \*PITUITARY GLAND, POSTERIOR, physiology/ REVIEW/ SE administration
  4150. van Ruijven-Vermeer IA, Nieuwenhuizen W, Noolen WJ: binding of rat fibrinogen and fibrin(ogen) degradation products. *FEBS Lett* 93(1):177-80, 1 Sep 78  
ANIMAL/ BINDING SITES/ \*CALCIUM, metabolism/ EGTA, metabolism/ \*FIBRIN



# AUTHOR SECTION

- FIBRINOGEN DEGRADATION PRODUCTS,  
metabolism/ \*FIBRINOGEN, metabolism/  
KINETICS/ PROTEIN BINDING/ RATS
4151. van Straaten HW, Ribbers-de Ridder R, Wensing CJ: Early deviations of testicular Leydig cells in the naturally unilateral cryptorchid pig. *Biol Reprod* 19(1):171-6, Aug 78  
ANIMAL/ CELL DIFFERENTIATION/  
\*CRYPTORCHISM, pathology/  
HYDROXYSTEROID DEHYDROGENASES,  
metabolism/ LATERALITY/ LEYDIG CELLS,  
enzymology/ \*LEYDIG CELLS, pathology/ MALE/  
\*SWINE, physiology/ TEMPERATURE
4152. Van Wormhoudt A, Bellon C, Le Roux A: Influence des formation endocrines sur l'incorporation de leucine tritiée dans les protéines de l'hépatopancréas chez la crevette *Palaemon serratus* Pennant. *Gen Comp Endocrinol* 35(3):263-73, Jul 78 (Eng. Abstr.) (Fre)  
ANIMAL/ ECDYSTERONE, pharmacodynamics/  
\*ENDOCRINE GLANDS, physiology/ ENGLISH  
ABSTRACT/ LIVER, metabolism/  
METAMORPHOSIS, BIOLOGICAL/ PANCREAS,  
metabolism/ \*PROTEINS, biosynthesis/ \*SHRIMP,  
metabolism/ TISSUE EXTRACTS
4153. Van Wyk JJ, Underwood LE: Growth hormone, somatomedins, and growth failure. *Hosp Pract* 13(8):57-67, Aug 78  
ADOLESCENCE/ BONE DEVELOPMENT/  
CARTILAGE, growth & development/ CHILD/  
DWARFISM, PITUITARY, diagnosis/ DWARFISM,  
PITUITARY, drug therapy/ \*DWARFISM,  
PITUITARY, physiopathology/ HUMAN/  
HYPOGLYCEMIA, complications/  
HYPOGLYCEMIA, drug therapy/  
HYPOPITUITARISM, complications/ MALE/  
\*SOMATOMEDIN, physiology/ \*SOMATOTROPIN,  
physiology/ SOMATOTROPIN, secretion/  
SOMATOTROPIN, therapeutic use
4154. van Zoelen EJ, Blok MC, Stafleu GP, et al: A molecular basis for an irreversible thermodynamic description on non-electrolyte permeation through lipid bilayers. *Biochim Biophys Acta* 511(3):320-34, 17 Aug 78  
GLUCOSE/ GLYCERIN/ \*LIPOSOMES/  
OSMOLAR CONCENTRATION/ PERMEABILITY/  
PHOSPHATIDIC ACIDS/  
PHOSPHATIDYLCHOLINES/ TEMPERATURE/  
THERMODYNAMICS/ THIOUREA/ UREA/  
WATER
4155. Van Zoelen EJ, Henriques de Jesus C, de Jonge E, et al: Non-electrolyte permeability as a tool for studying membrane fluidity. *Biochim Biophys Acta* 511(3):335-47, 17 Aug 78  
CHEMISTRY, PHYSICAL/ CHOLESTEROL/  
FATTY ACIDS/ GLYCERIN/ \*MEMBRANE  
FLUIDITY/ \*MEMBRANES, ARTIFICIAL/  
PERMEABILITY/ PHOSPHATIDIC ACIDS/  
PHOSPHATIDYLCHOLINES/ TEMPERATURE/  
THERMODYNAMICS/ \*THIOUREA/ WATER
4156. Vapaatalo H, Parantainen J: Prostaglandins; their biological and pharmacological role. *Med Biol* 56(4):163-83, Aug 78  
ANIMAL/ CARDIOVASCULAR SYSTEM,  
physiology/ CENTRAL NERVOUS SYSTEM,  
physiology/ CHEMISTRY/ FEMALE/ FEVER,  
physiopathology/ GASTROINTESTINAL SYSTEM,  
physiology/ HUMAN/ INFLAMMATION,  
physiopathology/ KIDNEY, physiology/ NEURAL  
TRANSMISSION/ NOMENCLATURE/ PAIN,  
physiopathology/ PREGNANCY/  
PROSTAGLANDIN ENDOPEROXIDES,  
physiology/ PROSTAGLANDINS X, physiology/  
PROSTAGLANDINS, metabolism/  
PROSTAGLANDINS, pharmacodynamics/  
\*PROSTAGLANDINS, physiology/ RECEPTORS,  
PROSTAGLANDIN, physiology/ RESPIRATORY  
SYSTEM, physiology/ SKIN, physiopathology/  
SYMPATHETIC NERVOUS SYSTEM, physiology/  
THROMBOXANES, physiology
4157. Varano L, Laforgia V, D'Uva V, et al: Possible relationship between the activity of the adrenal gland and the subcommissural organ in the lizard *Lacerta s. sculara* Raf. Effects of ACTH Administration during winter. *Cell Tissue Res* 192(1):53-65, 25 Aug 78  
\*ADRENAL GLANDS, drug effects/ ADRENAL  
GLANDS, physiology/ ADRENAL GLANDS,  
ultrastructure/ ANIMAL/ \*COLD/ COMPARATIVE  
STUDY/ \*CORTICOTROPIN, pharmacodynamics/  
CYTOPLASMIC GRANULES, ultrastructure/  
LIZARDS, anatomy & histology/ \*LIZARDS,  
physiology/ MALE/ \*NEUROSECRETORY  
SYSTEMS, drug effects/ \*SEASONS/  
\*SUBCOMMISSURAL ORGAN, drug effects/  
SUBCOMMISSURAL ORGAN, physiology/  
SUBCOMMISSURAL ORGAN, ultrastructure
4158. Varma VK, Amma MK, Ghosh A: Individual steroid hormones in schizophrenic males. *Indian J Med Res* 67:443-52, Mar 78  
ACUTE DISEASE/ ADULT/ CHRONIC DISEASE/  
COMPARATIVE STUDY/ HUMAN/ MALE/  
NEUROSES, ANXIETY, metabolism/  
\*SCHIZOPHRENIA, metabolism/  
\*17-HYDROXYCORTICOSTEROIDS, metabolism/  
\*17-KETOSTEROIDS, metabolism
4159. Vasantha K, Rao SR: X-chromosome inactivation in an individual of *Nesokia indica* with heterozygous deletion C-heterochromatin. *Indian J Exp Biol* 16(6):726-7, Jun 78  
ANIMAL/ \*CHROMOSOME DELETION/  
FEMALE/ \*HETEROCHROMATIN/  
HETEROZYGOTE/ \*RODENTS, genetics/ \*SEX  
CHROMOSOMES/ \*X CHROMOSOME
4160. Vashchenko EA: Sostoianie gemodinamiki v karotidnom i vertebro-baziliarnom basseinakh pri porazhenii gipotalamusa. *Fiziol Zh* 24(5):699-704, Sep-Oct 78 (Eng. Abstr.) (Rus)  
ADULT/ BRAIN DISEASES, physiopathology/  
\*CEREBROVASCULAR CIRCULATION/  
COMPARATIVE STUDY/ ENGLISH ABSTRACT/  
HUMAN/ \*HYPOTHALAMUS/ MIDDLE AGE/  
SYNDROME
4161. Vaught JL, Takemori AE: Characterization of leucine and methionine enkephalin and their interaction with morphine on the guinea pig ileal longitudinal muscle. *Res Commun Chem Pathol Pharmacol* 21(3):391-407, Sep 78  
ANIMAL/ DRUG INTERACTIONS/ DRUG  
TOLERANCE/ ELECTRIC STIMULATION/  
\*ENDORPHINS, pharmacodynamics/  
\*ENKEPHALINS, pharmacodynamics/ GUINEA  
PIGS/ ILEUM, drug effects/ IN VITRO/ MALE/  
\*MORPHINE, pharmacodynamics/ \*MUSCLE  
CONTRACTION, drug effects/ \*MUSCLE, SMOOTH,  
drug effects/ NALORPHINE, pharmacodynamics/  
UNITED STATES GOV'T SUPPORTED, P.H.S.
4162. Vázquez E, Vázquez P: Estudio de una inmunología simplificada para el diagnóstico del embarazo. *Ginecol Obstet Mex* 43(260):419-28, Jun 78 (Spa)  
COMPARATIVE STUDY/ FEMALE/  
\*GONADOTROPINS, CHORIONIC, urine/  
HUMAN/ \*LH, urine/ \*PREGNANCY TESTS,  
IMMUNOLOGIC, methods/ PREGNANCY
4163. Veinberg EG, Sabakhtarashvili MA, Kandelaki LA, et al: Sostoianie uglevodnogo obmena u bol'nykh gipotalamicheskim sindromom pubertarnogo perioda. *Pediatrica* (9):60-2, Sep 78 (Rus)  
ADOLESCENCE/ \*BRAIN DISEASES, metabolism/  
\*CARBOHYDRATES, metabolism/ CHILD/  
FEMALE/ HUMAN/ \*HYPOTHALAMUS/  
HYPOTHALAMUS, metabolism/ MALE/  
\*PUBERTY/ SYNDROME
4164. Veinberg EG, Markarova OS, Tskhovrebashvili LSh, et al: Gonadotronaia funktsiia gipofiza pri razlichnykh formakh disgenезii gonad. *Akush Ginekol (Mosk)* (8):20-4, Aug 78 (Eng. Abstr.) (Rus)  
ADOLESCENCE/ ADULT/ ENGLISH  
ABSTRACT/ FEMALE/ FSH, blood/  
\*GONADOTROPINS, PITUITARY, physiology/  
HUMAN/ LH, blood/ MENSTRUATION/  
\*PITUITARY GLAND, physiopathology/  
\*TURNER'S SYNDROME, physiopathology
4165. Velický J, Titlbach M, Rychter Z, et al: Light and electron microscopy observations in the thyroid gland of the pheasant (*Phasianus colchicus* L.). *Z Mikrosk Anat Forsch* 91(3):460-74, 1977  
ANIMAL/ \*BIRDS, anatomy & histology/ COLD/  
CYTOPLASM, ultrastructure/ EPITHELIUM,  
ultrastructure/ FEMALE/ MALE/ SEASONS/  
\*THYROID GLAND, anatomy & histology/  
THYROID GLAND, ultrastructure
4166. Velikaia RR, Il'in VN: Vliianie proopticheskoi oblasti na vyzvannye svetom reaktsii neironov zritel'noi kory i



# AUTHOR SECTION

- lateral'nogo kolenchatogo tela. Fiziol Zh 24(5):620-6, Sep-Oct 78 (Rus)  
ANIMAL/ BRAIN MAPPING/ \*GENICULATE BODIES, physiology/ \*HYPOTHALAMUS, physiology/ NEURAL PATHWAYS, physiology/ \*PREOPTIC AREA, physiology/ RABBITS/ \*VISUAL CORTEX, physiology/ \*VISUAL PERCEPTION, physiology
4167. Veljanovski A, Nasteviski K: Struma ovarii. Jugosl Ginekol Opstet 17(4):233-4, Jul-Aug 77 (Eng. Abstr.) (Scr)  
CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MIDDLE AGE/ \*OVARIAN NEOPLASMS, diagnosis/ \*STRUMA OVARI, diagnosis
4168. Vellieux F, Saint-Jacques I, Loubry P, et al: A propos de trois observations récentes de syndrome de Noonan. Sem Hop Paris 54(5-8):335-43, Mar 78 (Eng. Abstr.) (Fre)  
CASE REPORT/ CHILD/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HEART DEFECTS, CONGENITAL, complications/ HUMAN/ INFANT/ KARYOTYPING/ MALE/ MENTAL RETARDATION, complications/ \*NOONAN SYNDROME, diagnosis/ PHENOTYPE/ SEX FACTORS/ TURNER'S SYNDROME, diagnosis
4169. Vellucci SV: The effects of reserpine on hypothalamo-pituitary adrenocortical function. Gen Pharmacol 9(5):275-85, 1978 (98 ref.)  
ANIMAL/ CORTICOTROPIN, metabolism/ \*HYPOTHALAMO-HYPOPHYSAL SYSTEM, drug effects/ PITUITARY GLAND, drug effects/ PITUITARY-ADRENAL SYSTEM, drug effects/ \*RESERPINE, pharmacodynamics/ REVIEW
4170. Venetianer A, Bajnoczy K, Gal A, et al: Isolation and characterization of L-cell variants with altered sensitivity to glucocorticoids. Somatic Cell Genet 4(5):513-30, Sep 78  
CELL DIVISION, drug effects/ CELL NUCLEUS, metabolism/ CYTOSOL, metabolism/ \*DEXAMETHASONE, pharmacodynamics/ HYBRID CELLS, metabolism/ \*L CELLS, drug effects/ L CELLS, metabolism/ RECEPTORS, GLUCOCORTICOID, genetics/ \*RECEPTORS, GLUCOCORTICOID, metabolism/ \*RECEPTORS, STEROID, metabolism/ STEROIDS, pharmacodynamics
4171. Ventz M, Ramm B, Meng W, et al: Klinische und diagnostische Aspekte bei hormoninaktiven Hypophysentumoren. Z Aerzt Fortbild (Jena) 72(15):703-7, 1 Aug 78 (Ger)  
\*ADENOMA, diagnosis/ ADENOMA, surgery/ ANGIOGRAPHY/ CAROTID ARTERIES/ ELECTROENCEPHALOGRAPHY/ FEMALE/ GONADOTROPINS, PITUITARY, secretion/ HUMAN/ MALE/ MIDDLE AGE/ \*PITUITARY NEOPLASMS, diagnosis/ SELLA TURCICA, radiography/ THYROID HORMONES, secretion/ VISION TESTS
4172. Verder H, Felbo M, Fonseca G, et al: Lecithin-spinyomyelin ratio in amniotic fluid for determination of the optimal time of termination of pregnancy. Dan Med Bull 25(5):212-7, Oct 78  
\*AMNIOTIC FLUID, analysis/ \*CESAREAN SECTION/ FEMALE/ GESTATIONAL AGE/ HUMAN/ INFANT, NEWBORN/ \*LABOR, INDUCED/ METHYLPREDNISOLONE, therapeutic use/ \*PHOSPHATIDYLCHOLINES, analysis/ PREGNANCY COMPLICATIONS, metabolism/ PREGNANCY/ \*RESPIRATORY DISTRESS SYNDROME, prevention & control/ \*SPHINGOMYELINS, analysis
4173. Verma IC, Prakhya BM, Malhotra AK: Study of sex chromosomal aneuploidy in an Indian prison population. Indian J Med Res 67:493-8, Mar 78  
ADOLESCENCE/ ADULT/ \*ANEUPLOIDY/ HUMAN/ INDIA/ MALE/ MIDDLE AGE/ \*PRISONERS/ SEX CHROMATIN/ \*SEX CHROMOSOME ABNORMALITIES, occurrence/ XXX KARYOTYPE, occurrence
4174. Verma U, Kapur MM, Laumas KR: Characterization of progesterone receptors and metabolism of progesterone in the normal and cancerous human mammary gland. J Steroid Biochem 9(6):569-77, Jun 78  
ADULT/ BINDING SITES/ BINDING, COMPETITIVE/ \*BREAST NEOPLASMS, metabolism/ \*BREAST, metabolism/ CELL NUCLEUS, metabolism/ COMPARATIVE STUDY/ CYTOSOL, metabolism/ DIHYDROPROGESTERONE, metabolism/ FEMALE/ HUMAN/ MICROSOMES, metabolism/ MIDDLE AGE/ MITOCHONDRIA, metabolism/ MOLECULAR WEIGHT/ \*PROGESTERONE, metabolism/ \*RECEPTORS, PROGESTERONE, metabolism
4175. Vernikos-Danellis J, Kellar KJ, Kent D, et al: Serotonin involvement in pituitary-adrenal function. Ann NY Acad Sci 297:518-26, 28 Oct 77  
ANIMAL/ HYPOTHALAMUS/ NEURAL PATHWAYS/ PITUITARY-ADRENAL SYSTEM, physiology/ RAPHE NUCLEI/ \*SEROTONIN, physiology
4176. Vernon BG, Buttery PJ: The time course of the response of rat protein metabolism to trenbolone acetate. Proc Nutr Soc 37(2):56A, Sep 78  
ANIMAL/ \*ESTRENES, pharmacodynamics/ FEMALE/ LIVER, metabolism/ MUSCLES, metabolism/ MYOCARDIUM, metabolism/ \*PROTEINS, metabolism/ RATS/ RNA, metabolism/ \*TRENBOLONE, pharmacodynamics/ UTERUS, metabolism
4177. Verrier RL, Lown B: Neural influences and sudden cardiac death. Adv Cardiol 25:155-68, 1978 (41 ref.)  
ADRENERGIC BETA RECEPTOR BLOCKADERS/ ANIMAL/ ARRHYTHMIA, complications/ \*ARRHYTHMIA, etiology/ ARRHYTHMIA, physiopathology/ BRAIN, physiopathology/ \*DEATH, SUDDEN, etiology/ DEATH, SUDDEN, physiopathology/ DOGS/ ELECTRIC STIMULATION/ ELECTROCARDIOGRAPHY/ \*HEART CONDUCTION SYSTEM, physiopathology/ REVIEW/ SEROTONIN, physiology/ STELLATE GANGLION, physiopathology/ STRESS, PSYCHOLOGICAL/ \*SYMPATHETIC NERVOUS SYSTEM, physiopathology/ VAGUS NERVE, physiopathology/ VENTRICULAR FIBRILLATION, complications/ VENTRICULAR FIBRILLATION, physiopathology
4178. Verrina F: Esperienza clinica dell'ormone calcitonina (CT) nella patologia ortopedica e traumatologica. Chir Organi Mov 63(6):551-7, 1977 (Eng. Abstr.) (It)  
AGED/ \*ARTHRITIS, RHEUMATOID, drug therapy/ \*BONE DISEASES, drug therapy/ \*BONE NEOPLASMS, drug therapy/ \*CALCITONIN, therapeutic use/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ \*FRACTURES, drug therapy/ HUMAN/ MALE/ MIDDLE AGE/ OSTEITIS DEFORMANS, drug therapy/ OSTEOPOROSIS, drug therapy/ \*PLASMACYTOMA, drug therapy/ PSEUDARTHROSIS, drug therapy/ SPINAL DISEASES, drug therapy
4179. Vesely DL, Levey GS: Nicotine decreases guanylate cyclase activity. Bull Environ Contam Toxicol 20(1):31-4, Jul 78  
ANIMAL/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ \*GUANYL CYCLASE, antagonists & inhibitors/ IN VITRO/ MALE/ \*NICOTINE, pharmacodynamics/ RATS/ UNITED STATES GOVT SUPPORTED, P.H.S.
4180. Věšin S: Renální osteopatie. Cesk Radiol 32(4):257-65, Jul 78 (Eng. Abstr.) (Cz)  
ADULT/ ENGLISH ABSTRACT/ FINGERS, radiography/ HUMAN/ KIDNEY FAILURE, CHRONIC, complications/ MIDDLE AGE/ OSTEOMALACIA, radiography/ \*RENAL OSTEOYSTROPHY, radiography/ SPINAL DISEASES, radiography
4181. Vessey MP: Contraceptive methods: risks and benefits. Br Med J 2(6139):721-2, 9 Sep 78  
ADENOMA, chemically induced/ ADULT/ CARDIOVASCULAR DISEASES, chemically induced/ \*CONTRACEPTION, methods/ CONTRACEPTIVE DEVICES, FEMALE, adverse effects/ \*CONTRACEPTIVES, ORAL, adverse effects/ \*CONTRACEPTIVES, ORAL, COMBINED, adverse effects/ FAMILY PLANNING/ FEMALE/ FOLLOW-UP STUDIES/ GENITAL DISEASES,



## AUTHOR SECTION

- FEMALE, etiology/ HUMAN/ \*INTRAUTERINE DEVICES, adverse effects/ LIVER NEOPLASMS, chemically induced/ PREGNANCY/ RISK
4182. Vetter H, Vetter W: Control of plasma aldosterone in a patient with Conn's syndrome before and during spironolactone medication. *Klin Wochenschr* 53(8):391-3, 15 Apr 75  
ADENOMA, secretion/ ADRENAL GLAND NEOPLASMS, secretion/ \*ALDOSTERONE, blood/ ALDOSTERONE, secretion/ ANGIOTENSIN II, blood/ CASE REPORT/ CORTICOTROPIN, secretion/ FEMALE/ HUMAN/ HYDROCORTISONE, blood/ \*HYPERALDOSTERONISM, drug therapy/ MIDDLE AGE/ RENIN, blood/ SECRETORY RATE, drug effects/ \*SPIRONOLACTONE, pharmacodynamics/ SPIRONOLACTONE, therapeutic use
4183. Viala JL: Bases thérapeutiques des menaces d'avortements. *J Gynecol Obstet Biol Reprod (Paris)* 7(3 Pt 2):678-82, Apr 78 (Eng. Abstr.) (Fre)  
\*ABORTION, THREATENED, drug therapy/ ADRENERGIC ALPHA RECEPTOR BLOCKADERS, therapeutic use/ ADRENERGIC BETA RECEPTOR AGONISTS, therapeutic use/ ENGLISH ABSTRACT/ ESTROGENS, therapeutic use/ FEMALE/ GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ PREGNANCY/ PROGESTATIONAL HORMONES, therapeutic use/ PROGESTERONE, therapeutic use
4184. Vic P, Garcia M, André J, et al: Effet précoce de l'aestradiol sur l'ultrastructure de la chromatine dans l'endomètre et les tumeurs mammaires hormonodépendantes. *C R Acad Sci [D] (Paris)* 287(3):141-4, 17 Jul 78 (Eng. Abstr.) (Fre)  
ADENOCARCINOMA, chemically induced/ ADENOCARCINOMA, ultrastructure/ ANIMAL/ \*CHROMATIN, drug effects/ CHROMATIN, ultrastructure/ \*ENDOMETRIUM, ultrastructure/ ENGLISH ABSTRACT/ \*ESTRADIOL, pharmacodynamics/ FEMALE/ HETEROCHROMATIN, drug effects/ IN VITRO/ MAMMARY NEOPLASMS, EXPERIMENTAL, chemically induced/ \*MAMMARY NEOPLASMS, EXPERIMENTAL, ultrastructure/ NEOPLASMS, HORMONE-DEPENDENT, chemically induced/ \*NEOPLASMS, HORMONE-DEPENDENT, ultrastructure/ PROGESTERONE, pharmacodynamics/ RATS/ RECEPTORS, ESTROGEN, drug effects/ SHEEP/ STANOLONE, pharmacodynamics/ TAMOXIFEN, pharmacodynamics/ TIME FACTORS/ 9,10-DIMETHYL-1,2-BENZANTHRACENE
4185. Vidal Secanell JM, Maudes Rodríguez A: Miastenia gravis: tratamiento con dosis masivas de corticoides y timectomia. *Rev Clin Esp* 150(1-2):19-23, Jul 78 (Eng. Abstr.) (Spa)  
ADULT/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ \*MYASTHENIA GRAVIS, drug therapy/ MYASTHENIA GRAVIS, surgery/ \*PREDNISONE, administration & dosage/ THYMECTOMY
4186. Videman T, Vilpo L, Vilpo JA: Inhibition of osteogenesis by bone mass in diffusion chamber cultures. *Exp Pathol (Jena)* 15(3):182-4, 1978  
ANIMAL/ \*BONE AND BONES/ BONE AND BONES, cytology/ CELLS, CULTURED/ \*CHALONES, pharmacodynamics/ CONNECTIVE TISSUE, cytology/ DNA, biosynthesis/ MICE/ \*OSTEOGENESIS
4187. Viehues, Herbst: Jod-induzierte Hyperthyreosen. *Dtsch Med Wochenschr* 103(42):1677, 20 Oct 78 (Ger)  
HUMAN/ \*HYPERTHYROIDISM, chemically induced/ \*IODINE, adverse effects
4188. Viggiani E, Salzarulo L, Tenore A: Trasmissione della luce attraverso il cranio del ratto nei due sessi. *Boll Soc Ital Biol Sper* 54(7):665-9, 15 Apr 78 (Ita)  
AGE FACTORS/ ANIMAL/ FEMALE/ GONADOTROPINS, PITUITARY, biosynthesis/ \*GONADS, growth & development/ MALE/ PITUITARY GLAND, ANTERIOR, metabolism/ RATS/ SEX FACTORS/ SEX MATURATION/ \*SKULL/ SKULL, growth & development/ TRANSILLUMINATION
4189. Vigreux G, Onimus R, Limoges A, et al: Utilisation clinique des courants impulsionnels de haute fréquence en anesthésie générale chez l'homme. *Ann Anesthesiol Fr* 19(5):455-82, 1978 (Eng. Abstr.) (Fre)  
ADOLESCENCE/ ADULT/ AGED/ \*ANESTHESIA, GENERAL/ \*ANESTHESIA, GENERAL, methods/ BLOOD SUGAR, analysis/ BODY TEMPERATURE/ CATECHOLAMINES, blood/ \*ELECTRONARCOSIS, methods/ ENGLISH ABSTRACT/ ENZYMES, blood/ EVALUATION STUDIES/ FEMALE/ FOLLOW-UP STUDIES/ HISTAMINE, blood/ HUMAN/ LACTATES, blood/ MALE/ MIDDLE AGE/ NEUROLEPTANALGESIA/ POSTOPERATIVE CARE/ PREANESTHETIC MEDICATION/ PYRUVATES, blood/ SEROTONIN, blood
4190. Vijayan E, McCann SM: The effects of intraventricular injection of gamma-aminobutyric acid (GABA) on prolactin and gonadotropin release in conscious female rats. *Brain Res* 155(1):35-43, 20 Oct 78  
ANIMAL/ BICUCULLINE, pharmacodynamics/ CASTRATION/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ESTRADIOL, administration & dosage/ FEMALE/ FSH, blood/ \*GABA, pharmacodynamics/ INJECTIONS, INTRAVENTRICULAR/ \*LH, blood/ PROGESTERONE, administration & dosage/ \*PROLACTIN, blood/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4191. Villar Ortiz J, de Gennes JL, Cesselin F: Estudio de la reserva hipofisaria de LH y FSH tras la estimulación con LHRH sintético. V) Patología suprarrenal, tiroidea, lipodistrofia y hemocromatosis. *Rev Clin Esp* 149(3):223-8, 15 May 78 (Eng. Abstr.) (Spa)  
ADOLESCENCE/ ADRENAL GLAND HYPERFUNCTION, metabolism/ \*ADRENAL GLANDS, physiology/ ADULT/ CHILD/ COMPARATIVE STUDY/ \*ENDOCRINE DISEASES, metabolism/ ENGLISH ABSTRACT/ FEMALE/ \*FSH, secretion/ HEMOCHROMATOSIS, metabolism/ HUMAN/ \*LH, secretion/ \*LH-FSH RELEASING HORMONE, pharmacodynamics/ MALE/ OBESITY, metabolism/ STIMULATION, CHEMICAL/ THYROID DISEASES, metabolism/ \*THYROID GLAND, physiology
4192. Villareale ME, Chiroff RT, Bergstrom WH, et al: Bone changes induced by diphenylhydantoin in chicks on a controlled vitamin D intake. *J Bone Joint Surg [Am]* 60(7):911-6, Oct 78  
ANIMAL/ BODY WEIGHT/ BONE AND BONES, metabolism/ BONE AND BONES, pathology/ BONE AND BONES, radiography/ \*CHOLECALCIFEROLS, administration & dosage/ MALE/ MICRORADIOGRAPHY/ NUTRITIONAL REQUIREMENTS/ \*PHENYTOIN/ \*RICKETS, chemically induced/ RICKETS, pathology/ RICKETS, radiography/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4193. Vinař O: Význam endorfinu a gama-aminomáslené kyseliny pro klinickou psychofarmakologii. Souborný referát. *Cesk Psychiatr* 74(2):98-107, Apr 78 (36 ref.) (Eng. Abstr.) (Cze)  
ANXIETY, metabolism/ DEFICIENCY DISEASES, complications/ DEPRESSION, metabolism/ ENDORPHINS, deficiency/ \*ENDORPHINS, metabolism/ ENGLISH ABSTRACT/ \*GABA, metabolism/ GABA, therapeutic use/ HUMAN/ MENTAL DISORDERS, drug therapy/ \*MENTAL DISORDERS, metabolism/ NALOXONE, metabolism/ PSYCHOSES, MANIC-DEPRESSIVE, prevention & control/ REVIEW/ SCHIZOPHRENIA, etiology/ SCHIZOPHRENIA, metabolism
4194. Vincent M, Gally J, De Paillerets C, et al: Role of thiol group(s) in the enzymatic activity of the membrane-bound delta5-3beta-hydroxysteroid dehydrogenase from bovine adrenal cortex microsomes. *Biochim Biophys Acta* 525(1):1-8, 7 Jul 78  
\*ADRENAL CORTEX, enzymology/ ANIMAL/ CATTLE/ CHLOROMERCURIBENZOATES, pharmacodynamics/ DEHYDROEPIANDROSTERONE, pharmacodynamics/ ETHYLENEDIAMINES, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ IODOACETAMIDE, analogs & derivatives/ IODOACETAMIDE, pharmacodynamics/ KINETICS/ MALEIMIDES, pharmacodynamics/



# AUTHOR SECTION

- \*MEMBRANES, enzymology/ \*MICROSOMES, enzymology/ NAPHTHALENES, pharmacodynamics/ NAD, analogs & derivatives/ NAD, pharmacodynamics/ \*SULFHYDRYL REAGENTS, pharmacodynamics/ \*TESTOSTERONE DEHYDROGENASES, metabolism/ \*17-HYDROXYSTEROID DEHYDROGENASES, metabolism
4195. Vincenzi FF: Regulation of a plasma membrane calcium pump: a speculative model. *Ann NY Acad Sci* 307:229-31, 28 Apr 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ BLOOD PROTEINS, metabolism/ \*CALCIUM, metabolism/ CARRIER PROTEINS, metabolism/ CYTOPLASM, metabolism/ \*ERYTHROCYTE MEMBRANE, metabolism/ \*ERYTHROCYTES, metabolism/ IN VITRO/ \*MODELS, BIOLOGICAL
4196. Vinson GP, Goddard C, Whitehouse BJ: Corticosteroid production in vitro by adrenal tissue from rats with inherited hypothalamic diabetes insipidus (Brattleboro strain). *J Steroid Biochem* 9(7):657-65, Jul 78  
\*ADRENAL CORTEX HORMONES, metabolism/ \*ADRENAL GLANDS, metabolism/ ANIMAL/ COMPARATIVE STUDY/ DIABETES INSIPIDUS, familial & genetic/ \*DIABETES INSIPIDUS, metabolism/ FEMALE/ HETEROZYGOTE/ HOMOZYGOTE/ \*HYPOTHALAMUS, physiopathology/ RATS/ RATS, INBRED STRAINS
4197. Vinson GP, Whitehouse BJ, Goddard C: The effect of sex and strain of rats on the in vitro response of adrenocortical tissue of ACTH stimulation. *J Steroid Biochem* 9(6):553-60, Jun 78  
ADRENAL GLANDS, cytology/ ADRENAL GLANDS, drug effects/ \*ADRENAL GLANDS, metabolism/ ANIMAL/ COMPARATIVE STUDY/ CORTICOSTERONE, metabolism/ \*CORTICOTROPIN, pharmacodynamics/ FEMALE/ IN VITRO/ MALE/ RATS/ SEX FACTORS/ SPECIES SPECIFICITY/ TESTOSTERONE, metabolism/ 18-HYDROXYDESOXYCORTICOSTERONE, metabolism
4198. Vinson GP, Whitehouse BJ, Goddard C: Steroid 17-hydroxylation and androgen production by incubated rat adrenal tissue. *J Steroid Biochem* 9(7):677-83, Jul 78  
\*ADRENAL CORTEX HORMONES, metabolism/ \*ADRENAL GLANDS, metabolism/ \*ANDROGENS, biosynthesis/ ANIMAL/ FEMALE/ HYDROXYLATION/ IN VITRO/ PROGESTERONE, metabolism/ RATS/ TESTOSTERONE, metabolism
4199. Viol GW, Smith EK, Keane PM: Hypertension and unilateral vascular occlusion. Diagnosis and surgical intervention. *Urology* 12(2):190-4, Aug 78  
AGED/ CASE REPORT/ FEMALE/ HUMAN/ \*HYPERTENSION, RENAL, diagnosis/ HYPERTENSION, RENOVASCULAR, blood/ \*HYPERTENSION, RENOVASCULAR, diagnosis/ HYPERTENSION, RENOVASCULAR, surgery/ MALE/ MIDDLE AGE/ NEPHRECTOMY/ RENIN, blood/ VEINS
4200. Vir SC, Love AH: Vitamin D status of elderly at home and institutionalised in hospital. *Int J Vitam Nutr Res* 48(2):123-30, 1978  
AGED/ ALKALINE PHOSPHATASE, blood/ BONE AND BONES, metabolism/ CALCIUM, blood/ FEMALE/ \*GERIATRICS/ HUMAN/ HYDROXYCHOLECALCIFEROLS, blood/ MALE/ MINERALS, metabolism/ NUTRITIONAL REQUIREMENTS/ PHOSPHORUS, blood/ SUNLIGHT/ \*VITAMIN D DEFICIENCY, occurrence/ VITAMIN D, administration & dosage
4201. Virseda JA, Sáenz-Benito D, Marín M, et al: Torsión de la hídride pediculada de Morgagni: presentación de dos nuevos casos. *Actas Urol Esp* 2(4):183-6, Jul-Aug 78 (Eng. Abstr.) (Spa)  
ADOLESCENCE/ CASE REPORT/ CHILD/ ENGLISH ABSTRACT/ HUMAN/ MALE/ \*MULLERIAN DUCTS, pathology/ MULLERIAN DUCTS, surgery/ \*TESTICULAR DISEASES, pathology/ TESTICULAR DISEASES, surgery/ TORSION
4202. Visser HK: De toepassing van corticosteroiden in de kindergeneeskunde, in het bijzonder bij kinderen met congenitale bijnierschorschyperplasie (adrenogenitaal syndroom). *Ned Tijdschr Geneesk* 122(38):1406-10, 23 Jul 78  
ADRENAL CORTEX HORMONES, administration & dosage/ \*ADRENAL CORTEX HORMONES, therapeutic use/ \*ADRENAL GLAND HYPERFUNCTION, drug therapy/ CHILD/ DRUG ADMINISTRATION SCHEDULE/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, therapeutic use/ PREDNISOLONE, administration & dosage/ PREDNISOLONE, therapeutic use/ SURGERY, OPERATIVE
4203. Visser TJ, Fekkes D, Docter R, et al: Sequential deiodination of thyroxine in rat liver homogenate. *Biochem J* 174(1):22-15, Jul 78  
ANIMAL/ CHEMISTRY/ DIODOTHYRONINE, metabolism/ DITHIOTHREITOL, pharmacodynamics/ EDTA, pharmacodynamics/ HYDROGEN-ION CONCENTRATION/ IN VITRO/ LIVER, drug effects/ \*LIVER, metabolism/ PROPYLTHIOURACIL, pharmacodynamics/ RATS/ \*THYROID, metabolism/ TRIIODOTHYRONINE, metabolism/ TRIIODOTHYRONINE, REVERSE, metabolism
4204. Vitums A: Development of the venous drainage of the epiphysis cerebri. *Anat Histol Embryol* 7(2):120-8, Jul 78  
ANATOMIC MODELS/ ANIMAL/ \*CAVERNOUS SINUS, embryology/ \*HORSES, embryology/ \*PITUITARY GLAND, blood supply/ PITUITARY GLAND, embryology
4205. Vlasák V, Zrústová MO, Bartos V, et al: K problematice léčení nádoru štítné žlázy. *Bratisl Lek Listy* 70(2):181-92, Aug 78 (Eng. Abstr.)  
ADOLESCENCE/ ADULT/ AGED/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE/ \*THYROID NEOPLASMS, surgery
4206. Voigt J, Sekeris CE: Differences in inducibility by glucocorticoids of rat liver TO and TAT. *Am J Physiol* 235(4):E374-80, Oct 78  
ADRENALECTOMY/ AGE FACTORS/ ANIMAL/ DACTINOMYCIN, administration & dosage/ DACTINOMYCIN, pharmacodynamics/ DEXAMETHASONE, administration & dosage/ DEXAMETHASONE, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ ENZYME INDUCTION/ \*GLUCOCORTICOIDS, pharmacodynamics/ HYDROCORTISONE, administration & dosage/ HYDROCORTISONE, pharmacodynamics/ INJECTIONS, INTRAPERITONEAL/ \*LIVER, enzymology/ RATS/ TIME FACTORS/ \*TRYPTOPHAN OXYGENASE, metabolism/ \*TYROSINE AMINOTRANSFERASE, metabolism
4207. Voigt R, Klinger G, Hensel K, et al: Tierexperimentelle Studien zur Wirkung der Östrogen-Langzeitapplikation auf die Kontrastmittelausscheidung im intravenösen Urogramm. *ROFO* 129(2):212-4, Aug 78 (Eng. Abstr.)  
ANIMAL/ \*CONTRAST MEDIA, metabolism/ DILATATION, PATHOLOGIC/ ENGLISH ABSTRACT/ \*ESTROGENS, administration & dosage/ ETHINYL ESTRADIOL, administration & dosage/ FEMALE/ INFUSIONS, PARENTERAL LONG TERM CARE/ RABBITS/ \*URETER, drug effects/ URETERAL DISEASES, chemically induced/ UROGRAPHY
4208. Vol'fenzon LG, Loskutova EA, Artsishevskaja RA: Morfofunktional'nye izmeneniia schitovidnoi zhelezy zolotistykh khomiakov pri dlitel'noi akklimatsii k temperaturam 4 gradusa C. *Tsitologiya* 20(6):636-42, Jun 78 (Eng. Abstr.) (R)  
\*ACCLIMATIZATION/ ADENOMA, etiology/ ANIMAL/ BODY TEMPERATURE/ CELL NUCLEUS, ultrastructure/ \*COLD/ COLD, adverse effects/ CRICETUS/ ENGLISH ABSTRACT/ HAMSTERS/ HYPERTROPHY/ IODINE, metabolism/ PAPILOMA, etiology/ SEASONS/ \*THYROID GLAND, anatomy & histology/ THYROID GLAND, metabolism/ THYROID NEOPLASMS, etiology/ TIME FACTORS



## AUTHOR SECTION

4209. Volger H, Heber U, Berzborn RJ: Loss of function of biomembranes and solubilization of membrane proteins during freezing. *Biochim Biophys Acta* 511(3):455-69, 17 Aug 78  
CAPRYLATES/ \*CHLOROPLASTS, metabolism/ FREEZING/ ISOLEUCINE/ MEMBRANE PROTEINS, immunology/ \*MEMBRANE PROTEINS, metabolism/ \*MEMBRANES, metabolism/ MOLECULAR WEIGHT/ PEPTIDES, analysis/ PHOTOPHOSPHORYLATION/ PLANT PROTEINS, immunology/ SODIUM CHLORIDE/ SOLUBILITY
4210. Vollmer RR, Boccagno JA, Harris DN, et al: Hypotension induced by inhibition of angiotensin-converting enzyme in pentobarbital-anesthetized dogs. *Eur J Pharmacol* 51(1):39-45, 1 Sep 78  
ANESTHESIA/ ANIMAL/ \*BLOOD PRESSURE, drug effects/ DOGS/ FEMALE/ \*KININASE II, antagonists & inhibitors/ MALE/ NEPHRECTOMY/ PENTOBARBITAL/ \*PROLINE, analogs & derivatives/ PROLINE, pharmacodynamics/ RENIN, blood/ SARALASIN, pharmacodynamics/ TIME FACTORS
4211. Volsky DJ, Loyter A: Role of Ca++ in virus-induced membrane fusion. Ca++ accumulation and ultrastructural changes induced by Sendai virus in chicken erythrocytes. *J Cell Biol* 78(2):465-79, Aug 78  
ADSORPTION/ \*CALCIUM CHLORIDE, pharmacodynamics/ CALCIUM, metabolism/ CELLS, CULTURED/ CHICKENS/ \*ERYTHROCYTE MEMBRANE, drug effects/ ERYTHROCYTE MEMBRANE, ultrastructure/ \*ERYTHROCYTES, drug effects/ ERYTHROCYTES, metabolism/ \*ERYTHROCYTES, microbiology/ EGTA, pharmacodynamics/ FREEZE ETCHING/ \*PARA-INFLUENZA VIRUS TYPE 1, drug effects/ PARA-INFLUENZA VIRUS TYPE 1, ultrastructure
4212. Vonderhaar BK, Smith GH, Pauley RJ, et al: Difference between mammary epithelial cells from mature virgin and primiparous mice. *Cancer Res* 38(11 Pt 2):4059-65, Nov 78  
ANIMAL/ \*CASEIN, biosynthesis/ CELL CYCLE/ COMPARATIVE STUDY/ CYTARABINE, pharmacodynamics/ DNA, biosynthesis/ EPITHELIUM, metabolism/ FEMALE/ \*LACTALBUMIN, biosynthesis/ \*LACTOSE SYNTHETASE, biosynthesis/ MAMMAE, drug effects/ \*MAMMAE, metabolism/ MAMMAE, ultrastructure/ MICE/ MICE, INBRED C3H/ MICROSCOPY, ELECTRON/ \*PARITY/ PLACENTAL LACTOGEN, pharmacodynamics/ PREGNANCY/ PROLACTIN, pharmacodynamics/ RNA, MESSENGER, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4213. von Felten A, Ermanni M, Binswanger U: Immunkomplex-bedingte Thrombozytopathie bei Patienten nach Nierentransplantation. *Schweiz Med Wochenschr* 108(41):1597-8, 14 Oct 78 (Ger)  
ANTIGEN-ANTIBODY COMPLEX/ \*BLOOD PLATELET DISORDERS, etiology/ HUMAN/ \*KIDNEY, transplantation/ PLATELET AGGREGATION/ POSTOPERATIVE COMPLICATIONS/ SEROTONIN, metabolism
4214. von Rütte B: Klinische Aspekte zur Varikozelenoperation. *Helv Chir Acta* 45(3):335-8, Jul 78 (Ger)  
ADOLESCENCE/ CHILD/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiopathology/ MALE/ STERILITY, MALE, etiology/ TESTICULAR DISEASES, etiology/ VARICOCELE, complications/ \*VARICOCELE, surgery
4215. Vorob'ev IuI, Zubovskii GA, Popov NV, et al: Funktsional'naia aktivnost' schitovidnoi zhelezy u bol'nykh so zlokachestvennymi novoobrazovaniyami golovy i shei posle dstantsionnoi gamma-terapii. *Med Radiol (Mosk)* 23(10):24-9, Oct 78 (Eng. Abstr.) (Rus)  
DOSE-RESPONSE RELATIONSHIP, RADIATION/ ENGLISH ABSTRACT/ FEMALE/ GAMMA RAYS, therapeutic use/ HEAD AND NECK NEOPLASMS, physiopathology/ \*HEAD AND NECK NEOPLASMS, radiotherapy/ HUMAN/ LYMPHATIC METASTASIS/ MALE/ MIDDLE AGE/ \*RADIOISOTOPE TELETERAPY/ RADIOTHERAPY DOSAGE/ \*THYROID GLAND, physiopathology/ THYROID GLAND, radiation effects
4216. Voss C, Hartmann K, Hartmann N: Einfluss von Diät und Thyroxin auf die Körperzusammensetzung von Ratten. *Endokrinologie* 72(1):66-76, Apr 78 (Eng. Abstr.) (Ger)  
ANIMAL/ \*BODY COMPOSITION, drug effects/ BODY WATER, metabolism/ \*DIETARY FATS/ ENGLISH ABSTRACT/ LIPIDS, metabolism/ MALE/ PROTEINS, metabolism/ RATS/ \*THYROXINE, pharmacodynamics
4217. Voss C, Hartmann N: Eiweissangebot in der Nahrung und Dejodierung in der Leber. *Nahrung* 22(4):415-8, 1978 (Eng. Abstr.) (Ger)  
ANIMAL/ BODY WEIGHT/ CASEIN, administration & dosage/ \*DIETARY PROTEINS, administration & dosage/ ENGLISH ABSTRACT/ IODIDE PEROXIDASE, metabolism/ \*IODINE, metabolism/ LIVER, anatomy & histology/ \*LIVER, metabolism/ MALE/ RATS/ \*THYROXINE, metabolism
4218. Vrba M: Cytogenetika neoplazii. (Informační přehled). *Cesk Patol* 14(1):11-15, Mar 78 (Cze)  
CHROMOSOME ABERRATIONS/ \*CYTOGENETICS/ HUMAN/ KARYOTYPING/ LEUKEMIA, MYELOCYTIC, familial & genetic/ MELANOMA, familial & genetic/ MITOSIS/ MOSAICISM/ \*NEOPLASMS, familial & genetic/ SEX CHROMATIN, analysis/ UVEAL DISEASES, familial & genetic
4219. Vukoson MB, Greiner JW, Kramer RE, et al: Effects of indomethacin administration on hepatic steroid and drug metabolism in male and female rats. *Biochem Pharmacol* 27(15):1977-9, 1978  
ANIMAL/ \*DRUGS, metabolism/ FEMALE/ \*INDOMETHACIN, pharmacodynamics/ LIVER, drug effects/ \*LIVER, metabolism/ MALE/ MIXED FUNCTION OXIDASES, metabolism/ RATS/ SEX FACTORS/ \*STEROIDS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4220. Vukovic D, Mikic P, Petrovic S: Kriptorhizam u dece. *Med Pregl* 31(7-8):289-92, 1978 (Eng. Abstr.) (Ser)  
ADOLESCENCE/ CHILD/ \*CRYPTORCHISM, drug therapy/ CRYPTORCHISM, surgery/ ENGLISH ABSTRACT/ \*GONADOTROPINS, CHORIONIC, therapeutic use/ HUMAN/ MALE
4221. Vulovic D, Stojanov Lj, Nedeljkovic V, et al: Kalcitonin i metabolizam fosfata. Analiza prometa kalcijuma i fosfora u dece lečene sa Calcitar-om. *Srp Arh Celok Lek* 105(11):967-74, Nov 77 (Eng. Abstr.) (Sec)  
ADOLESCENCE/ ADULT/ ARTHRITIS, JUVENILE RHEUMATOID, drug therapy/ ARTHRITIS, JUVENILE RHEUMATOID, metabolism/ \*CALCITONIN, therapeutic use/ \*CALCIUM, metabolism/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ HUMAN/ OSTEOGENESIS IMPERFECTA, drug therapy/ OSTEOGENESIS IMPERFECTA, metabolism/ \*PHOSPHORUS, metabolism
4222. Vunder PA: Polovye otlichia v funktsionirovanii golovnog mozga i sviazannye s nimi efekty. *Usp Sovrem Biol* 86(1):129-42, Jul-Aug 78 (104 ref.) (Rus)  
ANIMAL/ BEHAVIOR, ANIMAL, physiology/ CASTRATION/ COMPARATIVE STUDY/ DIETHYLSTILBESTROL, pharmacodynamics/ ESTROGENS, pharmacodynamics/ FEMALE/ GENDER IDENTITY/ GLUCOCORTICOID, pharmacodynamics/ GUINEA PIGS/ HAMSTERS/ HUMAN/ HYPOTHALAMUS, drug effects/ HYPOTHALAMUS, embryology/ \*HYPOTHALAMUS, physiology/ LH, secretion/ MALE/ PREGNANCY/ PROGESTERONE, pharmacodynamics/ RATS/ REVIEW/ SEX BEHAVIOR, ANIMAL, physiology/ \*SEX DIFFERENTIATION/ TESTOSTERONE, pharmacodynamics

## W

4223. Wachtel SS, Basrur P, Koo GC: Recessive male-determining genes. *Cell* 15(1):279-81, Sep 78  
ANIMAL/ FEMALE/ \*GENES, RECESSIVE/ GENES, STRUCTURAL/ \*GOATS, genetics/ \*H-Y ANTIGEN, genetics/ \*HERMAPHRODITISM, familial & genetic/ HERMAPHRODITISM, immunology/ LINKAGE (GENETICS)/ MALE/ MUTATION/ \*SEX DETERMINATION/



# AUTHOR SECTION

- TRANSLOCATION (GENETICS)/ Y  
CHROMOSOME
4224. Waddell WJ, Marlowe C: Inhibition by metyrapone of the accumulation of nicotine-14C in bronchial epithelium of mice. *Arch Int Pharmacodyn Ther* 234(2):294-307, Aug 78  
ANIMAL/ AUTORADIOGRAPHY/ BRONCHI, drug effects/ \*BRONCHI, metabolism/ DRUG INTERACTIONS/ EPITHELIUM, drug effects/ EPITHELIUM, metabolism/ FEMALE/ MALE/ \*METYRAPONE, pharmacodynamics/ MICE/ MICE, INBRED A/ MICE, INBRED C57BL/ \*NICOTINE, metabolism/ TIME FACTORS
4225. Wade-Smith J, Richmond ME: Induced ovulation, development of the corpus luteum, and tubal transport in the striped skunk (*Mephitis mephitis*). *Am J Anat* 153(1):123-41, Sep 78  
ANIMAL/ BLASTOCYST, cytology/ \*CARNIVORA, physiology/ COPULATION/ CORPUS LUTEUM, cytology/ \*CORPUS LUTEUM, physiology/ FEMALE/ FERTILIZATION/ NIDATION/ \*OVULATION/ \*OVUM TRANSPORT/ OVUM, cytology/ \*SKUNKS, physiology/ ZYGOTE, cytology
4226. Wägar G: Tyreoidea stimuloivann vasta-aineen (TSAb) patogeenetinen merkitys. *Duodecim* 94(17):1024-7, 1978 (Fin)  
\*GOITER, EXOPHTHALMIC, immunology/ HUMAN/ \*LONG-ACTING THYROID STIMULATOR
4227. Wagshal AB, Waksman BH: Regulatory substances produced by lymphocytes. VIII. Cell cycle specificity of inhibitor of DNA synthesis (IDS) action in lymphocytes. *J Immunol* 121(3):966-72, Sep 78  
ABSORPTION/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ CALCIUM, metabolism/ CELL CYCLE/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ \*DNA, biosynthesis/ \*LYMPHOCYTES, cytology/ \*LYMPHOKINES, pharmacodynamics/ LYMPHOTOXINS, biosynthesis/ PROSTAGLANDINS E, pharmacodynamics/ RATS/ RNA, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4228. Wahba A, Cohen HA, Bar-Eli M, et al: Enhanced chemotactic and phagocytic activities of leukocytes in psoriasis vulgaris. *J Invest Dermatol* 71(3):186-8, Sep 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ FEMALE/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, analysis/ HUMAN/ IODINE RADIOISOTOPES/ LEUKOCYTES, enzymology/ \*LEUKOCYTES, physiology/ MALE/ \*PHAGOCYTOSIS/ \*PSORIASIS, blood/ \*PSORIASIS, enzymology/ SHIGELLA FLEXNERI/ SKIN, analysis
4229. Wahrmann JP, Winand RJ: Hormone responsiveness of adenylate cyclase activity of cultured myogenic cells. *Biochimie* 60(4):361-4, 1978  
\*ADENYL CYCLASE, metabolism/ \*CATECHOLAMINES, pharmacodynamics/ CELL DIFFERENTIATION/ CELL LINE/ DOPA, pharmacodynamics/ EPINEPHRINE, pharmacodynamics/ KINETICS/ NOREPINEPHRINE, pharmacodynamics/ STRUCTURE-ACTIVITY RELATIONSHIP
4230. Wainwright SD, Wainwright LK: Regulation of the diurnal cycle in activity of serotonin acetyltransferase in the chick pineal gland. *Can J Biochem* 56(7):685-90, Jul 78  
\*ACETYLTRANSFERASES, metabolism/ ANIMAL/ \*CHICKENS, metabolism/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ DIURNAL RHYTHM/ ORGAN CULTURE/ PINEAL BODY, drug effects/ \*PINEAL BODY, enzymology/ RECEPTORS, DRUG, metabolism/ RO 20-1724, pharmacodynamics/ SEROTONIN/ THEOPHYLLINE, pharmacodynamics
4231. Wajchenberg B, Leme CE, Tambascia M, et al: The adrenal response to exogenous adrenocorticotrophin in patients with infections due to *Neisseria meningitidis*. *J Infect Dis* 138(3):387-91, Sep 78  
ADOLESCENCE/ ADULT/ AGED/ CHILD/ CHILD, PRESCHOOL/ \*CORTICOTROPIN, therapeutic use/ FEMALE/ HUMAN/ \*HYDROCORTISONE, blood/ MALE/ \*MENINGITIS, MENINGOCOCCAL, drug therapy/ MENINGITIS, MENINGOCOCCAL, etiology/
- MIDDLE AGE/ NEISSERIA MENINGITIDIS/ PURPURA, etiology/ SALMONELLA TYPHI/ SEPTICEMIA, complications/ TIME FACTORS/ TYPHOID, complications/ TYPHOID, etiology
4232. Wajtraub G, Pardo Y: Un altro caso di mola idatiforme do trattamento con clomifene. *Minerva Ginecol* 30(9):759-4, Sep 78 (Eng. Abstr.)  
ADULT/ CASE REPORT/ \*CLOMIPHENE, adverse effects/ CLOMIPHENE, therapeutic use/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*HYDATIDIFORM MOLE, chemically induced/ \*UTERINE NEOPLASMS, chemically induced
4233. Wajzman Z, Murphy GP: The current management of advanced testicular cancers. *Urol Surv* 28(4):127-33, Aug 78  
ALPHA FETOPROTEINS, analysis/ ANTINEOPLASTIC AGENTS, therapeutic use/ CELL TRANSFORMATION, NEOPLASTIC, drug effects/ CHORIOCARCINOMA, therapy/ DYSGERMINOMA, therapy/ GONADOTROPIN, CHORIONIC, blood/ HUMAN/ LYMPH NODE EXCISION/ MALE/ \*NEOPLASM METASTASIS, therapy/ NEOPLASM STAGING/ RADIOTHERAPY DOSAGE/ TERATOID TUMOR, therapy/ TESTICULAR NEOPLASMS, mortality/ TESTICULAR NEOPLASMS, pathology/ \*TESTICULAR NEOPLASMS, therapy/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4234. Wakabayashi K, Miki N, Miyazawa Y, et al: [Growth hormone secretion and somatostatin] *Horumon To Rinsho* 26(6):524-3, Jun 78  
ANIMAL/ HYPOTHALAMO-HYPOPHYSAL SYSTEM, analysis/ MALE/ RATS/ \*SOMATOTROPIN RELEASE INHIBITING HORMONE, physiology/ SOMATOTROPIN, blood/ \*SOMATOTROPIN, secretion/ STRESS, blood
4235. Wakayama S: [Effect of dopamine on renal and endocrine functions during canine endotoxin shock (author's translation)] *Masui* 27(7):684-93, Jul 78 (Eng. Abstr.)  
ALDOSTERONE, blood/ ANIMAL/ DOGS/ \*DOPAMINE, pharmacodynamics/ ENGLISH ABSTRACT/ HYDROCORTISONE, blood/ INSULIN, blood/ \*KIDNEY, drug effects/ RENIN, blood/ \*SHOCK, SEPTIC, physiopathology/ VASOPRESSINS, blood
4236. Walaas I, Fonnum F: The effect of parenteral glutamate treatment on the localization of neurotransmitters in the mediobasal hypothalamus. *Brain Res* 153(3):549-62, 29, 78  
ACETYLCHOLINESTERASE, metabolism/ ANIMAL/ CHOLINE ACETYLTRANSFERASE, metabolism/ DOPA DECARBOXYLASE, metabolism/ DOPAMINE, metabolism/ GLUTAMATE DECARBOXYLASE, metabolism/ GLUTAMATE, metabolism/ \*GLUTAMATES, pharmacodynamics/ \*HYPOTHALAMUS, enzymology/ HYPOTHALAMUS, MEDIAL, drug effects/ \*HYPOTHALAMUS, MEDIAL, enzymology/ MEDIAN EMINENCE, enzymology/ \*NEUROHUMORS, metabolism/ NOREPINEPHRINE, metabolism/ RATS
4237. Wald N, Sherer CR: Chromosomal alterations after therapeutic use of radionuclides. pp. 45-52. In: Spencer RP, ed. *Therapy in nuclear medicine*. New York, Grune & Stratton, 1978. WN 450 T398 1977.  
ANIMAL/ CHILD/ CHROMOSOME ABERRATIONS/ \*CHROMOSOMES, radiation effects/ DOSE-RESPONSE RELATIONSHIP, RADIATION/ HUMAN/ IODINE RADIOISOTOPES, adverse effects/ IODINE RADIOISOTOPES, therapeutic use/ LYMPHOCYTES, ultrastructure/ MALE/ MICE/ MONOGRAPH/ PHOSPHORUS RADIOISOTOPES, adverse effects/ \*RADIOISOTOPES, adverse effects/ RADIOISOTOPES, therapeutic use/ THYROID NEOPLASMS, radiotherapy/ YTTRIUM RADIOISOTOPES, adverse effects/ YTTRIUM RADIOISOTOPES, therapeutic use
4238. Walker AE: Pemphigus vulgaris. *Br J Dermatol* 99(Suppl 16):60, Jul 78  
ADOLESCENCE/ AZATHIOPRINE, therapeutic use/ CASE REPORT/ FEMALE/ HUMAN/ \*PEMPHIGUS, drug therapy/ PREDNISOLONE, therapeutic use



# AUTHOR SECTION

9. Walker JE, Goodman P, Jacobs D, et al: Uptake and release of norepinephrine by slices of rat cerebral cortex: effect of agents that increase cyclic AMP levels. *Neurology (Minneapolis)* 28(9 Pt 1):900-4, Sep 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENOSINE, pharmacodynamics/ AMINOPHYLLINE, pharmacodynamics/ ANIMAL/  
\*BRAIN, metabolism/ \*CEREBRAL CORTEX, metabolism/ DIBUTYRYL CYCLIC AMP, pharmacodynamics/ IN VITRO/  
\*NOREPINEPHRINE, metabolism/ PAPAVERINE, pharmacodynamics/ PROSTAGLANDINS E, pharmacodynamics/ RATS
- Walker LA, Whorton AR, Smigel M, et al: Antidiuretic hormone increases renal prostaglandin synthesis in vivo. *Am J Physiol* 235(3):F180-5, Sep 78  
ANIMAL/ CREATININE, urine/ DIABETES INSIPIDUS, familial & genetic/ DIABETES INSIPIDUS, urine/ \*KIDNEY MEDULLA, metabolism/ MALE/ POTASSIUM, urine/  
\*PROSTAGLANDINS E, biosynthesis/ PROSTAGLANDINS E, urine/ RATS/ SODIUM, urine/ THIRST/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S./ \*VASOPRESSINS, pharmacodynamics
- Walker MS, McGilp I: Excretory patterns of urinary free 11-hydroxycorticosteroids and total oestrogens throughout the normal menstrual cycle. *Ann Clin Biochem* 15(4):201-2, Jul 78  
ADOLESCENCE/ ADULT/ CREATININE, urine/  
\*ESTROGENS, urine/ FEMALE/ HUMAN/  
\*MENSTRUATION/  
\*11-HYDROXYCORTICOSTEROIDS, urine
- Walker N, Nishikawa M, Schreiber A, et al: Inwiefern ist die Blutversorgung von Bedeutung bei der Entstehung der Arthrose? *Z Orthop* 116(4):434-5, Aug 78 (Ger)  
ANIMAL/ \*ARTHRITIS, etiology/ BONE AND BONES, pathology/ CARTILAGE, ARTICULAR, pathology/ CATS/ \*KNEE JOINT, blood supply/ KNEE JOINT, transplantation/ RABBITS/ TRANSPLANTATION, AUTOLOGOUS/ TRANSPLANTATION, HOMOLOGOUS
- Walker RF, Riad-Fahmy D, Read GF: Adrenal status assessed by direct radioimmunoassay of cortisol in whole saliva or parotid saliva. *Clin Chem* 24(9):1460-3, Sep 78  
\*ADRENAL GLANDS, physiology/ FEMALE/ HUMAN/ \*HYDROCORTISONE, analysis/ MALE/ MICROCHEMISTRY/ NORMAL VALUES/  
\*PAROTID GLAND, analysis/  
RADIOIMMUNOASSAY, methods/ \*SALIVA, analysis
- Walker RF, McMahon KM, Pivorun EB: Pineal gland structure and respiration as affected by age and hypocaloric diet. *Exp Gerontol* 13(3-4):91-9, 1978  
\*AGING/ ANIMAL/ BODY WEIGHT/ CELL DIVISION/ CELL NUMBER/ \*DIET/ FEEDBACK/ FOOD DEPRIVATION, physiology/ HOMEOSTASIS/ MALE/ ORGAN WEIGHT/ OXYGEN CONSUMPTION/ \*PINEAL BODY, anatomy & histology/ \*PINEAL BODY, metabolism/ RATS
- Walker SE, Anver MR, Schechter SL, et al: Prolonged lifespan and high incidence of neoplasms in NZB/NZW mice treated with hydrocortisone sodium succinate. *Kidney Int* 14(2):151-7, Aug 78  
ANIMAL/ AUTOANTIBODIES, analysis/ DISEASE MODELS, ANIMAL/ FEMALE/  
\*HYDROCORTISONE, adverse effects/ HYDROCORTISONE, pharmacodynamics/ HYDROCORTISONE, therapeutic use/ KIDNEY DISEASES, pathology/ \*KIDNEY DISEASES, prevention & control/ \*LONGEVITY, drug effects/ \*MICE, physiology/ \*NEOPLASMS, chemically induced/ SARCOMA, chemically induced/ UNITED STATES GOV'T SUPPORTED, P.H.S.
- Wall DW, O'Flanagan PH: Unusual presentations of thyroid disease in general practice. *J R Coll Gen Pract* 28(188):170-1, Mar 78  
ADULT/ CASE REPORT/ FAMILY PRACTICE/ FEMALE/ HUMAN/ INFANT/ MALE/ MIDDLE AGE/ \*THYROID DISEASES, diagnosis
- Wall JR, Fang SL, Walters BA, et al: Multi-system immunologically mediated disease: T lymphocyte deficiency and thyroid immunologic disease—a report of four cases. *Aust NZ J Med* 8(3):290-4, Jun 78  
ADULT/ \*AUTOIMMUNE DISEASES, etiology/ CASE REPORT/ FEMALE/ HUMAN/  
\*IMMUNOLOGIC DEFICIENCY SYNDROMES, complications/ LUPUS ERYTHEMATOSUS, SYSTEMIC, complications/ MALE/ MIDDLE AGE/ MYOSITIS, complications/ SARCOIDOSIS, complications/ \*T-LYMPHOCYTES/ \*THYROID DISEASES, etiology
4248. Wallace LJ, Partlow LM, Ferrendelli JA: Comparison of levels of adenosine 3',5'-monophosphate in highly purified and mixed primary cultures of neurons and non-neuronal cells from embryonic chick sympathetic ganglia. *J Neurochem* 31(4):801-7, Oct 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ CELLS, CULTURED/ CHICK EMBRYO/ COMPARATIVE STUDY/ CULTURE MEDIA/ DNA, biosynthesis/ GANGLIA, AUTONOMIC, cytology/ \*GANGLIA, AUTONOMIC, metabolism/ NEURONS, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4249. Wallbank AM, Drulak M, Poffenroth L, et al: Wescodyne: lack of activity against poliovirus in the presence of organic matter. *Health Lab Sci* 15(3):133-7, Jul 78  
CELLS, CULTURED/ \*DISINFECTANTS, pharmacodynamics/ DISINFECTION, standards/ EVALUATION STUDIES/ \*IODINE, pharmacodynamics/ \*POLIOVIRUS, drug effects/ \*POLYETHYLENE GLYCOLS, pharmacodynamics
4250. Walling MW, Marvaso V, Bernard GW: Stimulation of guanylate cyclase activity in cultured osteogenic murine calvarial mesenchymal cells by PTH, calcitonin and insulin. *Biochem Biophys Res Commun* 83(2):521-7, 28 Jul 78  
ANIMAL/ \*BONE AND BONES, enzymology/ \*CALCITONIN, pharmacodynamics/ CELLS, CULTURED/ ENZYME ACTIVATION, drug effects/ FETUS/ \*GUANYL CYCLASE, metabolism/ \*INSULIN, pharmacodynamics/ KINETICS/ MICE/ \*PARATHYROID HORMONE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED
4251. Walser M: Keto-analogues of essential amino acids in the treatment of chronic renal failure. *Kidney Int [Suppl]* (8):S180-4, Jun 78  
AMINO ACIDS, ESSENTIAL, adverse effects/ \*AMINO ACIDS, ESSENTIAL, therapeutic use/ BLOOD UREA NITROGEN/ HUMAN/ HYPERCALCEMIA, etiology/ \*KETO ACIDS, therapeutic use/ \*KIDNEY FAILURE, CHRONIC, drug therapy/ NAUSEA, etiology/ NITROGEN, metabolism/ PHOSPHATES, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S./ UREA, metabolism/ VOMITING, etiology
4252. Walsh DA: Role of the cAMP-dependent protein kinase as the transducer of cAMP action. *Biochem Pharmacol* 27(14):1801-4, 1978 (15 ref.)  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, physiology/ ANIMAL/ ENZYME ACTIVATION/ PHOSPHORYLATION/ PROTEIN KINASE, metabolism/ \*PROTEIN KINASE, physiology/ REVIEW/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4253. Walsh MJ: Systemic sarcoidosis with refractory ventricular tachycardia and heart failure. *Br Heart J* 40(8):931-3, Aug 78  
ADULT/ CASE REPORT/ \*HEART FAILURE, CONGESTIVE, complications/ HUMAN/ MALE/ PREDNISONE, therapeutic use/ \*SARCOIDOSIS, complications/ SARCOIDOSIS, drug therapy/ \*TACHYCARDIA, complications
4254. Wambach G, Schneider M, Saborowski F: Sinusknoten-Syndrom und Hyperthyreose. *Dtsch Med Wochenschr* 103(41):1625, 13 Oct 78 (Ger)  
\*ARRHYTHMIA, SINUS, etiology/ FEMALE/ HUMAN/ \*HYPERTHYROIDISM, complications/ MIDDLE AGE/ SINOATRIAL NODE/ SYNDROME
4255. Wamberg S, Hansen AC, Engel K, et al: Balance of net base in the rat. III. Effects of oral sodium bicarbonate and sodium citrate loading. *Biol Neonate* 34(1-2):24-31, 1978  
\*ACID-BASE EQUILIBRIUM, drug effects/ ANIMAL/ \*BICARBONATES, administration &

## AUTHOR SECTION

- dosage/ CALCIUM, metabolism/ CHLORIDES, metabolism/ \*CITRATES, administration & dosage/ ENERGY METABOLISM, drug effects/ INTESTINAL ABSORPTION, drug effects/ MAGNESIUM, metabolism/ MALE/ PHOSPHORUS, metabolism/ RATS/ SODIUM, metabolism
4256. Wamsley JK, Black AC Jr, Redick JA, et al: SIF cells, cyclic AMP responses, and catecholamines of the guinea pig superior cervical ganglion. *Brain Res* 156(1):75-82, 3 Nov 78
- \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ADENYL CYCLASE, metabolism/ ANIMAL/ \*CERVICAL PLEXUS, cytology/ CERVICAL PLEXUS, enzymology/ DOPAMINE BETA-HYDROXYLASE, metabolism/ DOPAMINE, metabolism/ DOPAMINE, pharmacodynamics/ GUINEA PIGS/ ISOPROTERENOL, pharmacodynamics/ \*NEUROHUMORS, pharmacodynamics/ NOREPINEPHRINE, metabolism/ NOREPINEPHRINE, pharmacodynamics/ PHENETHANOLAMINE N-METHYLTRANSFERASE, metabolism/ RECEPTORS, ADRENERGIC, BETA, drug effects/ RECEPTORS, ADRENERGIC, BETA, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4257. Wang C, Yeung RT, Coghlan JP, et al: Hypertension due to 17alpha-hydroxylase deficiency. *Aust NZ J Med* 8(3):295-9, Jun 78
- ADOLESCENCE/ ADRENAL CORTEX HORMONES, analysis/ CASE REPORT/ FEMALE/ HUMAN/ \*HYPERTENSION, etiology/ HYPERTENSION, metabolism/ SEX HORMONES, analysis/ \*STEROID HYDROXYLASES, deficiency/ \*STEROID-17-HYDROXYLASE, deficiency
4258. Wang JK: Pain relief by intrathecal injection of serotonin or morphine. *Ann Anesthesiol Fr* 19(5):371-2, 1978 (Eng. Abstr.) (Eng, Fre)
- P-CHLOROPHENYLALANINE, pharmacodynamics/ ANIMAL/ ENGLISH ABSTRACT/ HUMAN/ INJECTIONS, INTRATHECAL/ \*MORPHINE, administration & dosage/ MORPHINE, antagonists & inhibitors/ NALOXONE, pharmacodynamics/ \*PAIN, drug therapy/ RATS/ SEROTONIN ANTAGONISTS/ \*SEROTONIN, administration & dosage
4259. Wang TY, Hussey CV, Sasse EA, et al: Human platelet aggregation and cAMP system—cAMP level, adenylyl cyclase, phosphodiesterase. *Ann Clin Lab Sci* 8(5):403-12, Sep-Oct 78
- \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, blood/ ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, blood/ \*ADENYL CYCLASE, blood/ CELL MEMBRANE, drug effects/ CYANIDES, pharmacodynamics/ ETHYLMALIMIDE, pharmacodynamics/ HEPARIN, pharmacodynamics/ HUMAN/ IODOACETATES, pharmacodynamics/ MERSALYL, pharmacodynamics/ \*PLATELET AGGREGATION, drug effects/ PROSTAGLANDINS E, pharmacodynamics/ THROMBIN, pharmacodynamics/ \*3',5'-CYCLIC AMP PHOSPHODIESTERASE, blood
4260. Wannenmacher M, Slanina J, Kuphal K, et al: Gegenwärtiger Stand der Grossfeldtechnik unter Megavoltbedingungen bei der Strahlentherapie der Hodgkin'schen Erkrankung. Grundlagen, Durchführung, Nebenwirkungen. *Radiologe* 18(10):371-87, Oct 78 (Eng. Abstr.) (Ger)
- ACUTE DISEASE/ BONE AND BONES, radiation effects/ CENTRAL NERVOUS SYSTEM, radiation effects/ ENGLISH ABSTRACT/ GASTROINTESTINAL SYSTEM, radiation effects/ GENITALIA, radiation effects/ HEART, radiation effects/ \*HODGKIN'S DISEASE, radiotherapy/ HUMAN/ LUNG, radiation effects/ LYMPH NODES, radiation effects/ PATIENT CARE PLANNING/ PROGNOSIS/ RADIATION INJURIES/ RADIATION MONITORING/ RADIATION TOLERANCE/ RADIOTHERAPY DOSAGE/ RADIOTHERAPY, HIGH ENERGY, adverse effects/ \*RADIOTHERAPY, HIGH ENERGY, methods
4261. Warchol JB, Herbert DC, Rennels EG: Coated vesicles in the rat anterior pituitary gland. *Acta Histochem (Jena)* 61(2):296-304, 1978
- ANIMAL/ CELL MEMBRANE, physiology/ CELL MEMBRANE, ultrastructure/ CYTOPLASMIC GRANULES, ultrastructure/ EXOCYTOSIS/ FEMALE/ HOMEOSTASIS/ PITUITARY GLAND, ANTERIOR, physiology/ \*PITUITARY GLAND, ANTERIOR, ultrastructure/ PROLACTIN, secretion/ RATS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4262. Ward GE, Moffatt R, Olfert E: Abortion in mice associated with *Pasteurella pneumotropica*. *J Clin Microbiol* 8(2):177-80, Aug 78
- \*ABORTION, VETERINARY, microbiology/ ANIMAL/ ANIMALS, LABORATORY/ CASE REPORT/ FEMALE/ FETUS, microbiology/ LACTATION, microbiology/ MALE/ MICE/ NASOPHARYNX, microbiology/ \*PASTEURELLA, isolation & purification/ PREGNANCY/ \*RODENT DISEASES, microbiology/ SEMINAL VESICLES, microbiology/ SPLEEN, microbiology/ TESTIS, microbiology/ UTERUS, microbiology
4263. Warden AW: Circadian rhythms of self-selected light in golden hamsters: relation to gonadal condition. *Chronobiologia* 5(1):28-38, Jan-Mar 78
- ANIMAL/ \*CIRCADIAN RHYTHM/ DARKNESS/ FEMALE/ \*HAMSTERS, physiology/ \*LIGHT/ MALE/ \*MESOCRITICUS, physiology/ MONTHLY ACTIVITY/ ORGAN WEIGHT/ TESTIS, anatomy & histology/ \*TESTIS, physiology/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4264. Waring GO 3d: Glucocorticoid therapy in ocular herpes simplex. Editor's comment. *Surv Ophthalmol* 23(1):4-8, Jul-Aug 78
- GLUCOCORTICOIDS, administration & dosage/ GLUCOCORTICOIDS, therapeutic use/ HUMAN/ \*KERATITIS, DENDRITIC, drug therapy/ METHODS/ RESEARCH
4265. Warner TF: Medullary carcinoma and pheochromocytoma. [letter] *JAMA* 240(17):1856, 20 Oct 78
- \*ADRENAL GLAND NEOPLASMS, complications/ \*CARCINOMA, complications/ HUMAN/ \*PHEOCHROMOCYTOMA, complications/ \*THYROID NEOPLASMS, complications
4266. Wasada T, Ibayashi H: [Empty Sella syndrome] *Nippon Rinsho Suppl*:1542-3, May 78
- \*EMPTY SELLA SYNDROME/ FEMALE/ HUMAN
4267. Wasserman RH: Physiological regulation of calcium metabolism: the consequences of excess intake of 1,25-dihydroxycholecalciferol from natural sources. *Ann NY Acad Sci* 307:442-4, 28 Apr 78
- ANIMAL/ BIOLOGICAL TRANSPORT, active/ drug effects/ CALCINOSIS, etiology/ \*CALCIUM, metabolism/ CARRIER PROTEINS, biosynthesis/ DIHYDROXYCHOLECALCIFEROLS, administration & dosage/ \*DIHYDROXYCHOLECALCIFEROLS, pharmacodynamics/ \*HYDROXYCHOLECALCIFEROLS, pharmacodynamics/ KIDNEY, drug effects/ KIDNEY, metabolism/ MODELS, BIOLOGICAL
4268. Wasson AA: A courageous woman and a country doctor (Ephraim McDowell). *Front Nurs Serv Q Bull* 54(1):1-8, Summer 78
- FEMALE/ HISTORICAL ARTICLE/ HISTORY OF MEDICINE, 19th century/ HISTORY OF MEDICINE, 20th century/ HUMAN/ KENTUCKY/ \*NEOPLASMS, therapy/ \*OVARIAN CYSTS, surgery/ \*REGIONAL MEDICAL PROGRAMS/ RURAL HEALTH/ \*SURGERY, history
4269. Wasylewski A: Mnoga gruczolakowatość wewnątrzwydzielnicza. *Pol Tyg Lek* 33(36):1433-5, 78
- \*ADENOMATOSIS, FAMILIAL ENDOCRINE/ ADENOMATOSIS, FAMILIAL ENDOCRINE, physiopathology/ HUMAN/ PANCREAS, secretory/ PARATHYROID NEOPLASMS, physiopathology/ PHEOCHROMOCYTOMA, physiopathology/ THYROID NEOPLASMS, physiopathology/ ZOLLINGER-ELLISON SYNDROME, physiopathology
4270. Watabe T, Sawahata T: The recently proposed 20,22-epoxycholesterol as the intermediate in the conversion of cholesterol to 20,22-epoxycholesterol.



## AUTHOR SECTION

- of cholesterol to pregnenolone by adrenal cortex mitochondria must be  
 Salpha,6alpha-epoxycholestan-3beta-ol.  
 Biochem Biophys Res Commun 83(4):1396-403, 29 Aug 78  
 \*ADRENAL CORTEX, metabolism/ ANIMAL/  
 CATTLE/ CELL-FREE SYSTEM/  
 \*CHOLESTANOLS, metabolism/ \*CHOLESTEROL,  
 metabolism/ CHROMATOGRAPHY, THIN LAYER/  
 EPOXY COMPOUNDS, metabolism/  
 MITOCHONDRIA, metabolism/  
 \*PREGNENOLONE, biosynthesis/ SPECTRUM  
 ANALYSIS, MASS/ STEREOISOMERS
- Watanabe Y, Matsumoto I, Kumazawa T, et al: [Characteristics  
 of acupuncture analgesia, review of the articles on stimulation  
 produced analgesia and morphine like substance (author's  
 transl)] Masui 27(7):667-75, Jul 78 (51 ref.) (Eng. Abstr.)  
 (Jpn)  
 \*ACUPUNCTURE/ \*ANALGESIA/ ANIMAL/  
 BIOGENIC AMINES, physiology/ CATS/  
 COMPARATIVE STUDY/ ELECTRIC  
 STIMULATION/ \*ENDORPHINS, physiology/  
 ENGLISH ABSTRACT/ ENKEPHALINS,  
 physiology/ GUINEA PIGS/ HUMAN/ MONKEYS/  
 MORPHINE, pharmacodynamics/ NALOXONE,  
 pharmacodynamics/ RAPHE NUCLEI, physiology/  
 RATS/ RECEPTORS, NARCOTIC, physiology/  
 REVIEW/ SPINAL CORD, physiology
- Watkins J, Allen R, Ward AM: Adverse response to  
 alphadolone/alphaxalone: possible role of IgD [letter]  
 Lancet 2(8092 Pt 1):736, 30 Sep 78  
 ADOLESCENCE/ \*ALTHESIN, adverse effects/  
 \*ANAPHYLAXIS, etiology/ CHILD/ CHILD,  
 PRESCHOOL/ \*DRUG HYPERSENSITIVITY,  
 familial & genetic/ FEMALE/ HUMAN/  
 \*HYPERGAMMAGLOBULINEMIA, complications/  
 HYPERGAMMAGLOBULINEMIA, familial &  
 genetic/ \*IGD/ IMMUNITY, CELLULAR/  
 IMMUNOLOGIC MEMORY/ MIDDLE AGE/  
 \*PREGNANEDIONES, adverse effects
- Watson SJ, Akil H, Richard CW 3d, et al: Evidence for two  
 separate opiate peptide neuronal systems. Nature  
 275(5677):226-8, 21 Sep 78  
 ANIMAL/ ANTIBODY SPECIFICITY/ BRAIN  
 STEM, metabolism/ BRAIN, cytology/ \*BRAIN,  
 metabolism/ \*CORTICOTROPIN, metabolism/  
 \*ENDORPHINS, metabolism/ \*ENKEPHALINS,  
 metabolism/ HYPOTHALAMUS, metabolism/  
 IMMUNOLOGIC TECHNIQS/ \*LIPOTROPIN,  
 metabolism/ MALE/ RATS/ UNITED STATES  
 GOV'T SUPPORTED, P.H.S.
- Watzke RC: Incontinentia pigmenti [letter]  
 Arch Ophthalmol 96(10):1922, Oct 78  
 FEMALE/ HUMAN/ MALE/ \*PIGMENTATION  
 DISORDERS, familial & genetic/ \*SEX  
 CHROMOSOMES/ SEX FACTORS/ \*X  
 CHROMOSOME
- Weaker FJ, Cameron IL: Chromatin ultrastructure changes  
 during spermatogenesis in armadillos. Cytobios 19(74):79-91,  
 1977  
 ANIMAL/ \*ARMADILLOS, anatomy & histology/  
 CELL NUCLEUS, ultrastructure/ \*CHROMATIN,  
 ultrastructure/ \*EDENTATA, anatomy & histology/  
 MALE/ \*SPERMATOGENESIS/  
 \*SPERMATOZOA, ultrastructure/ \*TESTIS,  
 ultrastructure/ UNITED STATES GOV'T  
 SUPPORTED, P.H.S.
- Weatherhead B: Comparative cytology of the  
 neuro-intermediate lobe of the reptilian pituitary.  
 Anat Histol Embryol 7(2):97-119, Jun 78  
 ANIMAL/ \*PITUITARY GLAND, POSTERIOR,  
 cytology/ PITUITARY GLAND, POSTERIOR,  
 ultrastructure/ \*REPTILES, anatomy & histology/  
 SPECIES SPECIFICITY
- Weber MA, Oates HF, Stokes GS: beta-Adrenergic receptors  
 and renin release: studies with beta-adrenoreceptor-blocking  
 agents in the conscious rabbit. Clin Sci Mol Med 48 Suppl  
 2:89s-91s, Jun 75  
 \*ADRENERGIC BETA RECEPTOR  
 BLOCKADERS, pharmacodynamics/ ANIMAL/  
 \*BLOOD PRESSURE, drug effects/ MALE/  
 ORCIPRENALINE, pharmacodynamics/  
 OXPRENOLOL, pharmacodynamics/ PINDOLOL,  
 pharmacodynamics/ PRACTOLOL,  
 pharmacodynamics/ \*PROPANOLAMINES,  
 pharmacodynamics/ PROPRANOLOL,  
 pharmacodynamics/ RABBITS/ \*RENIN, blood
4278. Weber PC: Renal prostaglandins in the control of renin.  
 Contrib Nephrol 12:92-105, 1978  
 ADULT/ ANIMAL/ FEMALE/ FUROSEMIDE,  
 diagnostic use/ HUMAN/ \*HYPERTENSION,  
 physiopathology/ \*KIDNEY CORTEX, physiology/  
 MALE/ MIDDLE AGE/ PROSTAGLANDINS E,  
 blood/ PROSTAGLANDINS F, blood/  
 \*PROSTAGLANDINS, physiology/ RABBITS/  
 RENIN, blood/ \*RENIN, physiology
4279. Webster DJ, Bronn DG, Minton JP: Estrogen receptor levels  
 in multiple biopsies from patients with breast cancer.  
 Am J Surg 136(3):337-8, Sep 78  
 BIOPSY/ \*BREAST NEOPLASMS, analysis/  
 BREAST NEOPLASMS, pathology/ BREAST,  
 pathology/ FEMALE/ HUMAN/ \*RECEPTORS,  
 ESTROGEN, analysis/ TIME FACTORS
4280. Weekley LB, Morgan JD, Rea FW, et al: Alterations of brain  
 and intestine serotonin levels in hamsters pretreated with  
 dietary aflatoxin. Cancer Lett 5(2):75-80, Aug 78  
 \*AFLATOXINS, toxicity/ ANIMAL/ BODY  
 WEIGHT, drug effects/ \*BRAIN, drug effects/  
 BRAIN, metabolism/ \*DUODENUM, drug effects/  
 DUODENUM, metabolism/ HAMSTERS/  
 HYDROXYINDOLEACETIC ACID, metabolism/  
 LIVER, drug effects/ LIVER, metabolism/ MALE/  
 MESOCRICETUS/ \*SEROTONIN, metabolism/  
 TRYPTOPHAN, metabolism
4281. Weeks RA, Perry SV: Characterization of a region of the  
 primary sequence of troponin C involved in calcium  
 ion-dependent interaction with troponin I. Biochem J  
 173(2):449-57, 1 Aug 78  
 ADENOSINE TRIPHOSPHATASE, antagonists &  
 inhibitors/ AMINO ACIDS, analysis/ CALCIUM,  
 metabolism/ CHROMATOGRAPHY, AFFINITY/  
 CHROMATOGRAPHY, GEL/ CYANOGEN  
 BROMIDE/ ELECTROPHORESIS,  
 POLYACRYLAMIDE GEL/ \*MUSCLE  
 PROTEINS/ MUSCLE PROTEINS, metabolism/  
 PEPTIDE FRAGMENTS, isolation & purification/  
 PEPTIDE FRAGMENTS, pharmacodynamics/  
 PROTEIN KINASE, antagonists & inhibitors/  
 \*TROPONIN/ TROPONIN, metabolism
4282. Weidner W, Krause W, Pust R, et al: Testosteron-, FSH- und  
 LH-Spiegel im Serum bei Patienten mit Prostatakarzinom  
 unter Behandlung mit weiblichen Hormonen.  
 Helv Chir Acta 45(3):287-90, Jul 78 (Eng. Abstr.) (Ger)  
 \*DIETHYLSTILBESTROL, therapeutic use/  
 ENGLISH ABSTRACT/ FSH, blood/  
 \*GONADOTROPINS, blood/ HUMAN/ LH, blood/  
 MALE/ PROLACTIN, blood/ \*PROSTATIC  
 NEOPLASMS, therapy/ \*TESTOSTERONE, blood
4283. Weihs AC: Endocrine responses to elevated ambient pressure.  
 pp. 276-82.  
 In: Assenmacher I, Farner DS, ed. Environmental  
 endocrinology. Berlin, Springer, 1978. WK 102.3 E61 1977.  
 \*ADRENAL CORTEX HORMONES, physiology/  
 ADRENAL CORTEX, physiology/ \*ATMOSPHERIC  
 PRESSURE/ DIVING/ HUMAN/ \*HYDROSTATIC  
 PRESSURE/ IMMERSION/ MONOGRAPH/  
 \*PRESSURE
4284. Weinberger A, Myers AR: Intervertebral disc calcification in  
 adults: a review. Semin Arthritis Rheum 8(1):69-75, Aug 78  
 (42 ref.)  
 ACROMEGALY, complications/ ACROMEGALY,  
 radiography/ ADULT/ AMYLOIDOSIS,  
 complications/ AMYLOIDOSIS, radiography/  
 \*CALCINOSIS, etiology/ CALCINOSIS, radiography/  
 CHONDROCALCINOSIS, complications/  
 CHONDROCALCINOSIS, radiography/ FEMALE/  
 HEMOCHROMATOSIS, complications/  
 HEMOCHROMATOSIS, radiography/ HUMAN/  
 HYPERPARATHYROIDISM, complications/  
 \*INTERVERTEBRAL DISK/ INTERVERTEBRAL  
 DISK, radiography/ MALE/ MIDDLE AGE/  
 OCHRONOSIS, complications/ OCHRONOSIS,  
 radiography/ POLIOMYELITIS, complications/  
 POLIOMYELITIS, radiography/ REVIEW
4285. Weiner RI, Ganong WF: Role of brain monoamines and  
 histamine in regulation of anterior pituitary secretion.  
 Physiol Rev 58(4):905-76, Oct 78 (509 ref.)  
 ADRENAL CORTEX HORMONES, metabolism/



# AUTHOR SECTION

- ANIMAL/ \*CATECHOLAMINES, physiology/  
CATS/ CORTICOTROPIN, secretion/ DOGS/  
DOPAMINE, antagonists & inhibitors/ DOPAMINE,  
metabolism/ GONADOTROPINS, PITUITARY,  
secretion/ \*HISTAMINE, physiology/ HISTIDINE,  
metabolism/ HUMAN/ MONKEYS/ \*PITUITARY  
GLAND, ANTERIOR, secretion/ PROLACTIN,  
secretion/ RABBITS/ RATS/ REVIEW/  
\*SEROTONIN, physiology/ SHEEP/  
SOMATOTROPIN, secretion/ THYROTROPIN,  
secretion/ TRYPTOPHAN, metabolism/ TYROSINE,  
metabolism/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
4286. Weinstein PR: Neurosurgical treatment of pain from cancer.  
Ariz Med 35(8):532-6, Aug 78  
CHORDOTOMY/ ELECTROTHERAPY/ HUMAN/  
HYPOPHYSECTOMY/ \*NEOPLASMS,  
complications/ \*NERVOUS SYSTEM, surgery/ PAIN,  
etiology/ \*PAIN, surgery/ \*PALLIATIVE  
TREATMENT
4287. Weinstein Y: Impairment of the hypothalamo-pituitary-ovarian  
axis of the athymic 'nude' mouse. Mech Ageing Dev  
8(1):63-8, Jul 78  
ANIMAL/ BRAIN DISEASES, complications/  
CASTRATION/ FEMALE/ FSH, analysis/ FSH,  
blood/ \*HYPOTHALAMO-HYPOPHYSEAL  
SYSTEM/ HYPOTHALAMUS, analysis/ LH, analysis/  
LH, blood/ MICE/ \*MICE, NUDE/ \*OVARIAN  
DISEASES, etiology/ PITUITARY GLAND,  
ANTERIOR, analysis/ PITUITARY GLAND,  
ANTERIOR, drug effects/ PITUITARY HORMONE  
RELEASING HORMONES, analysis/ PITUITARY  
HORMONE RELEASING HORMONES,  
pharmacodynamics/ THYMUS GLAND, physiology
4288. Weintraub BD, Stannard BS: Precursor-product relationships  
in the biosynthesis and secretion of thyrotropin and its  
subunits by mouse thyrotropic tumor cells. FEBS Lett  
92(2):303-7, 15 Aug 78  
CELLS, CULTURED/ EXTRACELLULAR SPACE,  
metabolism/ GLYCOPROTEINS, metabolism/  
MACROMOLECULAR SYSTEMS/ MOLECULAR  
WEIGHT/ NEOPLASMS, EXPERIMENTAL,  
metabolism/ NEOPLASMS, EXPERIMENTAL,  
pathology/ \*PITUITARY NEOPLASMS, metabolism/  
PITUITARY NEOPLASMS, pathology/ \*PROTEIN  
PRECURSORS, metabolism/ \*THYROTROPIN,  
metabolism
4289. Weintraub HS, Abrams LS, Patrick JE, et al: Disposition of  
norgestimate in the presence and absence of ethinyl estradiol  
after oral administration to humans. J Pharm Sci  
67(10):1406-8, Oct 78  
ADMINISTRATION, ORAL/ DRUG  
COMBINATIONS/ DRUG INTERACTIONS/  
\*ETHINYL ESTRADIOL, pharmacodynamics/  
FEMALE/ HUMAN/ INTESTINAL ABSORPTION/  
KINETICS/ \*NORGESTREL, analogs & derivatives/  
NORGESTREL, administration & dosage/  
NORGESTREL, metabolism
4290. Weir AB Jr, Poon MC, McGowan EI: Plasma exchange for  
idiopathic thrombocytopenic purpura [letter] Lancet  
2(8091):689, 23 Sep 78  
CASE REPORT/ CYCLOPHOSPHAMIDE,  
administration & dosage/ EVALUATION STUDIES/  
HUMAN/ MALE/ MIDDLE AGE/  
\*PLASMAPHERESIS/ PREDNISONE, administration  
& dosage/ \*PURPURA, THROMBOPENIC, therapy
4291. Weiss DB, Rodriguez-Rigau LJ, Smith KD, et al: Leydig cell  
function in oligospermic men with varicocele. J Urol  
120(4):427-30, Oct 78  
ADULT/ FSH, blood/ HUMAN/ IN VITRO/  
\*LEYDIG CELLS, physiopathology/ LH, blood/  
MALE/ OLIGOSPERMIA, complications/  
\*OLIGOSPERMIA, physiopathology/ SPERM  
MOTILITY/ TESTOSTERONE, blood/ UNITED  
STATES GOV'T SUPPORTED, P.H.S./  
VARICOCELE, complications/ \*VARICOCELE,  
physiopathology
4292. Weiss GB: Quantitative measurement of binding sites and  
washout components for calcium ion in vascular smooth  
muscle. pp. 57-74.  
In: Weiss GB, ed. Calcium in drug action. New York,  
Plenum Press, 1978. QV 276 S989c 1977.  
ANIMAL/ BINDING SITES, drug effects/ BLOOD  
VESSELS, drug effects/ \*BLOOD VESSELS,  
metabolism/ \*CALCIUM, metabolism/ IN VITRO  
KINETICS/ LUTETIUM, pharmacodynamics/  
MONOGRAPH/ MUSCLE, SMOOTH, drug e  
\*MUSCLE, SMOOTH, metabolism/ RABBITS  
STRONTIUM, pharmacodynamics/ UNITED S  
GOV'T SUPPORTED, P.H.S.
4293. Weiss L: Some mechanisms involved in cancer cell death  
by necrotic material. Int J Cancer 22(2):196-203, 1978  
ANIMAL/ CARCINOMA 256, WALKER,  
enzymology/ \*CARCINOMA 256, WALKER,  
pathology/ \*CELL ADHESION/ CELL ADH  
drug effects/ CELL NUMBER/ FEMALE/  
HYDROCORTISONE, pharmacodynamics/  
LYSOSOMES, enzymology/ MACROPHAGE  
enzymology/ MACROPHAGES, pathology/  
NECROSIS, enzymology/ \*NECROSIS, pathol  
\*NEOPLASM METASTASIS/ RATS
4294. Weiss RM: Uretral function. Urology 12(2):114-33, A  
ADENOSINE CYCLIC-3',5'-MONOPHOSPH  
metabolism/ AGE FACTORS/ ANIMAL/  
AUTONOMIC NERVOUS SYSTEM, physiolo  
BIOMECHANICS/ ELECTROPHYSIOLOGY  
HUMAN/ MUSCLE CONTRACTION/ NEU  
TRANSMISSION/ NEUROMUSCULAR  
JUNCTION, physiology/ RECEPTORS,  
ADRENERGIC/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ URETER, cytology/  
URETER, innervation/ \*URETER, physiology
4295. Weiss SB, Aboulafia Y: [Testicular varicocele and inf  
the unsolved problem] Harefuah 94(10):330-2, 15 M  
(66 ref.)  
HUMAN/ MALE/ REVIEW/ \*STERILITY, M  
etiology/ \*TESTICULAR DISEASES, complic  
\*VARICOCELE, complications
4296. Weiss TJ, Armstrong DT, McIntosh JE, et al: Mature  
changes in sheep ovarian follicles: gonadotrophic stim  
of cyclic AMP production by isolated theca and gra  
cells. Acta Endocrinol (Copenh) 89(1):166-72, Sep  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPH  
biosynthesis/ ANIMAL/ CELL SEPARATION  
CELLS, CULTURED/ FEMALE/ FSH,  
pharmacodynamics/ \*GONADOTROPINS,  
CHORIONIC, pharmacodynamics/ GRAAFIAN  
FOLLICLE, growth & development/ \*GRANU  
CELLS, metabolism/ HUMAN/ SHEEP/  
STIMULATION, CHEMICAL/ \*THECA CE  
metabolism
4297. Weiss TJ, Janson PO, Porter KJ, et al: Effects of hu  
chorionic gonadotrophin on the release of cyclic AM  
progesterone from the sheep ovary at different stages  
oestrous cycle. Acta Endocrinol (Copenh) 89(1):158-  
78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPH  
secretion/ ANIMAL/ ESTRUS/ FEMALE/  
\*GONADOTROPINS, CHORIONIC,  
pharmacodynamics/ HUMAN/ OVARY, physio  
\*OVARY, secretion/ \*PROGESTERONE, secr  
SECRETORY RATE, drug effects/ SHEEP
4298. Wekerle H, Begemann M: In vitro induction of exper  
autoimmune orchitis: characterization of a primary  
lymphocyte response against testicular self antigens.  
Eur J Immunol 8(5):294-302, May 78  
ANIMAL/ ANTIGENIC DETERMINANTS/  
\*ANTIGENS, immunology/ \*AUTOANTIGEN  
immunology/ CELLS, CULTURED/ LYMPHO  
TRANSFORMATION/ MAJOR  
HISTOCOMPATIBILITY COMPLEX/ MALE  
\*ORCHITIS, immunology/ PHENOTYPE/ RA  
RATS, INBRED STRAINS/ ROSETTE  
FORMATION/ T-LYMPHOCYTES, transplant  
\*TESTIS, immunology
4299. Welsch CW, Dombroske SE, McManus MJ: Effects of f  
human placental lactogen and human growth hormo  
DNA synthesis in organ cultures of benign human  
tumours. Br J Cancer 38(2):258-62, Aug 78  
\*BREAST NEOPLASMS, metabolism/ CELL  
DIVISION/ CELLS, CULTURED/ \*DNA,  
NEOPLASM, biosynthesis/ FEMALE/ HUMA  
\*INSULIN, pharmacodynamics/ MENOPAUSE  
\*PLACENTAL LACTOGEN, pharmacodynami  
\*SOMATOTROPIN, pharmacodynamics
4300. Welsch CW: Prolactin and the development and prog



# AUTHOR SECTION

of early neoplastic mammary gland lesions. *Cancer Res* 38(11 Pt 2):4054-8, Nov 78

ANIMAL/ BREAST NEOPLASMS, metabolism/  
CASTRATION/ COMPARATIVE STUDY/ DNA,  
NEOPLASM, biosynthesis/ ESTRADIOL,  
pharmacodynamics/ FEMALE/ HUMAN/  
\*MAMMARY NEOPLASMS, EXPERIMENTAL,  
etiology/ MAMMARY NEOPLASMS,  
EXPERIMENTAL, prevention & control/  
MESTRANOL, pharmacodynamics/ MICE/ MICE,  
INBRED C3H/ MICE, NUDE/ NEOPLASM  
TRANSPLANTATION/ NORETHYNODREL,  
pharmacodynamics/ ORGAN CULTURE/ OVARY,  
physiology/ PARITY/ PLACENTAL LACTOGEN,  
pharmacodynamics/ \*PRECANCEROUS  
CONDITIONS, etiology/ PRECANCEROUS  
CONDITIONS, prevention & control/ PREGNANCY/  
PROLACTIN, antagonists & inhibitors/  
\*PROLACTIN, physiology/ TRANSPLANTATION,  
HETEROLOGOUS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ 2-BROMOERGOCRYPTINE,  
pharmacodynamics

Welsch F: Choline metabolism in human term placenta—studies on de novo synthesis and the effects of some drugs on the metabolic fate of [N-methyl 3H]choline. *Biochem Pharmacol* 27(8):1251-7, 1978

CHOLINE, biosynthesis/ \*CHOLINE, metabolism/  
DINITROPHENOLS, pharmacodynamics/ FEMALE/  
HUMAN/ IN VITRO/ PARAOXON,  
pharmacodynamics/ PLACENTA, drug effects/  
\*PLACENTA, metabolism/ PREGNANCY/  
SODIUM, pharmacodynamics/ TIME FACTORS/  
UNITED STATES GOV'T SUPPORTED, P.H.S.

Welt SI, Crenshaw MC Jr: Concurrent hypertension and pregnancy. *Clin Obstet Gynecol* 21(3):619-48, Sep 78 (80 ref.)

AMNIOTIC FLUID, analysis/  
ANTIHYPERTENSIVE AGENTS, therapeutic use/  
DEHYDROEPIANDROSTERONE, metabolism/  
DIURETICS, therapeutic use/ ESTROGENS,  
metabolism/ FEMALE/ FETAL MONITORING/  
FETUS/ HEART RATE/ HUMAN/  
\*HYPERTENSION/ HYPERTENSION, diagnosis/  
HYPERTENSION, drug therapy/ HYPERTENSION,  
metabolism/ PHYSICAL EXAMINATION/  
PLACENTA, enzymology/ PLACENTAL  
LACTOGEN, analysis/ \*PREGNANCY  
COMPLICATIONS, CARDIOVASCULAR/  
PREGNANCY COMPLICATIONS,  
CARDIOVASCULAR, diagnosis/ PREGNANCY  
COMPLICATIONS, CARDIOVASCULAR, drug  
therapy/ PREGNANCY/ PROGNOSIS/ REVIEW/  
ULTRASONICS, diagnostic use

Wenger T, Gerendai I, Halász B: Effect of hypophysectomy on the luteinizing hormone-releasing hormone content of the organum vasculosum of the lamina terminalis in female rat. *Brain Res* 157(1):157-60, 17 Nov 78

ANIMAL/ ESTRUS/ FEMALE/  
\*HYPOPHYSECTOMY/ \*HYPOTHALAMUS,  
metabolism/ HYPOTHALAMUS, MEDIAL,  
metabolism/ \*LH-FSH RELEASING HORMONE,  
metabolism/ \*NEUROHEMAL ORGAN, metabolism/  
\*NEUROSECRETORY SYSTEMS, metabolism/  
RATS

Werka T, Skår J, Ursin H: Exploration and avoidance in rats with lesions in amygdala and piriform cortex. *J Comp Physiol Psychol* 92(4):672-81, Aug 78

\*AMYGDALOID BODY, physiology/ ANIMAL/  
\*AVOIDANCE LEARNING, physiology/ BRAIN  
MAPPING/ \*EXPLORATORY BEHAVIOR,  
physiology/ EXTINCTION (PSYCHOLOGY)/  
\*LIMBIC SYSTEM, physiology/ MALE/ RATS/  
REACTION TIME, physiology/ RETENTION  
(PSYCHOLOGY), physiology

Werner SC: The thyroid nodule problem: an assessment [clinical conference]. *Ariz Med* 35(8):546-8, 551, Aug 78

BIOPSY, NEEDLE/ HUMAN/ NEOPLASMS,  
RADIATION-INDUCED/ \*THYROID DISEASES/  
THYROID DISEASES, diagnosis/ THYROID  
GLAND, radiation effects/ THYROID NEOPLASMS,  
diagnosis/ THYROID NEOPLASMS, etiology/  
THYROID NEOPLASMS, pathology

Werner U, Günnewig H, Bock KD: Relationships between plasma renin activity and urinary and plasma catecholamines.

*Clin Sci Mol Med* 48 Suppl 2:287s-290s, Jun 75  
BLOOD PRESSURE, drug effects/ CLONIDINE,  
pharmacodynamics/ DIHYDRALAZINE,  
pharmacodynamics/ FUROSEMIDE,  
pharmacodynamics/ HUMAN/ \*HYPERTENSION,  
blood/ HYPERTENSION, urine/ \*HYPERTENSION,  
RENAL, blood/ HYPERTENSION, RENAL, urine/  
\*NOREPINEPHRINE, blood/ \*NOREPINEPHRINE,  
urine/ \*RENIN, blood

4307. Wesser DR: A single stage operative technique for castration, vaginal construction and perineoplasty in transsexuals. *Arch Sex Behav* 7(4):309-23, Jul 78

ATTITUDE OF HEALTH PERSONNEL/  
\*CASTRATION/ FOLLOW-UP STUDIES/  
\*GENITALIA, FEMALE, surgery/ HUMAN/  
MALE/ METHODS/ PERSONAL SATISFACTION/  
POSTOPERATIVE COMPLICATIONS/  
RECTOVAGINAL FISTULA, etiology/  
\*TRANSSEXUALISM, surgery/ \*VAGINA, surgery

4308. West CD, Dolman LI: Plasma ACTH radioimmunoassays in the diagnosis of pituitary-adrenal dysfunction. *Ann NY Acad Sci* 297:205-19, 28 Oct 77

\*ADRENAL GLAND HYPOFUNCTION, blood/  
\*CORTICOTROPIN, blood/ \*CUSHING'S  
SYNDROME, blood/ DEXAMETHASONE,  
diagnostic use/ HUMAN/ METYRAPONE, diagnostic  
use/ \*PITUITARY-ADRENAL FUNCTION TESTS/  
RADIOIMMUNOASSAY/ UNITED STATES  
GOV'T SUPPORTED, P.H.S.

4309. West WE: Inducing labour with the Cardiff infusion system. *Nurs Mirror* 147(10):27-30, 7 Sep 78

FEMALE/ HUMAN/ LABOR, INDUCED,  
instrumentation/ \*LABOR, INDUCED, methods/  
\*OBSTETRICAL NURSING/ OXYTOCIN,  
therapeutic use

4310. Whalen RE, Etgen AM: Masculinization and defeminization induced in female hamsters by neonatal treatment with estradiol benzoate and RU-2858. *Horm Behav* 10(2):170-7, Apr 78

ANIMAL/ ANIMALS, NEWBORN/  
DOSE-RESPONSE RELATIONSHIP, DRUG/  
ESTRADIOL, administration & dosage/  
\*ESTRADIOL, pharmacodynamics/ ESTROGENS,  
SYNTHETIC, administration & dosage/  
\*ESTROGENS, SYNTHETIC, pharmacodynamics/  
FEMALE/ HAMSTERS/ MALE/  
MESOCRICETUS/ \*SEX BEHAVIOR, ANIMAL,  
drug effects/ SEX FACTORS/ TESTOSTERONE,  
pharmacodynamics/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.

4311. Whalley ET: The action of bradykinin and oxytocin on the isolated whole uterus and myometrium of the rat in oestrus. *Br J Pharmacol* 64(1):21-8, Sep 78

ACETYLCHOLINE, pharmacodynamics/ ANIMAL/  
\*BRADYKININ, pharmacodynamics/ DRUG  
SYNERGISM/ ESTRUS/ FEMALE/ IN VITRO/  
MYOMETRIUM, anatomy & histology/  
\*MYOMETRIUM, drug effects/ \*OXYTOCIN,  
pharmacodynamics/ POLYPHLORETIN  
PHOSPHATE, pharmacodynamics/  
PROSTAGLANDINS F, pharmacodynamics/ RATS/  
\*UTERINE CONTRACTION, drug effects/ UTERUS,  
anatomy & histology/ \*UTERUS, drug effects

4312. Whipp SC: Physiology of diarrhea—small intestines.

*J Am Vet Med Assoc* 173(5 Pt 2):662-6, 1 Sep 78 (70 ref.)

ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ ADENYL CYCLASE, metabolism/  
ANIMAL/ BICARBONATES, metabolism/  
BIOLOGICAL TRANSPORT/ BLOOD VOLUME/  
CATTLE/ CELL MEMBRANE PERMEABILITY/  
CHLORIDES, metabolism/ DIARRHEA,  
physiopathology/ \*DIARRHEA, veterinary/  
ENTEROTOXINS, pharmacodynamics/ GUINEA  
PIGS/ HUMAN/ INTESTINAL ABSORPTION/  
INTESTINAL SECRETIONS/ INTESTINE,  
SMALL, metabolism/ \*INTESTINE, SMALL,  
physiology/ RABBITS/ REVIEW/ SODIUM,  
metabolism/ SWINE/ WATER, metabolism

4313. Whitaker PM, Seeman P: High-affinity 3H-serotonin binding to caudate: inhibition by hallucinogens and serotonergic drugs. *Psychopharmacology* (Berlin) 59(1):1-5, 15 Sep 78

ANIMAL/ BRAIN, metabolism/ CATTLE/  
CAUDATE NUCLEUS, drug effects/ \*CAUDATE  
NUCLEUS, metabolism/ \*HALLUCINOGENS,



# AUTHOR SECTION

- pharmacodynamics/ IN VITRO/ KINETICS/  
MEMBRANES, metabolism/ RECEPTORS,  
SEROTONIN, drug effects/ \*RECEPTORS,  
SEROTONIN, metabolism/ \*SEROTONIN, physiology
4314. White LO, Newham HC, Ride JP: Estimation of *Absidia ramosa* infection in the brain and kidneys of cortisone-treated mice by chitin assay. *Mycopathologia* 63(3):177-9, 10 Aug 78  
ANIMAL/ BRAIN CHEMISTRY/ \*BRAIN,  
microbiology/ \*CHITIN, analysis/ CORTISONE,  
adverse effects/ KIDNEY, analysis/ \*KIDNEY,  
microbiology/ MALE/ MICE/ \*MUCORALES,  
growth & development/ MUCORMYCOSIS,  
metabolism/ \*MUCORMYCOSIS, microbiology/  
UREA, blood
4315. White WJ, McLaughlin PJ, Zagon IS: Effects of chronic methadone treatment on maternal body weight and food and water consumption in rats. *Pharmacology* 17(4):227-32, 1978  
ANIMAL/ \*BODY WEIGHT, drug effects/  
\*DRINKING, drug effects/ \*EATING, drug effects/  
FEMALE/ INJECTIONS, INTRAPERITONEAL/  
LACTATION, drug effects/ METHADONE,  
administration & dosage/ \*METHADONE,  
pharmacodynamics/ PREGNANCY/ \*PREGNANCY,  
ANIMAL/ RATS/ TERATOGENS/ UNITED  
STATES GOV'T SUPPORTED
4316. Whitenack DL, Whitehair CK, Miller ER: Influence of enteric infection on zinc utilization and clinical signs and lesions of zinc deficiency in young swine. *Am J Vet Res* 39(9):1447-54, Sep 78  
ANIMAL/ GASTROENTERITIS,  
TRANSMISSIBLE, OF SWINE, complications/  
\*GASTROENTERITIS, TRANSMISSIBLE, OF  
SWINE, metabolism/ GASTROENTERITIS,  
TRANSMISSIBLE, OF SWINE, pathology/  
INTESTINE, SMALL, pathology/ MALE/  
PANCREAS, pathology/ PARAKERATOSIS,  
pathology/ PARAKERATOSIS, veterinary/ SKIN,  
pathology/ \*SWINE DISEASES, metabolism/ SWINE  
DISEASES, pathology/ SWINE/ TESTIS, pathology/  
THYMUS GLAND, pathology/ UNITED STATES  
GOV'T SUPPORTED, P.H.S./ \*ZINC, deficiency/  
ZINC, metabolism
4317. Whittle BJ, Boughton-Smith NK, Moncada S, et al: The relative activity of prostacyclin (PGI<sub>2</sub>) and a stable analogue 6beta-PGI<sub>1</sub> on the gastrointestinal and cardiovascular systems. *J Pharm Pharmacol* 30(9):597-9, Sep 78  
ANIMAL/ \*BLOOD PRESSURE, drug effects/  
COMPARATIVE STUDY/ GASTRIC JUICE,  
secretion/ \*GASTROINTESTINAL SYSTEM, drug  
effects/ HUMAN/ IN VITRO/ MUSCLE  
CONTRACTION, drug effects/ MUSCLE, SMOOTH,  
drug effects/ \*PLATELET AGGREGATION, drug  
effects/ \*PROSTAGLANDINS X, pharmacodynamics/  
\*PROSTAGLANDINS, pharmacodynamics/  
\*PROSTAGLANDINS, SYNTHETIC,  
pharmacodynamics/ RATS/ STOMACH ULCER,  
prevention & control
4318. Whittle BJ, Boughton-Smith NK, Moncada S, et al: Actions of prostacyclin (PGI<sub>2</sub>) and its product, 6-oxo-PGF<sub>1</sub>alpha on the rat gastric mucosa in vivo and in vitro. *Prostaglandins* 15(6):955-67, Jun 78  
ANIMAL/ \*GASTRIC JUICE, secretion/ GASTRIC  
MUCOSA, blood supply/ \*GASTRIC MUCOSA, drug  
effects/ INDOMETHACIN, antagonists & inhibitors/  
INFUSIONS, PARENTERAL/ PENTAGASTRIN,  
pharmacodynamics/ PROSTAGLANDINS E,  
pharmacodynamics/ \*PROSTAGLANDINS F,  
SYNTHETIC, pharmacodynamics/  
PROSTAGLANDINS X, administration & dosage/  
\*PROSTAGLANDINS X, pharmacodynamics/  
\*PROSTAGLANDINS, pharmacodynamics/ RATS/  
SECRETORY RATE, drug effects/ STOMACH  
DISEASES, chemically induced
4319. Whyman D: Oestrous and ovarian responses to exogenous progesterone and oestrogen in prepubertal ewe lambs in relation to the fecundity of their dams. *J Reprod Fertil* 53(2):323-30, Jul 78  
ANIMAL/ \*ESTRADIOL, pharmacodynamics/  
\*ESTRUS, drug effects/ FEMALE/ \*FERTILITY/  
GRAAFIAN FOLLICLE, anatomy & histology/  
\*GRAAFIAN FOLLICLE, drug effects/  
PROGESTERONE, pharmacodynamics/ SHEEP
4320. Widdowson EM: Prenatal nutrition. *Ann NY Acad Sci* 300:188-96, 30 Nov 77
- \*BIRTH WEIGHT/ \*DEFICIENCY DISEASES  
FEMALE/ HUMAN/ PLACENTA DISORDERS  
physiopathology/ PLACENTA, blood supply/  
\*PREGNANCY COMPLICATIONS/ PREGNANCY
4321. Wide L, Hobson B: Chromatographic studies on a chondrogonadotropic activity in the placenta of the rat, mouse and hamster. *Ups J Med Sci* 83(1):1-6, 1978  
ANIMAL/ BIOLOGICAL ASSAY/  
CHROMATOGRAPHY, GEL/ COMPARATIVE  
STUDY/ FEMALE/ \*GONADOTROPINS,  
CHORIONIC, analysis/ HAMSTERS/ HUMAN/  
MICE/ \*PLACENTA, analysis/ PREGNANCY/  
RADIOIMMUNOASSAY/ RATS/ TISSUE  
EXTRACTS, analysis
4322. Widom CS: Toward an understanding of female criminality. *Prog Exp Pers Res* 8:245-308, 1978 (153 ref.)  
ANTISOCIAL PERSONALITY/ ATTITUDE  
CONDITIONING (PSYCHOLOGY)/ \*CRIME  
\*CRIMINAL PSYCHOLOGY/ EDUCATION,  
ENVIRONMENT/ FEMALE/ GENDER  
IDENTITY/ HUMAN/ INTELLIGENCE/  
MARRIAGE/ MENSTRUATION/ MENTAL  
DISORDERS, psychology/ PERSONALITY  
INVENTORY/ RESEARCH DESIGN/ REVIEW  
SELF CONCEPT/ SEX CHROMOSOME  
ABNORMALITIES/ SEX HORMONES, physiology/  
SOCIALIZATION/ SOCIOECONOMIC FACTORS/  
STATISTICS/ STRESS, PSYCHOLOGICAL/  
\*WOMEN
4323. Wierdis T, Zanno C, Terzi I, et al: Criteri di interpretazione del test con LH-RH. Indagine preliminare allo studio dell'amenorrea in corso di diabete mellito. *Minerva Ginecologica* 30(9):695-706, Sep 78  
ADOLESCENCE/ ADULT/ \*AMENORRHEA,  
etiology/ AMENORRHEA, physiopathology/  
REPORT/ \*DIABETES MELLITUS, complications/  
DIABETES MELLITUS, physiopathology/  
FEMALE/ FSH, blood/ HUMAN/ LH, blood/  
\*LH-FSH RELEASING HORMONE, diagnosis/  
PITUITARY FUNCTION TESTS/ \*PITUITARY  
GLAND, ANTERIOR, physiopathology/ PITUITARY  
GLAND, ANTERIOR, secretion
4324. Wieringa B, Mulder J, van der Ende A, et al: Purification of vitellogenin mRNA and serum albumin mRNA from liver by preparative gel electrophoresis. *Eur J Biochem* 89(1):67-79, 15 Aug 78  
ANIMAL/ CHICKENS/ DUCKS/ ESTRADIOL,  
pharmacodynamics/ FEMALE/ \*LIPOPROTEIN  
biosynthesis/ LIVER, drug effects/ \*LIVER,  
metabolism/ MOLECULAR WEIGHT/  
POLYRIBOSOMES, metabolism/ \*RNA,  
MESSENGER, isolation & purification/ RNA,  
MESSENGER, metabolism/ \*SERUM ALBUMIN,  
biosynthesis/ TRANSLATION, GENETIC, drug  
effects/ \*VITELLOGENIN, biosynthesis
4325. Wiersinga WM, Schellekens AP, Touber JL: De waarde van de bepaling van trijodothyronine in plasma voor de diagnostiek van hypothyreoïdie en hyperthyreoïdie. *Ned Tijdschr Geneesk* 122(37):1349-58, 16 Sep 78 (Abstr.)  
ADULT/ AGED/ CASE REPORT/  
CONTRACEPTIVES, ORAL, metabolism/ ENDOCRINE  
ABSTRACT/ FEMALE/ GOITER,  
EXOPHTHALMIC, blood/ GOITER, NODULAR,  
blood/ HUMAN/ HYPERTHYROIDISM, blood/  
\*HYPOTHYROIDISM, blood/ MALE/ MIDD  
AGE/ PROTEIN BINDING/  
RADIOIMMUNOASSAY/ THYROID FUNCTION  
TESTS/ THYROID NEOPLASMS, blood/  
THYROIDECTOMY/ THYROXINE, blood/  
\*TRIODOTHYRONINE, blood
4326. Wiesel FA, Bjerkenstedt L, Skett P: Effect of melperone on the metabolism and thiothixene on central monoamine metabolism and prolactin levels in rodents. *Acta Pharmacol Toxicol (Copenh)* 43(2):129-36, Aug 78  
ANIMAL/ \*BRAIN, metabolism/  
\*BUTYROPHENONES, pharmacodynamics/  
\*CATECHOLAMINES, metabolism/ CHEMIS  
DOSE-RESPONSE RELATIONSHIP, DRUGS/  
HOMOVANILLIC ACID, metabolism/  
HYDROXYINDOLEACETIC ACID, metabolism/  
MALE/ METHOXYHYDROXYPHENYLGLY  
metabolism/ MICE/ PIPERIDINES,  
pharmacodynamics/ \*PROLACTIN, blood/ RA



# AUTHOR SECTION

- THIOETHIXENE, administration & dosage/  
\*THIOETHIXENE, pharmacodynamics/ TIME  
FACTORS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./  
3,4-DIHYDROXYPHENYLACETIC ACID,  
metabolism
4327. Wijnen HJ, Palkovits M, de Jong W, et al: Elevated adrenaline  
content in nuclei of the medulla oblongata and the  
hypothalamus during the development of spontaneous  
hypertension. *Brain Res* 157(1):191-5, 17 Nov 78  
ANIMAL/ BLOOD PRESSURE/ \*EPINEPHRINE,  
metabolism/ \*HYPERTENSION, metabolism/  
HYPOTHALAMUS, metabolism/ MALE/  
\*MEDULLA OBLONGATA, metabolism/  
NOREPINEPHRINE, metabolism/  
PARAVENTRICULAR NUCLEUS, metabolism/  
RATS
4328. Wiklund L, Björklund A, Nobin A: Regeneration of serotonin  
neurons in the rat brain after  
5,6-dihydroxytryptamine-induced axotomy.  
*Ann NY Acad Sci* 305:370-84, 12 Jun 78 (19 ref.)  
ANIMAL/ \*AXONS, drug effects/ \*BRAIN, cytology/  
BRAIN, metabolism/ BRAIN, physiology/  
FLUORESCENT ANTIBODY TECHNIC/ IN  
VITRO/ \*NERVE REGENERATION/ \*NEURONS,  
physiology/ RATS/ REVIEW/ SEROTONIN,  
metabolism/ \*SEROTONIN, physiology/ SPINAL  
CORD, cytology/ SPINAL CORD, physiology/  
\*5,6-DIHYDROXYTRYPTAMINE,  
pharmacodynamics
4329. Wilbur WJ, Power GG, Longo LD: Water exchange in the  
placenta: a mathematical model. *Am J Physiol*  
235(3):R181-99, Sep 78  
CELL MEMBRANE PERMEABILITY/  
MATERNAL-FETAL EXCHANGE/  
MATHEMATICS/ \*MODELS, BIOLOGICAL/  
\*PLACENTA, metabolism/ UNITED STATES  
GOV'T SUPPORTED, P.H.S./ \*WATER, metabolism
4330. Wilczek H, Stěpán J, Ston J, et al: Význam některých ukazatelů  
kalciové homeostázy u nemocných s antikoncepční léčbou.  
*Sb Lek* 80(9):257-61, Sep 78 (Eng. Abstr.) (Cze)  
ADULT/ \*ANTICONVULSANTS, administration &  
dosage/ BARBITURATES, administration & dosage/  
\*CALCIUM, metabolism/ ENGLISH ABSTRACT/  
EPILEPSY, drug therapy/ FEMALE/  
\*HOMEOSTASIS, drug effects/ HUMAN/  
HYDANTOINS, administration & dosage/ LONG  
TERM CARE/ MALE/ MIDDLE AGE
4331. Wilkinson HA: Intracranial pressure reserve testing. Initial  
clinical observations. *Arch Neurol* 35(10):661-7, Oct 78  
BRAIN EDEMA, physiopathology/ BRAIN  
INJURIES, ACUTE, physiopathology/ BRAIN  
NEOPLASMS, physiopathology/ BRAIN  
NEOPLASMS, surgery/ \*BRAIN, physiology/  
CEREBRAL ANEURYSM, physiopathology/  
CEREBRAL HEMORRHAGE, physiopathology/  
DEXAMETHASONE, therapeutic use/ DURA  
MATER/ HEMATOMA, physiopathology/ HUMAN/  
INJECTIONS/ \*INTRACRANIAL PRESSURE/  
INTRACRANIAL PRESSURE, drug effects/  
MANNITOL, pharmacodynamics/ METHODS/  
MONITORING, PHYSIOLOGIC/  
POSTOPERATIVE COMPLICATIONS,  
physiopathology/ SODIUM CHLORIDE
4332. Williams AT, Font RL, Van Dyk HJ, et al: Osseous choristoma  
of the choroid simulating a choroidal melanoma. Association  
with a positive 32P test. *Arch Ophthalmol* 96(10):1874-7,  
Oct 78  
ADULT/ \*BONE AND BONES/ CASE REPORT/  
\*CHORISTOMA, diagnosis/ CHORISTOMA,  
pathology/ \*CHOROID NEOPLASMS, diagnosis/  
CHOROID NEOPLASMS, pathology/ DIAGNOSIS,  
DIFFERENTIAL/ FEMALE/ FLUORESCENT  
ANGIOGRAPHY/ HUMAN/ \*MELANOMA,  
diagnosis/ \*PHOSPHORUS RADIOISOTOPES,  
diagnostic use
4333. Williams CO: Radiologic seminar CLXXXIV: Brenner tumor  
of the ovary--ultrasound findings.  
*J Miss State Med Assoc* 19(9):168-9, Sep 78  
\*BRENNER TUMOR, diagnosis/ BRENNER  
TUMOR, surgery/ CASE REPORT/ FEMALE/  
HUMAN/ MIDDLE AGE/ \*OVARIAN  
NEOPLASMS, diagnosis/ OVARIAN NEOPLASMS,  
surgery/ \*ULTRASONICS, diagnostic use
4334. Williams JA: Catharanthine: a novel stimulator of pancreatic  
enzyme release. *Cell Tissue Res* 192(2):277-84, 5 Sep 78  
\*AMYLASES, secretion/ ANIMAL/ ANTIMYCIN A,  
pharmacodynamics/ ATROPINE, pharmacodynamics/  
BETHANECHOL COMPOUNDS,  
pharmacodynamics/ CALCIUM, metabolism/ MALE/  
MICE/ PANCREAS, drug effects/ \*PANCREAS,  
enzymology/ PANCREAS, ultrastructure/ UNITED  
STATES GOV'T SUPPORTED, P.H.S./ \*VINCA  
ALKALOIDS, pharmacodynamics
4335. Williams SD, Einhorn LH: Chemotherapy of disseminated  
testicular cancer. *Ariz Med* 35(9):595-7, Sep 78  
ADULT/ AGED/ BLEOMYCIN, administration &  
dosage/ BLEOMYCIN, therapeutic use/ DRUG  
THERAPY, COMBINATION/ FOLLOW-UP  
STUDIES/ HUMAN/ MALE/ MIDDLE AGE/  
PLATINUM DIAMMINODICHLORIDE,  
administration & dosage/ PLATINUM  
DIAMMINODICHLORIDE, therapeutic use/  
\*TESTICULAR NEOPLASMS, drug therapy/  
VINBLASTINE, administration & dosage/  
VINBLASTINE, therapeutic use
4336. Willoughby JO, Martin JB: Episodic GH secretion: evidence  
for a hypothalamic dopaminergic mechanism.  
*Curr Top Mol Endocrinol* 3:303-20, 1976  
AGE FACTORS/ ANIMAL/ BLINDNESS,  
physiopathology/ CIRCADIAN RHYTHM/  
CORTICOSTERONE, secretion/ DARKNESS/  
\*DOPAMINE, physiology/ HUMAN/  
\*HYPOTHALAMUS, physiology/  
HYPOTHALAMUS, surgery/ HYPOTHALAMUS,  
MEDIAL, physiology/ LIGHT/ MALE/ PITUITARY  
HORMONES, ANTERIOR, secretion/ RATS/  
\*SOMATOTROPIN, secretion/ SPECIES  
SPECIFICITY
4337. Wills K: Case study--hydatidiform mole. *NZ Nurs J* 71(9):25-7,  
Sep 78  
ADULT/ CASE REPORT/ FEMALE/ HUMAN/  
\*HYDATIDIFORM MOLE, nursing/ OBSTETRICAL  
NURSING/ PREGNANCY/ \*UTERINE  
NEOPLASMS, nursing
4338. Wilson PR, Tarttlin MF: Studies on sexual differentiation of  
sheep. I. Foetal and maternal modifications and post-natal  
plasma LH and testosterone content following  
androgenisation early in gestation.  
*Acta Endocrinol (Copenh)* 89(1):182-9, Sep 78  
ANIMAL/ FEMALE/ GESTATIONAL AGE/ \*LH,  
blood/ MALE/ MATERNAL-FETAL EXCHANGE/  
PREGNANCY/ RADIOIMMUNOASSAY/  
SEASONS/ \*SEX DIFFERENTIATION/ SEX  
DIFFERENTIATION, drug effects/ \*SHEEP/  
TESTOSTERONE, administration & dosage/  
\*TESTOSTERONE, blood/ TESTOSTERONE,  
pharmacodynamics
4339. Wilson PR, Tarttlin MF: Studies of sexual differentiation of  
sheep. II. Evidence for post-natal hypothalamic  
hypophysiotrophic depression of basal LH secretion  
following pre-natal androgenisation.  
*Acta Endocrinol (Copenh)* 89(1):190-5, Sep 78  
ANIMAL/ CASTRATION/ FEMALE/  
HYPOTHALAMO-HYPOPHYSEAL SYSTEM/  
\*HYPOTHALAMUS, physiology/ LH, blood/ \*LH,  
secretion/ MALE/ \*PITUITARY GLAND,  
ANTERIOR, secretion/ PITUITARY HORMONE  
RELEASING HORMONES, diagnostic use/  
PITUITARY HORMONE RELEASING  
HORMONES, pharmacodynamics/ PREGNANCY/  
\*SEX DIFFERENTIATION/ SEX  
DIFFERENTIATION, drug effects/ \*SHEEP/  
TESTOSTERONE, pharmacodynamics
4340. Wilson PW, Lawson DE: Incorporation of [3H]leucine into an  
actin-like protein in response to  
1,25-dihydroxycholecalciferol in chick intestinal brush  
borders. *Biochem J* 173(2):627-31, 1 Aug 78  
\*ACTIN, biosynthesis/ ANIMAL/ CHICKENS/  
\*DIHYDROXYCHOLECALCIFEROLS,  
pharmacodynamics/  
\*HYDROXYCHOLECALCIFEROLS,  
pharmacodynamics/ INTESTINAL MUCOSA, drug  
effects/ \*INTESTINAL MUCOSA, metabolism/  
ISOLELECTRIC FOCUSING/ LEUCINE, metabolism/  
VITAMIN D DEFICIENCY, metabolism
4341. Wilson SK, Moore GW, Hutchins GM: Congenital cystic  
adenomatoid malformation of the lung associated with



# AUTHOR SECTION

- abdominal musculature deficiency (prune belly). Pediatrics 62(3):421-3, Sep 78  
 \*ABDOMINAL WALL, abnormalities/ ABDOMINAL WALL, pathology/ \*ABNORMALITIES, MULTIPLE/ \*CARCINOMA, BRONCHIOLAR, congenital/ CARCINOMA, BRONCHIOLAR, pathology/ CASE REPORT/ HUMAN/ INFANT, NEWBORN/ \*LUNG NEOPLASMS, congenital/ LUNG NEOPLASMS, pathology/ \*LUNG, abnormalities/ MALE/ \*TESTIS, abnormalities/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4342. Winder WW, Hagberg JM, Hickson RC, et al: Time course of sympathoadrenal adaptation to endurance exercise training in man. J Appl Physiol 45(3):370-4, Sep 78  
 \*ADAPTATION, PHYSIOLOGICAL/ \*ADRENAL GLANDS, physiology/ ADULT/ EPINEPHRINE, blood/ \*EXERTION/ \*HEART RATE/ HUMAN/ MALE/ NOREPINEPHRINE, blood/ PHYSICAL EDUCATION AND TRAINING/ \*SYMPATHETIC NERVOUS SYSTEM, physiology/ TIME FACTORS
4343. Winegrad S, McClellan GB: Regulation of the calcium sensitivity of the contractile system of heart muscle by the sarcolemma. Ann NY Acad Sci 307:477-82, 28 Apr 78  
 ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ CALCIUM, pharmacodynamics/ \*CALCIUM, physiology/ CYTIDINE TRIPHOSPHATE, pharmacodynamics/ GUANOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ IN VITRO/ MUSCLE PROTEINS, physiology/ \*MYOCARDIAL CONTRACTION, MYOCARDIAL CONTRACTION, drug effects/ PHOSPHORYLATION/ SARCOLEMMA, drug effects/ \*SARCOLEMMA, physiology/ THEOPHYLLINE, pharmacodynamics/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4344. Winter RJ, Plotnick LP, Thompson RG: Chemical diabetes in childhood. Integrated concentrations of glucose, insulin, and growth hormone. Diabetes 27(9):909-15, Sep 78  
 ADOLESCENCE/ ADULT/ \*BLOOD SUGAR, metabolism/ CHILD/ \*DIABETES MELLITUS, JUVENILE, blood/ DIABETES MELLITUS, JUVENILE, drug therapy/ DIURNAL RHYTHM/ GLUCOSE TOLERANCE TEST/ HUMAN/ \*INSULIN, blood/ INSULIN, therapeutic use/ \*SOMATOTROPIN, blood/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4345. Winter S: [Suppression of lactation by estrogens] Harefuah 95(2):93-4, 16 Jul 78 (Heb)  
 \*ESTROGENS, pharmacodynamics/ FEMALE/ HUMAN/ \*LACTATION, drug effects/ PREGNANCY
4346. Winterbauer RH, Hammar SP, Hallman KO, et al: Diffuse interstitial pneumonitis. Clinicopathologic correlations in 20 patients treated with prednisone/azathioprine. Am J Med 65(4):661-72, Oct 78  
 ADULT/ AGED/ \*AZATHIOPRINE, administration & dosage/ DRUG THERAPY, COMBINATION/ FEMALE/ HUMAN/ LUNG, pathology/ MALE/ MIDDLE AGE/ \*PNEUMONIA, drug therapy/ \*PREDNISONE, administration & dosage/ PULMONARY FIBROSIS, diagnosis/ \*PULMONARY FIBROSIS, drug therapy/ PULMONARY FIBROSIS, pathology/ RESPIRATORY FUNCTION TESTS
4347. Wintour EM, Coghlan JP, Oddie CJ, et al: A sequential study of adrenocorticosteroid level in human pregnancy. Clin Exp Pharmacol Physiol 5(4):399-403, Jul-Aug 78  
 \*ADRENAL CORTEX HORMONES, blood/ FEMALE/ GESTATIONAL AGE/ HUMAN/ \*PREGNANCY
4348. Wirth W, Diekmann L, Klokenbusch S: Probleme des Lupus erythematodes disseminatus im Kindes- und Säuglingsalter. Verh Dtsch Ges Rheumatol 5:314-7, 1978 (Ger)  
 ARTHRITIS, RHEUMATOID, complications/ AZATHIOPRINE, therapeutic use/ CHILD/ CHILD, PRESCHOOL/ CHLOROQUINE, therapeutic use/ DERMATOMYOSITIS, complications/ FEMALE/ HUMAN/ INFANT/ KIDNEY FAILURE, CHRONIC, etiology/ \*LUPUS ERYTHEMATOSUS, SYSTEMIC/ LYMPHADENITIS, etiology/ MALE/ PREDNISONE, therapeutic use/ PROGNOSIS/ RHEUMATIC FEVER, complications/ SKIN
- MANIFESTATIONS
4349. Wishart GJ: Functional heterogeneity of UDP-glucuronosyltransferase as indicated by its differential development and inducibility by glucocorticoids. Demonstration of two groups within the enzyme's activity towards twelve substrates. Biochem J 174(2):485-9, 15 Aug 78  
 AMINOPHENOLS/ ANIMAL/ BILIRUBIN/ \*DEXAMETHASONE, pharmacodynamics/ ENZYME INDUCTION, drug effects/ IN VITRO/ LIVER, embryology/ \*LIVER, enzymology/ LIVER, growth & development/ RATS/ SUBSTRATE SPECIFICITY/ UDP GLUCURONOSYLTRANSFERASE, biosynthesis/ \*UDP GLUCURONOSYLTRANSFERASE, metabolism
4350. Witorsch RJ: Immunohistochemical studies of prolactin binding in sex accessory organs of the male rat. J Histochem Cytochem 26(7):565-80, Jul 78  
 ANIMAL/ BINDING SITES/ DOSE-RESPONSE RELATIONSHIP, IMMUNOLOGIC/ EPIDIDYMIS/ IMMUNOENZYME TECHNIQS/ IMMUNOLOGIC TECHNIQS/ MALE/ \*PROLACTIN/ \*PROSTATE/ PROSTATIC NEOPLASMS/ RATS/ \*SEMINAL VESICLES/ VAS DEFERENS
4351. Witt RM, Mazess RB: Photon absorptiometry of soft tissue and fluid content: the method and its precision and accuracy. Phys Med Biol 23(4):620-9, Jul 78  
 AMERICIUM/ \*BODY COMPOSITION/ BODY FLUIDS, analysis/ BONE AND BONES, analysis/ ELEMENTARY PARTICLES/ HUMAN/ IODINE RADIOISOTOPES/ METHODS/ UNITED STATES GOV'T SUPPORTED/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4352. Wittliff JL, Weidner N, Everson RB, et al: Interactions between estrogen receptors and certain steroidal alkylating agents [proceedings] Cancer Treat Rep 62(8):1262-6, Aug 78  
 \*ALKYLATING AGENTS, metabolism/ ALKYLATING AGENTS, pharmacodynamics/ ANIMAL/ \*ESTROGENS, SYNTHETIC, metabolism/ ESTROGENS, SYNTHETIC, pharmacodynamics/ FEMALE/ IN VITRO/ RATS/ RECEPTORS, ESTROGEN, drug effects/ \*RECEPTORS, ESTROGEN, metabolism
4353. Wittliff JL, Weidner N, Park DC, et al: Influence of steroidal alkylating agents on the growth and estrogen binding capacity of R3230AC mammary carcinoma of the rat [proceedings] Cancer Treat Rep 62(8):1260-2, Aug 78  
 \*ALKYLATING AGENTS, therapeutic use/ ANIMAL/ \*ESTROGENS, metabolism/ \*ESTROGENS, SYNTHETIC, therapeutic use/ FEMALE/ \*MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ MAMMARY NEOPLASMS, EXPERIMENTAL, metabolism/ RATS/ RATS, INBRED F344
4354. Wittliff JL, Savlov ED: Biochemical basis for the selection of hormonal manipulation in the patient with breast carcinoma. Int J Radiat Oncol Biol Phys 4(5-6):463-7, May-Jun 78  
 ADRENALECTOMY/ \*BREAST NEOPLASMS, metabolism/ BREAST NEOPLASMS, therapy/ CASTRATION/ FEMALE/ HUMAN/ METHODS/ NEOPLASM METASTASIS, metabolism/ \*NEOPLASMS, HORMONE-DEPENDENT, metabolism/ NEOPLASMS, HORMONE-DEPENDENT, therapy/ \*RECEPTORS, ESTROGEN/ RECEPTORS, ESTROGEN, analysis/ RECEPTORS, ESTROGEN, metabolism/ SEX HORMONES, therapeutic use/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4355. Wöckel W: Zur Pathologie der bösartigen Geschwülste des Säuglings- und Kindesalters. Dtsch Med Wochenschr 103(43):1707-10, 27 Oct 78 (Eng. Abstr.) (Ger)  
 ADOLESCENCE/ ADRENAL GLAND NEOPLASMS, occurrence/ ADRENAL MEDULLA/ AGE FACTORS/ AUTOPSY/ BIOPSY/ BONE NEOPLASMS, occurrence/ CENTRAL NERVOUS SYSTEM DISEASES, occurrence/ CHILD/ CHILD, PRESCHOOL/ ENGLISH ABSTRACT/ FEMALE/ GERMANY, EAST/ HUMAN/ INFANT/ KIDNEY NEOPLASMS, occurrence/ LEUKEMIA, occurrence/ LYMPHOMA, occurrence/ MALE/ \*NEOPLASMS, occurrence/ NERVOUS SYSTEM DISEASES, occurrence/ SARCOMA, occurrence/ SEX FACTORS/ SYMPATHETIC NERVOUS SYSTEM



## AUTHOR SECTION

4356. Woeber KA: L-triiodothyronine and L-reverse-triiodothyronine generation in the human polymorphonuclear leukocyte. *J Clin Invest* 62(3):577-84, Sep 78  
ADULT/ ANOXIA/ COMPARATIVE STUDY/ DITHIOTHREITOL, pharmacodynamics/ FETAL BLOOD, metabolism/ HUMAN/ IN VITRO/ INFANT, NEWBORN/ KINETICS/ METHIMAZOLE, pharmacodynamics/ NEUTROPHILS, drug effects/ \*NEUTROPHILS, metabolism/ PHAGOCYTOSIS/ PROPYLTHIOURACIL, pharmacodynamics/ SUBCELLULAR FRACTIONS, metabolism/ THYROXINE, metabolism/ \*TRIIODOTHYRONINE, biosynthesis/ \*TRIIODOTHYRONINE, REVERSE, biosynthesis/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4357. Wogsurawat N: T4 toxicosis in Graves' disease. *J Kans Med Soc* 79(10):567-8, Oct 78  
AGED/ CASE REPORT/ \*GOITER, EXOPHTHALMIC, blood/ GOITER, EXOPHTHALMIC, complications/ HUMAN/ MALE/ \*THYROXINE, blood
4358. Wohlhueter RM, Marz R, Plagemann PG: Properties of the thymidine transport system of Chinese hamster ovary cells as probed by nitrobenzylthioinosine. *J Membr Biol* 42(3):247-64, 19 Sep 78  
BIOLOGICAL TRANSPORT, ACTIVE, drug effects/ HELA CELLS/ HEPATOMA, EXPERIMENTAL, metabolism/ HYPOXANTHINES, metabolism/ \*INOSINE, analogs & derivatives/ KINETICS/ L CELLS/ LEUKEMIA, EXPERIMENTAL, metabolism/ OVARY, metabolism/ \*THIOINOSINE, analogs & derivatives/ THIOINOSINE, pharmacodynamics/ \*THYMIDINE, metabolism/ THYMIDINE, pharmacodynamics/ THYMINE, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4359. Wójtowicz M, Korman E, Bruszyński M, et al: Wole guzowate u dzieci. Ocena czynnościowo-strukturalna tarczycy po częściowej strumektomii. *Endokrynol Pol* 29(4):297-304, Jul-Aug 78 (Eng. Abstr.) (Pol)  
ADOLESCENCE/ CHILD/ ENGLISH ABSTRACT/ GOITER, NODULAR, physiopathology/ HUMAN/ THYROID GLAND, pathology/ THYROID GLAND, physiopathology/ \*THYROID GLAND, radionuclide imaging/ THYROID NEOPLASMS, physiopathology/ \*THYROID NEOPLASMS, surgery/ \*THYROIDECTOMY/ THYROIDECTOMY, methods
4360. Wolberg G, Zimmerman TP, Duncan GS, et al: Inhibition of lymphocyte-mediated cytolysis by adenosine analogs. Biochemical studies concerning mechanism of action. *Biochem Pharmacol* 27(10):1487-95, 15 May 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ \*ADENOSINE, analogs & derivatives/ ADENOSINE, pharmacodynamics/ CELLS, CULTURED/ \*CYTOTOXICITY, IMMUNOLOGIC, drug effects/ \*LYMPHOCYTES, drug effects/ LYMPHOCYTES, metabolism/ MICE/ MICE, INBRED C57BL/ RIBONUCLEOTIDES, metabolism
4361. Wolff ME, Baxter JD, Kollman PA, et al: Nature of steroid-glucocorticoid receptor interactions: thermodynamic analysis of the binding reaction. *Biochemistry* 17(16):3201-8, 8 Aug 78  
CELL LINE/ CYTOSOL, metabolism/ GLUCOCORTICOIDS, SYNTHETIC, metabolism/ HEPATOMA, EXPERIMENTAL/ KINETICS/ \*RECEPTORS, GLUCOCORTICOID/ RECEPTORS, GLUCOCORTICOID, metabolism/ \*RECEPTORS, STEROID/ RECEPTORS, STEROID, metabolism/ \*STERIODS/ STEROIDS, metabolism/ THERMODYNAMICS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4362. Wolpowitz A, Barnard CN: Impotence after heart transplantation [letter] *S Afr Med J* 53(18):693, 6 May 78  
DRUG COMBINATIONS/ EPHEDRINE, therapeutic use/ HEART, transplantation/ HUMAN/ \*IMPOTENCE, drug therapy/ MALE/ \*POSTOPERATIVE COMPLICATIONS/ STRYCHNINE, analogs & derivatives/ STRYCHNINE, therapeutic use/ TESTOSTERONE, therapeutic use/ VITAMIN E, therapeutic use/ YOHIMBINE, therapeutic use
4363. Wong HB, Chay SO, Woon F, et al: Anthropometric studies on Singapore children: III: Pubertal studies on Singapore children. *J Singapore Paediatr Soc* 19(4):217-32, Dec 77  
\*ANTHROPOMETRY/ \*BREAST, growth & development/ CHILD/ CHINA, ethnology/ FEMALE/ HUMAN/ INDIA, ethnology/ MALE/ MENARCHE/ \*MONGOLOID RACE/ PAKISTAN, ethnology/ \*PUBERTY/ SINGAPORE/ \*TESTIS, growth & development
4364. Wong PY, McGiff JC, Sun FF, et al: Pulmonary metabolism of prostacyclin (PGI<sub>2</sub>) in the rabbit. *Biochem Biophys Res Commun* 83(2):731-8, 28 Jul 78  
ANIMAL/ CYTOSOL, metabolism/ HYDROXYPROSTAGLANDIN DEHYDROGENASES, metabolism/ \*LUNG, metabolism/ MALE/ NAD/ NADP/ PERFUSION/ \*PROSTAGLANDINS X, metabolism/ \*PROSTAGLANDINS, metabolism/ RABBITS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4365. Wong R, Jones W: Effects of Aldactazide and DOCA injections on saline preference in Gerbils (*Meriones unguiculatus*). *Behav Biol* 23(4):460-8, Aug 78  
ANIMAL/ \*CHOICE BEHAVIOR, drug effects/ \*DESOXYCORTICOSTERONE, pharmacodynamics/ \*DRINKING, drug effects/ DRUG COMBINATIONS/ GERBILS/ \*HYDROCHLOROTHIAZIDE, pharmacodynamics/ MALE/ SALINE SOLUTION, HYPERTONIC/ \*SPIRONOLACTONE, pharmacodynamics
4366. Wong SC, Yeung YG, Yeung D: Effects of morphine on isoenzymes of pyruvate kinase and tyrosine aminotransferase in rat. *Biochem Pharmacol* 27(9):1347-51, 1 May 78  
ANIMAL/ EPINEPHRINE, pharmacodynamics/ HYDROCORTISONE, pharmacodynamics/ IN VITRO/ \*ISOENZYMES, metabolism/ LIVER, drug effects/ LIVER, enzymology/ MALE/ \*MORPHINE, pharmacodynamics/ \*PYRUVATE KINASE, metabolism/ RATS/ TIME FACTORS/ \*TYROSINE AMINOTRANSFERASE, metabolism
4367. Wood HN, Pomerantz AH, Binns AN, et al: Inhibition of mammalian protein kinase and phosphodiesterase activities by a cyclic AMP-like compound isolated from higher plants. *Proc Natl Acad Sci USA* 75(9):4301-5, Sep 78  
\*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, analogs & derivatives/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, isolation & purification/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATASE, antagonists & inhibitors/ ADENOSINE TRIPHOSPHATE, metabolism/ ANIMAL/ CATTLE/ DOSE-RESPONSE RELATIONSHIP, DRUG/ KINETICS/ MACROMOLECULAR SYSTEMS/ MYOCARDIUM, enzymology/ \*PHOSPHODIESTERASE INHIBITORS, isolation & purification/ \*PLANTS, enzymology/ \*PROTEIN KINASE, antagonists & inhibitors/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4368. Woodliff HJ, Swann S: Cytogenetic studies in Papua New Guinea [letter] *Papua New Guinea Med J* 21(2):216, Jun 78  
FEMALE/ HUMAN/ INFANT/ INFANT, NEWBORN/ KARYOTYPING/ KLINEFELTER'S SYNDROME, occurrence/ MALE/ NEGROID RACE/ NEW GUINEA/ \*SEX CHROMOSOME ABNORMALITIES, occurrence/ TURNER'S SYNDROME, occurrence
4369. Woodruff GN: Biochemical and pharmacological studies on dopamine receptors. *Adv Biochem Psychopharmacol* 19:89-118, 1978 (110 ref.)  
ADENYL CYCLASE, metabolism/ ANGIOTENSIN II, pharmacodynamics/ ANIMAL/ APOMORPHINE, pharmacodynamics/ BRAIN, drug effects/ COCKROACHES/ DOPAMINE, pharmacodynamics/ DRINKING BEHAVIOR, drug effects/ ELECTROPHYSIOLOGY/ ERGONOVINE, pharmacodynamics/ HELIX (SNAILS)/ IN VITRO/ IONTOPHORESIS/ MOLECULAR CONFORMATION/ MOTOR ACTIVITY, drug effects/ NEURONS, drug effects/ PHENETHYLAMINES, pharmacodynamics/ \*RECEPTORS, DOPAMINE, drug effects/ RECEPTORS, DOPAMINE, metabolism/ REVIEW/ SALIVARY GLANDS, drug effects/ SALSOLINE



# AUTHOR SECTION

- ALKALOIDS, diagnostic use/  
TETRAHYDRONAPHTHALENES, diagnostic use/  
VASODILATION, drug effects
4370. Woodruff RK, Malpas JS, Paxton AM, et al: Plasma cell leukemia (PCL): A report on 15 patients. *Blood* 52(4):839-45, Oct 78  
ADRENAL CORTEX HORMONES, therapeutic use/  
ADULT/ AGED/ CASE REPORT/  
CYCLOPHOSPHAMIDE, therapeutic use/ FEMALE/  
HUMAN/ \*LEUKEMIA, PLASMACYTIC, diagnosis/  
LEUKEMIA, PLASMACYTIC, drug therapy/  
LEUKEMIA, PLASMACYTIC, pathology/ MALE/  
MELPHALAN, therapeutic use/ MIDDLE AGE
4371. Woodson PB, Schlapfer WT, Barondes SH: Amplitude and rate of decay of post-tetanic potentiation are controlled by different mechanisms. *Brain Res* 157(1):33-46, 17 Nov 78  
ACTION POTENTIALS, drug effects/ ANIMAL/  
APLYSIA/ CALCIUM, metabolism/ CHLORIDES,  
pharmacodynamics/ CURARE, pharmacodynamics/  
\*ELECTRIC STIMULATION, methods/ EVOKED  
POTENTIALS, drug effects/ GANGLIA, drug effects/  
\*GANGLIA, physiology/ \*NEURAL  
TRANSMISSION/ NEURAL TRANSMISSION, drug  
effects/ NEUROHUMORS, secretion/ POTASSIUM,  
metabolism/ SYNAPSES, drug effects/ \*SYNAPSES,  
physiology/ TETRAETHYLAMMONIUM  
COMPOUNDS, pharmacodynamics/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.
4372. Workman C, Porch P, Rhamy RK: The congenitally dilated prostatic utricle. *J Urol* 120(4):508-10, Oct 78  
\*ABNORMALITIES, MULTIPLE/ CASE REPORT/  
\*CRYPTORCHISM, complications/ DILATATION,  
PATHOLOGIC/ HUMAN/ \*HYPOSPADIAS,  
complications/ INFANT/ \*INGUINAL HERNIA,  
complications/ MALE/ MULLERIAN DUCTS/  
PROSTATE, embryology/ \*PROSTATE, pathology/  
RECURRENCE/ \*URINARY TRACT  
INFECTIONS, complications/ WOLFFIAN DUCT
4373. Wörner O: Schilddrüsenhormone bei Symphysestörungen in der Schwangerschaft. *Dtsch Med Wochenschr* 103(43):1716, 27 Oct 78 (Ger)  
FEMALE/ HUMAN/ \*PREGNANCY  
COMPLICATIONS, drug therapy/ PREGNANCY/  
\*PUBIC SYMPHYSIS/ \*THYROXINE, therapeutic use
4374. Wortberg B, Woller R, Chulamorakot T: Detection of estrogen-like compounds by thin-layer chromatography. *J Chromatogr* 156(1):205-10, 21 Aug 78  
CHROMATOGRAPHY, THIN LAYER/  
DIAZONIUM COMPOUNDS/ ESTRADIOL,  
analysis/ ESTRADIOL, analysis/ \*ESTROGENS, analysis/  
\*ESTROGENS, SYNTHETIC, analysis/ ESTRONE,  
analysis/ MEAT, analysis/ METHODS/ ZERANOL,  
analysis
4375. Wotiz HH, Chatteraj SC, Kudisch M, et al: Impeding estrogens and the etiology of breast cancer. *Cancer Res* 38(11 Pt 2):4012-20, Nov 78 (43 ref.)  
ANIMAL/ ANTIBODIES, administration & dosage/  
ESTRADIOL ANTAGONISTS/ ESTRADIOL,  
immunology/ ESTRADIOL, pharmacodynamics/  
ESTRIOL, analogs & derivatives/ \*ESTRIOL,  
pharmacodynamics/ \*ESTROGENS, SYNTHETIC,  
pharmacodynamics/ FEMALE/ HUMAN/  
HYDROXYESTRONES, pharmacodynamics/  
\*MAMMARY NEOPLASMS, EXPERIMENTAL,  
etiology/ NIDATION, drug effects/ ORGAN  
WEIGHT, drug effects/ PREGNANCY/ RABBITS/  
RATS/ RECEPTORS, PROGESTERONE,  
biosynthesis/ RECEPTORS, PROGESTERONE, drug  
effects/ REVIEW/ UNITED STATES GOV'T  
SUPPORTED, P.H.S./ UTERUS, drug effects/  
9,10-DIMETHYL-1,2-BENZANTHRACENE
4376. Woźniak-Parnowska W, Najer A: Studies on the sterilization of pharmaceutical base materials with ionizing radiation and ethylene oxide. *Acta Microbiol Pol* 27(2):161-8, 1978  
ANIMAL/ \*BIOLOGICAL PRODUCTS/ \*DRUG  
CONTAMINATION, prevention & control/  
ETHYLENE OXIDE, administration & dosage/  
\*ETHYLENE OXIDE, pharmacodynamics/  
INTRINSIC FACTOR, radiation effects/ LIVER  
EXTRACTS, radiation effects/ PANCREATIC  
EXTRACTS, radiation effects/ \*PHARMACEUTIC  
AIDS/ RADIATION DOSAGE/ \*RADIATION  
EFFECTS/ RADIATION, IONIZING/  
\*STERILIZATION, methods/ THYROID GLAND,
- DESICCATED, radiation effects/ \*TISSUE  
EXTRACTS
4377. Wright J: Endocrine effects of alcohol. *Clin Endocrinol Metab* 7(2):351-67, Jul 78  
ADRENAL CORTEX, drug effects/ ADRENAL  
CORTEX, physiology/ ALCOHOL, ETHYL,  
diagnostic use/ \*ALCOHOL, ETHYL,  
pharmacodynamics/ ANIMAL/ \*HORMONES,  
physiology/ HUMAN/  
HYPOTHALAMO-HYPOPHYSEAL SYSTEM, drug  
effects/ HYPOTHALAMO-HYPOPHYSEAL  
SYSTEM, physiology/ LIVER CIRRHOSIS,  
ALCOHOLIC, physiopathology/ MALE/  
PITUITARY-ADRENAL SYSTEM, drug effects/  
PITUITARY-ADRENAL SYSTEM, physiology/  
PROLACTIN, blood/ SOMATOTROPIN, blood/  
TESTIS, physiopathology/ TESTOSTERONE, blood
4378. Wright NH, Vessey MP, Kenward B, et al: Neoplasia and dysplasia of the cervix uteri and contraception: a possible protective effect of the diaphragm. *Br J Cancer* 38(2):273-9, Aug 78  
ADULT/ AGE FACTORS/ CERVIX DYSPLASIA  
occurrence/ CERVIX DYSPLASIA, prevention &  
control/ CERVIX NEOPLASMS, occurrence/  
\*CERVIX NEOPLASMS, prevention & control/  
\*CONTRACEPTIVE DEVICES, FEMALE/  
CONTRACEPTIVES, ORAL/ FEMALE/ GREAT  
BRITAIN/ HUMAN/ INTRAUTERINE DEVICES  
RISK/ SEX BEHAVIOR/ SMOKING, complications,  
SOCIAL CLASS
4379. Wu C: Estrogen induction of ornithine aminotransferase in rat kidney slices. *Biochem Biophys Res Commun* 82(3):782-6, 14 Jun 78  
\*AMINOTRANSFERASES, biosynthesis/ ANIMAL/  
CASTRATION/ COMPARATIVE STUDY/  
ENZYME INDUCTION, drug effects/ \*ESTRADIOL,  
pharmacodynamics/ ESTROGEN ANTAGONISTS,  
pharmacodynamics/ FEMALE/ HEXESTROL,  
pharmacodynamics/ \*KIDNEY, enzymology/  
LEUCINE, metabolism/ \*ORNITHINE  
AMINOTRANSFERASE, biosynthesis/ RATS
4380. Wu JT, Chang MC: Increase in concanavalin A binding sites in mouse blastocysts during implantation. *J Exp Zool* 205(3):447-53, Sep 78  
ANIMAL/ BLASTOCYST, drug effects/  
\*BLASTOCYST, metabolism/ CASTRATION/  
\*CONCAVALIN A, metabolism/ \*ESTRADIOL,  
pharmacodynamics/ FEMALE/ MICE/ \*NIDATION,  
PREGNANCY/ PROGESTERONE,  
pharmacodynamics/ \*RECEPTORS,  
CONCAVALIN A, metabolism/ \*RECEPTORS,  
DRUG, metabolism/ UNITED STATES GOV'T  
SUPPORTED/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.
4381. Wurm K: Löfgre-Syndrom. *Dtsch Med Wochenschr* 103(38):1472, 22 Sep 78 (Ger)  
ADRENAL CORTEX HORMONES, therapeutic use/  
ADULT/ \*ERYTHEMA NODOSUM, drug therapy/  
HUMAN/ \*LUNG NEOPLASMS, drug therapy/  
\*LYMPHOMA, drug therapy/ MALE/  
\*SARCOIDOSIS, drug therapy/ SYNDROME
4382. Wutke K, Müller E, Dittrich P: Zur Koinzidenz von Lupus erythematoses visceralis und Epilepsie. *Z Gesamte Inn Med* 33(18):670-3, 15 Sep 78 (Eng. Abstr.) (Ger)  
ADOLESCENCE/ CARBAMAZEPINE, therapeutic  
use/ CASE REPORT/ ENGLISH ABSTRACT/  
\*EPILEPSY, GRAND MAL, complications/  
HUMAN/ \*LUPUS ERYTHEMATOSUS,  
SYSTEMIC, complications/ MALE/ PHENYTOIN,  
therapeutic use/ PREDNISOLONE, therapeutic use/  
PRIMIDONE, therapeutic use/ SULTHIAME,  
therapeutic use
4383. Wuttke W, Hancke JL, Höhn KG, et al: Effect of intraventricular injection of 5,7-dihydroxytryptamine on serum gonadotropins and prolactin. *Ann NY Acad Sci* 305:423-36, 12 Jun 78  
ANIMAL/ BIOGENIC AMINES, metabolism/  
CASTRATION/ \*DIHYDROXYTRYPTAMINES,  
pharmacodynamics/ ESTRUS, drug effects/ FEMALE/  
\*GONADOTROPINS, blood/ INJECTIONS,  
INTRAVENTRICULAR/ MALE/ \*PROLACTIN,  
blood/ RATS/ 5,7-DIHYDROXYTRYPTAMINE,  
administration & dosage/



# AUTHOR SECTION

\*5,7-DIHYDROXYTRYPTAMINE,  
pharmacodynamics

4384. Wynder EL: Nutritional carcinogenesis. *Ann NY Acad Sci* 300:360-78, 30 Nov 77  
ADOLESCENCE/ ADULT/ ANIMAL/ BREAST  
NEOPLASMS, blood/ \*BREAST NEOPLASMS,  
etiology/ CHILD, PRESCHOOL/ CHOLESTEROL,  
DIETARY, adverse effects/ \*COLONIC  
NEOPLASMS, etiology/ \*DIET, adverse effects/  
ESTROGENS, blood/ FEMALE/ FOOD  
ADDITIVES, adverse effects/ FOOD HABITS/  
HUMAN/ INFANT/ MALE/ MIDDLE AGE/  
PROLACTIN, blood/ RATS/ \*STOMACH  
NEOPLASMS, etiology/ VITAMIN A DEFICIENCY,  
complications

## Y

4385. Yahuta K: [Congenital nephrogenic diabetes insipidus]  
*Nippon Rinsho Suppl*:1434-5, May 78 (Jpn)  
\*DIABETES INSIPIDUS, congenital/ DIABETES  
INSIPIDUS, diagnosis/ FEMALE/ HUMAN/  
INFANT/ INFANT, NEWBORN/ \*KIDNEY  
DISEASES, congenital/ MALE

4386. Yagen B, Gallili GE, Mateles RI: Progesterone  
biotransformation by plant cell suspension cultures.  
*Appl Environ Microbiol* 36(2):213-6, Aug 78  
CHEMISTRY/ HYDROXYLATION/ \*PLANTS,  
metabolism/ \*PREGNENES, biosynthesis/  
\*PROGESTERONE, metabolism/ TISSUE CULTURE

4387. Yahr P, Gerling SA: Aromatization and androgen stimulation  
of sexual behavior in male and female rats. *Horm Behav*  
10(2):128-42, Apr 78  
ADRENAL GLANDS, drug effects/ ANIMAL/  
BODY WEIGHT, drug effects/ CASTRATION/  
ESTROGEN ANTAGONISTS/ ESTROGENS,  
metabolism/ FEMALE/ MALE/ NANDROLONE,  
analogs & derivatives/ NANDROLONE,  
pharmacodynamics/ NITROMIFENE,  
pharmacodynamics/ ORGAN WEIGHT, drug effects/  
RATS/ SEMINAL VESICLES, drug effects/ \*SEX  
BEHAVIOR, ANIMAL, drug effects/ SEX  
FACTORS/ \*TESTOSTERONE, analogs &  
derivatives/ TESTOSTERONE, antagonists &  
inhibitors/ TESTOSTERONE, metabolism/  
TESTOSTERONE, pharmacodynamics/ UNITED  
STATES GOV'T SUPPORTED

4388. Yamada A, Kaneko H, Akasaka K, et al: Detecting  
conformational heterogeneity in the DNA backbone by 31P  
nuclear magnetic resonance. *FEBS Lett* 93(1):16-8, 1 Sep  
78  
APURINIC ACID/ \*DNA/ NUCLEAR MAGNETIC  
RESONANCE, methods/ NUCLEIC ACID  
CONFORMATION/ PHOSPHORUS/ SALMON/  
TESTIS

4389. Yamada R: [Adrenal medulla--catecholamine in urine and  
chromogranin in plasma (author's transl)] *Rinsho Byori*  
26(6):483-6, Jun 78 (Jpn)  
ADRENAL GLAND NEOPLASMS, diagnosis/  
\*ADRENAL MEDULLA, physiology/  
\*CATECHOLAMINES, urine/  
\*CHROMOGRANINS, blood/ HUMAN/ \*NERVE  
TISSUE PROTEINS, blood/  
PHEOCHROMOCYTOMA, diagnosis

4390. Yamada T: [Basedow's disease--etiology] *Nippon Rinsho*  
*Suppl*:1556-7, May 78 (Jpn)  
\*GOITER, EXOPHTHALMIC, etiology/ HUMAN

4391. Yamada Y, Ito M, Iwasaki Y, et al: [Thyroid somatostatin]  
*Horumon To Rinsho* 26(6):568-70, Jun 78 (Jpn)  
ANIMAL/ RADIOIMMUNOASSAY/ RATS/  
\*SOMATOTROPIN RELEASE INHIBITING  
HORMONE, analysis/ \*THYROID GLAND, analysis

4392. Yamada Y, Ito S, Miyashita M, et al: Clinical studies of 'big  
ACTH': its physico-chemical characteristics.  
*Acta Endocrinol (Copenh)* 89(2):221-31, Oct 78  
\*ADDISON'S DISEASE, blood/ ANIMAL/  
CHROMATOGRAPHY, GEL/ \*CORTICOTROPIN,  
analysis/ CORTICOTROPIN, blood/  
CORTICOTROPIN, isolation & purification/  
\*CUSHING'S SYNDROME, blood/  
ELECTROPHORESIS, DISC/ HUMAN/  
ISOELECTRIC FOCUSING/ MOLECULAR

WEIGHT/ PITUITARY GLAND, analysis/  
RADIOIMMUNOASSAY/ SWINE

4393. Yamaguchi M, Yamamoto T: Stimulatory effect of calcitonin  
on calcium excretion into bile of thyroparathyroidectomized  
rats. *Chem Pharm Bull (Tokyo)* 26(7):1981-4, Jul 78  
ANIMAL/ \*BILE, metabolism/ \*CALCITONIN,  
pharmacodynamics/ \*CALCIUM, metabolism/  
\*PARATHYROID GLANDS, physiology/ RATS/  
\*THYROID GLAND, physiology/  
THYROIDECTOMY

4394. Yamaguchi M, Yamamoto T: Purification of calcium binding  
substance from soluble fraction of normal rat liver.  
*Chem Pharm Bull (Tokyo)* 26(6):1915-8, Jun 78  
ANIMAL/ \*CALCIUM, metabolism/ \*CARRIER  
PROTEINS, isolation & purification/ \*LIVER,  
metabolism/ MALE/ RATS

4395. Yamaguchi M, Yamamoto T: Effect of tin on calcium content  
in the bile of rats. *Toxicol Appl Pharmacol* 45(2):611-6, Aug  
78  
ANIMAL/ BILE, drug effects/ \*BILE, metabolism/  
CALCIUM, metabolism/ LIVER, drug effects/ LIVER,  
metabolism/ MALE/ PARATHYROID GLANDS,  
physiology/ RATS/ THYROIDECTOMY/ TIME  
FACTORS/ \*TIN, pharmacodynamics

4396. Yamamoto I, Miki N, Kondo S, et al: Effect of sodium ion  
on levels of cyclic adenosine 3',5'-monophosphate in guinea  
pig cerebral slices. *Jpn J Pharmacol* 28(3):375-81, Jun 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
biosynthesis/ \*ADENOSINE  
CYCLIC-3',5'-MONOPHOSPHATE, metabolism/  
ANIMAL/ \*BRAIN, metabolism/ GUINEA PIGS/ IN  
VITRO/ POTASSIUM, pharmacodynamics/  
\*SODIUM, pharmacodynamics/ TETRODOTOXIN,  
pharmacodynamics/ TIME FACTORS

4397. Yamamoto S, Akera T, Brody TM:  
Prednisolone-3,20-bisguanyldiazide: binding in vitro to  
sodium-and-potassium-activated adenosine triphosphatase of  
guinea pig heart ventricular muscle. *Eur J Pharmacol*  
51(1):63-9, 1 Sep 78  
\*ADENOSINE TRIPHOSPHATASE, SODIUM,  
POTASSIUM, metabolism/ ANIMAL/ FEMALE/  
GUINEA PIGS/ IN VITRO/ MALE/  
\*MYOCARDIUM, enzymology/ OUABAIN,  
pharmacodynamics/ \*PREDNISOLONE, analogs &  
derivatives/ PREDNISOLONE, metabolism/  
PROTEIN BINDING/ TIME FACTORS/ UNITED  
STATES GOV'T SUPPORTED, P.H.S.

4398. Yamamoto S: Prednisolone-3,20-bisguanyldiazide: the mode  
of interaction with rat brain sodium and potassium-activated  
adenosine triphosphatase. *Eur J Pharmacol* 50(4):409-18, 15  
Aug 78  
ADENOSINE TRIPHOSPHATASE, SODIUM,  
POTASSIUM, antagonists & inhibitors/ \*ADENOSINE  
TRIPHOSPHATASE, SODIUM, POTASSIUM,  
metabolism/ ANIMAL/ BRAIN, drug effects/  
\*BRAIN, enzymology/ DRUG INTERACTIONS/  
FEMALE/ MALE/ OUABAIN, metabolism/  
OUABAIN, pharmacodynamics/ POTASSIUM,  
pharmacodynamics/ \*PREDNISOLONE, analogs &  
derivatives/ PREDNISOLONE, pharmacodynamics/  
RATS/ TIME FACTORS/ UNITED STATES GOV'T  
SUPPORTED, P.H.S.

4399. Yamana K: [Lyonization of X chromosome]  
*Tanpakushitsu Kakusan Koso* 23(8):920-3, Jul 78 (Jpn)  
ANIMAL/ CELL DIFFERENTIATION/ FEMALE/  
HUMAN/ MALE/ MICE/ \*SEX CHROMOSOMES/  
SEX CHROMOSOMES, ultrastructure/ \*X  
CHROMOSOME/ X CHROMOSOME, ultrastructure

4400. Yamanaka H, Yuasa H, Koya J, et al: [Effects of various drugs  
on the formation of a complex of prostatic cytosol receptor  
protein and dihydrotestosterone] *Horumon To Rinsho*  
26(1):89-92, Jan 78 (Jpn)  
\*ANDROGEN ANTAGONISTS, pharmacodynamics/  
ANIMAL/ \*CYTOSOL, analysis/ MALE/  
\*PROSTATE, analysis/ RATS/ \*RECEPTORS,  
ANDROGEN, analysis/ \*RECEPTORS, STEROID,  
analysis/ \*STANOLONE, metabolism

4401. Yamashita K: [Hormone receptors and their action mechanism  
(peptide hormones and catecholamines)] *Nippon Rinsho*  
*Suppl*:1504-5, May 78 (Jpn)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
physiology/ ADENYL CYCLASE, metabolism/

## AUTHOR SECTION

- \*CATECHOLAMINES, metabolism/ HUMAN/  
\*RECEPTORS, HORMONE, metabolism
4402. Yamashita K, Mieno M, Shimizu T, et al: Action of prostaglandin E2 on the release of catecholamines from the canine adrenal gland and its interaction with acetylcholine. *J Endocrinol* 78(2):249-54, Aug 78  
\*ACETYLCHOLINE, pharmacodynamics/  
ADRENAL GLANDS, drug effects/ \*ADRENAL GLANDS, secretion/ ANIMAL/ DOGS/ DRUG INTERACTIONS/ \*EPINEPHRINE, secretion/ FEMALE/ MALE/ \*NOREPINEPHRINE, secretion/ \*PROSTAGLANDINS E, pharmacodynamics/ SECRETORY RATE, drug effects
4403. Yamauchi K, Sbinohara K, Matsumoto N, et al: [Refractory idiopathic thrombocytopenic purpura (author's transl)] *Rinsho Ketsueki* 19(3):199-206, Mar 78 (Eng. Abstr.) (Jpn)  
ADULT/ AZATHIOPRINE, therapeutic use/ CASE REPORT/ ENGLISH ABSTRACT/ HUMAN/ MALE/ MIDDLE AGE/ PREDNISOLONE, therapeutic use/ \*PURPURA, THROMBOCYTOPENIC, therapy/ SPLENECTOMY
4404. Yamauchi T, Fujisawa H: A simple and sensitive fluorometric assay for tyrosine hydroxylase. *Anal Biochem* 89(1):143-50, 15 Aug 78  
ADRENAL MEDULLA, enzymology/ ANIMAL/ CATTLE/ COMPARATIVE STUDY/ DOPA, metabolism/ SPECTROMETRY, FLUORESCENCE, methods/ \*TYROSINE HYDROXYLASE, analysis
4405. Yanagishita M, Rodbard D: Computerized optimization of radioimmunoassays for hCG and estradiol: an experimental evaluation. *Anal Biochem* 88(1):1-19, 15 Jul 78  
COMPUTERS/ DOSE-RESPONSE RELATIONSHIP, IMMUNOLOGIC/ \*ESTRADIOL, analysis/ \*GONADOTROPINS, CHORIONIC, analysis/ RADIOIMMUNOASSAY, methods
4406. Yang WC, Lacuara J: The effect of oligomycin on the functional properties of rabbit heart mitochondria. *Proc West Pharmacol Soc* 21:123-30, 1978  
ADENOSINE DIPHOSPHATE, pharmacodynamics/ ADENOSINE TRIPHOSPHATE, pharmacodynamics/ ANIMAL/ CALCIUM, metabolism/ IN VITRO/ MAGNESIUM, pharmacodynamics/ \*MITOCHONDRIA, HEART, drug effects/ MITOCHONDRIA, HEART, metabolism/ \*OLIGOMYCIN, pharmacodynamics/ OXYGEN CONSUMPTION, drug effects/ RABBITS
4407. Yap PL, Davidson NM, Lidgard GP, et al: Bromocriptine suppression of the thyrotrophin response to thyrotrophin releasing hormone. *Clin Endocrinol (Oxf)* 9(2):179-83, Aug 78  
ADULT/ HUMAN/ MALE/ \*THYROTROPIN RELEASING HORMONE, pharmacodynamics/ \*THYROTROPIN, blood/ \*2-BROMOERGOCRYPTINE, pharmacodynamics
4408. Yasujima M, Abe K, Chiba S, et al: Implication of renal prostaglandin E in urinary sodium excretion. *Jpn Circ J* 42(5):565-9, May 78  
ADOLESCENCE/ ADULT/ AGED/ ALDOSTERONE, urine/ FEMALE/ HUMAN/ HYPERTENSION, urine/ KIDNEY, metabolism/ \*KIDNEY, physiology/ MALE/ MIDDLE AGE/ PROSTAGLANDINS E, biosynthesis/ \*PROSTAGLANDINS E, physiology/ PROSTAGLANDINS E, urine/ RENIN, blood/ \*SODIUM, urine
4409. Yasumura S, Ellis KJ, Fairchild E, et al: Effect of graded doses of cortisol on total body calcium in rats. *Am J Physiol* 231(6):1760-3, Dec 76  
ADRENAL GLANDS, physiology/ ANIMAL/ \*BONE AND BONES, metabolism/ \*CALCIUM, metabolism/ DOSE-RESPONSE RELATIONSHIP, DRUG/ \*HYDROCORTISONE, pharmacodynamics/ MAGNESIUM, metabolism/ MALE/ NEUTRON ACTIVATION ANALYSIS/ PHOSPHORUS, metabolism/ RATS/ UNITED STATES GOV'T SUPPORTED
4410. Yates DW: A comparison of the types of epidural injection commonly used in the treatment of low back pain and sciatica. *Rheumatol Rehabil* 17(3):181-6, Aug 78  
\*BACKACHE, drug therapy/ COMPARATIVE STUDY/ DURA MATER/ HUMAN/ INJECTIONS/ \*LIDOCAINE, administration & dosage/
- LIDOCAINE, therapeutic use/ \*SCIATICA, drug therapy/ \*SODIUM CHLORIDE, administration dosage/ SODIUM CHLORIDE, therapeutic use/ \*TRIAMCINOLONE ACETONIDE, administration dosage/ TRIAMCINOLONE ACETONIDE, therapeutic use
4411. Yates J, King RJ: Multiple sensitivities of mammary tu cells in culture. *Cancer Res* 38(11 Pt 2):4135-7, Nov 78  
CELL DIVISION, drug effects/ CELL LINE/ CELL NUMBER/ CULTURE MEDIA/ \*DEXAMETHASONE, pharmacodynamics/ DRUG RESISTANCE/ \*MAMMARY NEOPLASMS, EXPERIMENTAL, drug therapy/ \*NEOPLASMS, HORMONE-DEPENDENT, drug therapy/ STANOLONE, pharmacodynamics/ TESTOSTERONE, administration & dosage/ \*TESTOSTERONE, pharmacodynamics
4412. Yeh RP, Chan FK, Coukell MB: Independent regulation of extracellular cyclic AMP phosphodiesterase-inhibitor system and membrane differentiation by exogenous cyclic AMP. *Dictyostelium discoideum*. *Dev Biol* 66(2):361-74, Oct 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ \*ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ BINDING SITES, drug effects/ CELL MEMBRANE, drug effects/ \*DICTYOSTELIUM, drug effects/ DICTYOSTELIUM, growth & development/ DICTYOSTELIUM, metabolism/ MORPHOGENESIS/ MUTATION/ \*PHOSPHODIESTERASE INHIBITORS, metabolism/ \*3',5'-CYCLIC AMP PHOSPHODIESTERASE, biosynthesis
4413. Yingst DR, Hoffman JF: Changes of intracellular Ca<sup>2+</sup> measured by arsenazo III in relation to the K permeability of human erythrocyte ghosts. *Biophys J* 23(3):463-71, 1978  
AZO COMPOUNDS/ \*CALCIUM, metabolism/ \*CELL MEMBRANE PERMEABILITY/ DYES/ \*ERYTHROCYTE MEMBRANE, metabolism/ \*ERYTHROCYTES, metabolism/ HUMAN/ \*POTASSIUM, metabolism/ SPECTROPHOTOMETRY/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4414. Ylikorkala O: Primaarinen dysmenorrea ja prostaglandiini. *Duodecim* 94(16):958-60, 1978  
ANALGESICS, ANTI-INFLAMMATORY, therapeutic use/ \*DYSMENORRHEA, drug therapy/ FEMALE/ HUMAN/ \*PROSTAGLANDIN ANTAGONISTS, therapeutic use/ PROSTAGLANDINS, metabolism
4415. Yokosawa H, Inagami T, Haas E: Purification of human renin. *Biochem Biophys Res Commun* 83(1):306-12, 14 Jul 78  
CHROMATOGRAPHY, AFFINITY, methods/ HUMAN/ \*KIDNEY, enzymology/ \*RENIN, isolation & purification/ RENIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4416. Yoshida H: Studies on translocation of acetylcholine in nerve terminals [proceedings] *Med J Osaka Univ* 28(2):101-7, Dec 77  
\*ACETYLCHOLINE, metabolism/ ANIMAL/ CALCIUM, metabolism/ IN VITRO/ \*NERVE TERMINALS, metabolism/ SYNAPTIC MEMBRANE, metabolism
4417. Yosbida K, Fukase M, Komatsu T, et al: [A case report of perineural sacral cyst associated with a mosaic of Turner syndrome (author's transl)] *Rinsho Shinkeigaku* 18(6):302-3, Jun 78 (Eng. Abstr.)  
ADOLESCENCE/ ADULT/ AGED/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ MIDDLE AGE/ \*MOSAICISM/ \*RADICULAR CYST, complications/ \*TURNER SYNDROME, complications/ TURNER'S SYNDROME, familial & genetic
4418. Yosbida O, Takeuchi H: [Prune belly syndrome and abnormality of the urogenital system] *Nippon Rinsho Suppl*:2332-3, May 78  
\*ABDOMINAL WALL, abnormalities/ ABNORMALITIES, MULTIPLE/ CHILD, PRESCHOOL/ HUMAN/ INFANT/ MALE/ SYNDROME/ TESTIS, abnormalities/ \*UROGENITAL SYSTEM, abnormalities



# AUTHOR SECTION

9. Yoshida S: [Syndrome of inappropriate secretion of ADH]  
Nippon Rinsho Suppl:1528-9, May 78 (Jpn)  
HUMAN/ \*INAPPROPRIATE ADH SYNDROME/  
INAPPROPRIATE ADH SYNDROME, metabolism
10. Yoshida S, Kuzuya K, Saito T, et al: [Case of pituitary apoplexy  
simulating meningitis, and familial cases of primary  
hemochromatosis with pituitary hypogonadism]  
Horumon To Rinsho 26(1):39-43, Jan 78 (Jpn)  
ADULT/ CASE REPORT/ DIAGNOSIS,  
DIFFERENTIAL/ FEMALE/  
HEMOCHROMATOSIS, complications/  
\*HEMOCHROMATOSIS, familial & genetic/  
HUMAN/ \*HYPOGONADISM, complications/  
MALE/ \*MENINGITIS, diagnosis/ MIDDLE AGE/  
\*PITUITARY DISEASES, diagnosis
1. Yoshida S, Matsuda Y, Samejima A: Tetrodotoxin-resistant  
sodium and calcium components of action potentials in dorsal  
root ganglion cells of the adult mouse. J Neurophysiol  
41(5):1096-1106, Sep 78  
ACTION POTENTIALS, drug effects/ ANIMAL/  
CALCIUM, administration & dosage/ \*CALCIUM,  
metabolism/ DOSE-RESPONSE RELATIONSHIP,  
DRUG/ GANGLIA, SPINAL, cytology/  
\*GANGLIA, SPINAL, drug effects/ \*ION  
CHANNELS, drug effects/ ION CHANNELS,  
metabolism/ MALE/ MICE/ NEURONS, drug effects/  
NEURONS, physiology/ SODIUM, administration &  
dosage/ \*SODIUM, metabolism/ \*TETRODOTOXIN,  
pharmacodynamics
2. Yoshikawa H, Uetani T, Sako F, et al: [Treatment of  
therapy-resistant acute non-lymphocytic leukemia with  
PADO (author's transl)] Rinsho Ketsueki 19(3):207-13, Mar  
78 (Eng. Abstr.) (Jpn)  
ADULT/ AGED/ CYCLOPHOSPHAMIDE,  
administration & dosage/ CYTARABINE,  
administration & dosage/ DAUNOMYCIN,  
administration & dosage/ DRUG RESISTANCE/  
DRUG THERAPY, COMBINATION/ ENGLISH  
ABSTRACT/ FEMALE/ HUMAN/ \*LEUKEMIA,  
MONOBLASTIC, drug therapy/ \*LEUKEMIA,  
MYELOBLASTIC, drug therapy/ MALE/ MIDDLE  
AGE/ PREDNISOLONE, administration & dosage/  
VINCRISTINE, administration & dosage
3. Yoshikawa S: [Rickets and osteomalacia] Nippon Rinsho  
Suppl:2350-1, May 78 (Jpn)  
HUMAN/ \*OSTEOMALACIA/ OSTEOMALACIA,  
etiology/ \*RICKETS/ RICKETS, etiology
4. Yoshimi H, Matsukura S, Sueoka S, et al: [Biosynthesis and  
multiplicity of immunologic activities of beta-endorphin]  
Hormon To Rinsho 26(8):781-5, Aug 78 (Jpn)  
ANIMAL/ CATTLE/ \*ENDORPHINS, biosynthesis/  
ENDORPHINS, immunology/ ENKEPHALINS,  
biosynthesis/ HUMAN/ RADIOIMMUNOASSAY/  
RATS
5. Yoshimura M, Takamura S, Ishikawa T, et al: Enhancement  
of 5-hydroxytryptamine-induced contraction of the guinea  
pig ileum by a new sulfur compound, tripropylsulfonium  
bromide. Jpn J Pharmacol 28(3):359-66, Jun 78  
ACETYLCHOLINE, pharmacodynamics/  
ACETYLCHOLINE, secretion/ ANIMAL/  
ATROPINE, pharmacodynamics/ DRUG  
SYNERGISM/ FEMALE/ GUINEA PIGS/  
HISTAMINE, pharmacodynamics/ ILEUM/ IN  
VITRO/ MALE/ MORPHINE, pharmacodynamics/  
\*MUSCLE CONTRACTION, drug effects/  
\*MUSCLE, SMOOTH, drug effects/ NERVE  
ENDINGS, secretion/ \*ONIUM COMPOUNDS,  
pharmacodynamics/ PHYSOSTIGMINE,  
pharmacodynamics/ \*SEROTONIN,  
pharmacodynamics/ SULFONIUM COMPOUNDS,  
antagonists & inhibitors/ \*SULFONIUM  
COMPOUNDS, pharmacodynamics
- Yoshimura S, Tamaoki N, Ueyama Y, et al: Plasma protein  
production by human tumors xenotransplanted in nude mice.  
Cancer Res 38(10):3474-8, Oct 78  
ADENOCARCINOMA, blood/ ANIMAL/ \*BLOOD  
PROTEINS, biosynthesis/ CARCINOMA,  
EPIDERMAL, blood/ COLONIC NEOPLASMS,  
blood/ DYSGERMINOMA, blood/ FEMALE/  
HEPATOMA, EXPERIMENTAL, blood/ HUMAN/  
KIDNEY NEOPLASMS, blood/ MALE/  
MAXILLARY SINUS/ MICE/ MICE, INBRED  
BALB C/ MICE, NUDE/ \*NEOPLASM PROTEINS,  
blood/ NEOPLASM TRANSPLANTATION/  
\*NEOPLASMS, EXPERIMENTAL, blood/  
PARANASAL SINUS NEOPLASMS, blood/  
TRANSPLANTATION, HETEROLOGOUS
4427. Yoshinaga K: [17 alpha-hydroxylase deficiency]  
Nippon Rinsho Suppl:1580-1, May 78 (Jpn)  
ADRENAL GLAND HYPERFUNCTION,  
metabolism/ FEMALE/ HUMAN/ MALE/  
\*STEROID HYDROXYLASES, deficiency
4428. Yoshizaki T, Tonda K, Kitakaze T, et al: Drug-induced  
adrenaline release and blood glucose in rats:  
DL-1-methyl-2-(beta-naphthyl)-aziridine.  
Jpn J Pharmacol 28(2):205-11, Apr 78  
ADRENAL GLANDS, secretion/ ANIMAL/  
\*AZIRIDINES, pharmacodynamics/ \*AZIRINES,  
pharmacodynamics/ \*BLOOD SUGAR, metabolism/  
DEPRESSION, CHEMICAL/ DOSE-RESPONSE  
RELATIONSHIP, DRUG/ EPINEPHRINE,  
antagonists & inhibitors/ \*EPINEPHRINE, secretion/  
HYPERGLYCEMIA, chemically induced/ INSULIN,  
blood/ LIVER GLYCOGEN, metabolism/ MALE/  
RATS
4429. Youdim MB, Green AR: Iron deficiency and neurotransmitter  
synthesis and function. Proc Nutr Soc 37(2):173-9, Sep 78  
ANIMAL/ BEHAVIOR, ANIMAL, drug effects/  
BRAIN CHEMISTRY/ CATECHOLAMINES,  
metabolism/ DOPAMINE, physiology/ IRON, analysis/  
\*IRON, deficiency/ MALE/ MOTOR ACTIVITY,  
drug effects/ NEUROHUMORS, biosynthesis/  
\*NEUROHUMORS, physiology/ RATS/  
SEROTONIN, physiology/ TISSUE  
DISTRIBUTION/ TRANYLCYPROMINE,  
pharmacodynamics/ TRYPTOPHAN,  
pharmacodynamics
4430. Young AK, Walker BL: Cholesteryl ester depletion from the  
ovaries of superovulated female rats fed a normal or essential  
fatty acid deficient diet. Can J Physiol Pharmacol  
56(4):585-90, Aug 78  
ANIMAL/ \*CHOLESTEROL ESTERS, metabolism/  
DIET/ ESTRUS/ \*FATTY ACIDS, ESSENTIAL,  
deficiency/ FEMALE/ FSH, pharmacodynamics/ LH,  
pharmacodynamics/ \*OVARY, metabolism/  
\*OVULATION/ RATS/ \*SUPEROVULATION
4431. Young CE, Rogers LJ: Effects of steroidal hormones on sexual,  
attack, and search behavior in the isolated male chick.  
Horm Behav 10(2):107-17, Apr 78  
\*AGGRESSION, drug effects/ ANDROSTANES,  
pharmacodynamics/ ANDROSTENEDIONE,  
pharmacodynamics/ ANIMAL/ ATTENTION, drug  
effects/ CHICKENS/ COPULATION, drug effects/  
ESTRADIOL, pharmacodynamics/ KETOSTEROIDS,  
pharmacodynamics/ MALE/ \*SEX BEHAVIOR,  
ANIMAL, drug effects/ \*SEX HORMONES,  
pharmacodynamics/ SOCIAL ISOLATION/  
STANOLONE, pharmacodynamics/  
TESTOSTERONE, pharmacodynamics
4432. Young JL, Stansfield DA: Solubilization of bovine  
corpus-luteum adenylate cyclase in lubrol-PX, triton X-100  
or digitonin and the stabilizing effect of sodium fluoride  
present in the solubilization medium. Biochem J  
173(3):919-24, 1 Sep 78  
\*ADENYL CYCLASE/ ANIMAL/ CATTLE/  
\*CORPUS LUTEUM, enzymology/ \*DETERGENTS/  
DIGITONIN/ \*FLUORIDES/ GUANYLYL  
IMIDODIPHOSPHATE/ MAGNESIUM/  
\*POLYETHYLENE GLYCOLS/ \*SODIUM  
FLUORIDE/ SOLUTIONS/ TRITONS
4433. Young RC, Canellos GP, Chabner BA, et al: Patterns of relapse  
in advanced Hodgkin's disease treated with combination  
chemotherapy. Cancer 42(2 Suppl):1001-7, Aug 78  
ADOLESCENCE/ ADULT/ AGED/  
\*ANTINEOPLASTIC AGENTS, therapeutic use/  
CHILD/ DRUG THERAPY, COMBINATION/  
FEMALE/ HODGKIN'S DISEASE, drug therapy/  
\*HODGKIN'S DISEASE, pathology/ HODGKIN'S  
DISEASE, radiotherapy/ HUMAN/ LYMPH NODES,  
pathology/ MALE/ MECHLORETHAMINE,  
therapeutic use/ MIDDLE AGE/ PREDNISONE,  
therapeutic use/ PROCARBAZINE, therapeutic use/  
RECURRENCE/ VINCRISTINE, therapeutic use
4434. Yousef IM, Murray RK: Studies on the preparation of rat liver  
plasma membrane fractions and on their polypeptide patterns.  
Can J Biochem 56(7):713-21, Jul 78  
ANIMAL/ BILE DUCTS, INTRAHEPATIC,



## AUTHOR SECTION

- analysis/ BUFFERS/ CELL FRACTIONATION, methods/ \*CELL MEMBRANE/ CELL MEMBRANE, analysis/ CELL MEMBRANE, enzymology/ COMPARATIVE STUDY/ \*LIVER, cytology/ MALE/ MEMBRANES, analysis/ MICROSCOPY, ELECTRON/ MOLECULAR WEIGHT/ \*PEPTIDES, analysis/ RATS/ TISSUE PRESERVATION
4435. Yun JC, Kelly GD, Bartter FC, et al: Role of prostaglandins in the control of renin secretion in the dog (II). *Life Sci* 23(9):945-52, 4 Sep 78  
ANIMAL/ DOGS/ FEMALE/ INJECTIONS/ KIDNEY/ POTASSIUM, metabolism/ PROSTAGLANDINS E, administration & dosage/ \*PROSTAGLANDINS E, pharmacodynamics/ PROSTAGLANDINS F, administration & dosage/ \*PROSTAGLANDINS F, pharmacodynamics/ \*RENIN, secretion/ SODIUM, metabolism/ TIME FACTORS
4436. Yungmans WN, Morré DJ: Distribution of adenylate cyclase among membrane fractions of rat liver. *Cytobiologie* 17(1):212-31, Jun 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, biosynthesis/ \*ADENYL CYCLASE, analysis/ ADENYL CYCLASE, metabolism/ ANIMAL/ CELL MEMBRANE, enzymology/ ENDOPLASMIC RETICULUM, enzymology/ ENZYME ACTIVATION/ GLUCAGON, pharmacodynamics/ GOLGI APPARATUS, enzymology/ \*LIVER, enzymology/ RATS/ SODIUM FLUORIDE, pharmacodynamics/ SUBCELLULAR FRACTIONS/ UNITED STATES GOV'T SUPPORTED, P.H.S./ 3',5'-CYCLIC AMP PHOSPHODIESTERASE, metabolism
- ### Z
4437. Zaijman JD, Venter PF: Faktore wat die Fetale Massatoename in utero beïnvloed. *S Afr Med J* 53(21):867-9, 27 May 78 (18 ref.) (Eng. Abstr.) (Afr)  
AGE FACTORS/ AIR POLLUTION/ ALTITUDE/ DRUG DEPENDENCE, complications/ ENDOCRINE GLANDS, metabolism/ ENGLISH ABSTRACT/ FEMALE/ FETAL DISEASES/ \*FETUS, physiology/ GROWTH/ HUMAN/ HYPERTENSION, complications/ MOTHERS/ NUTRITION/ OXYGEN CONSUMPTION/ PLACENTA, physiology/ POLYCYTHEMIA, complications/ PREGNANCY IN DIABETES, complications/ PREGNANCY/ REVIEW/ SEX FACTORS/ SMOKING, complications/ SOCIOECONOMIC FACTORS/ URINARY TRACT INFECTIONS, complications
4438. Zabel M: Narbenkeloide, Eruptive Xanthome, Mollusca contagiosa, Juveniles Melanom, Myxoedema circumscriptum praetibiale. *Hautarzt* 29(8):451-2, Aug 78 (Ger)  
ADOLESCENCE/ ADULT/ AGED/ FEMALE/ HUMAN/ \*KELOID, pathology/ \*MELANOMA, pathology/ MIDDLE AGE/ \*MOLLUSCUM CONTAGIOSUM, pathology/ MYXEDEMA, pathology/ \*XANTHOMA, JUVENILE, pathology
4439. Záborszky L, Palkovits M: Ascending brain stem pathways to the diencephalon and limbic regions: a light and electron microscopic study in the rat. *Acta Microbiol Acad Sci Hung* 25(2):49-71, 1978  
ANIMAL/ \*BRAIN STEM, ultrastructure/ \*HYPOTHALAMUS, ultrastructure/ \*LIMBIC SYSTEM, ultrastructure/ \*NERVE FIBERS, ultrastructure/ RATS/ SYNAPSES, ultrastructure/ SYNAPTIC VESICLES, ultrastructure/ \*THALAMUS, ultrastructure
4440. Zaccanti F, Tognato G, Tommasini S: Proposta di un metodo di valutazione del grado di differenziamento sessuale dei corpi genitali in corso di sviluppo di anfibii anuri. *Arch Ital Anat Embriol* 82(3):233-52, Jul-Sep 77 (Eng. Abstr.) (Ita)  
ANIMAL/ CELL DIFFERENTIATION/ ENGLISH ABSTRACT/ FROGS/ \*GONADS, embryology/ \*RANA, embryology/ \*SEX DIFFERENTIATION
4441. Zajadacz B: Osteogenesis imperfecta congenita. *Wiad Lek* 31(12):853-7, 15 Jun 78 (Eng. Abstr.) (Pol)  
CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ INFANT, NEWBORN/
- MUTATION/ OSTEOGENESIS IMPERFECTA congenital/ \*OSTEOGENESIS IMPERFECTA, familial & genetic/ OSTEOGENESIS
4442. Zaletaeva TA, Kaniuka VK, Golovchanskiĭ OV, et al: Spetsificheskaia izmenchivost' chisla kletok s X-khromatinom v kratkovremennykh kul'turakh bukkal'nogo épiteliia zhenshchin pri vozdeistvii gorm v raznye fazy individual'nogo sutochnogo bioritma. *Biull Eksp Biol Med* 86(9):374-8, Sep 78 (Eng. Abstr.)  
ADULT/ CELL NUMBER/ CHEEK/ \*CIRCADIAN RHYTHM/ COMPARATIVE STUDY/ CORTICOTROPIN, pharmacodynamics/ \*DIURNAL RHYTHM/ ENGLISH ABSTRACT/ FEMALE/ \*HORMONES, pharmacodynamics/ HUMAN/ IN VITRO/ INSULIN, pharmacodynamics/ MIDDLE AGE/ \*MOUTH MUCOSA, cytology/ \*SEX CHROMATIN, analysis/ SEX CHROMATIN, effects/ THYROXINE, pharmacodynamics
4443. Zamboni G, Cecchetti M, Zoppi G: Parathyroid hormone calcitonin secretion in uraemic infants. *Eur J Pediatr* 129(3):183-90, 12 Oct 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, urine/ ALKALINE PHOSPHATASE, blood/ CALCITONIN, blood/ \*CALCITONIN, secretion/ CALCIUM, metabolism/ FEMALE/ HUMAN/ HYDROXYPROLINE, urine/ INFANT/ KIDNEY FAILURE, CHRONIC, blood/ MALE/ PARATHYROID HORMONE, blood/ \*PARATHYROID HORMONE, secretion/ PHOSPHORUS, metabolism/ UREMIA, blood/ \*UREMIA, metabolism/ UREMIA, urine
4444. Zamboni P, Paradiso M, Siro Brigiani G: Recettori diffusi su una stessa micocellula. *Boll Soc Ital Biol Sper* 54(4):328-30, 28 Feb 78  
ACETYLCHOLINE, pharmacodynamics/ ANGIOTENSIN II, pharmacodynamics/ ANIMAL BLADDER, drug effects/ CELL MEMBRANE, HISTAMINE, pharmacodynamics/ HUMAN/ INTENSITIES, drug effects/ MICE/ MUSCLE CONTRACTION, drug effects/ MUSCLE, SMOOTH, drug effects/ \*MUSCLES, cytology/ RATS/ \*RECEPTORS, CHOLINERGIC/ \*RECEPTORS, HISTAMINE/ SEROTONIN, pharmacodynamics/ UMBILICAL ARTERIES, drug effects
4445. Zamit R: The renin-angiotensin system. *S Afr Med J* 53(24):974-8, 14 Jun 78  
ANGIOTENSIN I, blood/ \*ANGIOTENSINS, physiology/ HUMAN/ HYPERTENSION, complications/ \*HYPERTENSION, physiopathology/ KIDNEY DISEASES, complications/ RENIN, blood/ \*RENIN, physiology/ RENIN, secretion
4446. Zamrazilová E, Skála I: Gastrointestinální hormony. *Cesk Gastroenterol Vyz* 32(5):306-13, Jul 78  
AMINO ACID SEQUENCE/ DUODENUM, physiology/ ENDOCRINE GLANDS, secretion/ GASTRIC MUCOSA, secretion/ GASTRINS, and analogs/ \*GASTROINTESTINAL HORMONES/ GASTROINTESTINAL HORMONES, pharmacodynamics/ GASTROINTESTINAL HORMONES, physiology/ GASTROINTESTINAL HORMONES, secretion/ GASTROINTESTINAL MOTILITY, drug effects/ HUMAN/ PANCREAS, physiology/ STOMACH, physiology
4447. Zanchetti A, Stella A: Neural control of renin release. *Clin Sci Mol Med* 48 Suppl 2:215s-223s, Jun 75 (63)  
ANIMAL/ CATS/ DOGS/ ELECTRIC STIMULATION/ ETHACRYNIC ACID, pharmacodynamics/ FUROSEMIDE, pharmacodynamics/ HUMAN/ HYPERTENSION, physiopathology/ HYPOTHALAMUS, physiology/ KIDNEY, innervation/ POSTURE/ RABBITS/ RATS/ REFLEX/ \*RENIN, secretion/ REVIEW/ \*SYMPATHETIC NERVOUS SYSTEM, physiology
4448. Zapf J, Waldvogel M, Zumstein P, et al: Increased sensitivity to epinephrine of the cyclic AMP-protein kinase system in adipose tissue of diabetic rats. *FEBS Lett* 94(1):43-5, Oct 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ \*ADIPOSE TISSUE, enzymology/ ANIMAL/ CORTICOTROPIN, pharmacodynamics/ \*DIABETES MELLITUS, EXPERIMENTAL, enzymology/ DOSE-RESPONSE RELATIONSHIPS/ DRUG/ ENZYME ACTIVATION, drug effects



## AUTHOR SECTION

- \*EPINEPHRINE, pharmacodynamics/ LIPID MOBILIZATION, drug effects/ MALE/ \*PROTEIN KINASE, metabolism/ RATS/ RECEPTORS, ADRENERGIC, drug effects
49. Zaroulis CG, Schweitzer RL, Barchet S, et al: Enhanced red cell oxygen transport in a pregnant woman with hemoglobin SD disease. *Obstet Gynecol* 52(3):358-60, Sep 78  
ADULT/ \*ANEMIA, SICKLE CELL, blood/ ANEMIA, SICKLE CELL, urine/ CASE REPORT/ ESTRIOL, urine/ FEMALE/ HUMAN/ INFANT, NEWBORN/ \*OXYGEN, blood/ \*PREGNANCY COMPLICATIONS, HEMATOLOGIC, blood/ PREGNANCY COMPLICATIONS, HEMATOLOGIC, urine/ PREGNANCY
50. Zauli F, De Marchi C, Perolo F: Ecoscopia nella diagnostica precoce della gravidanza. *Minerva Ginecol* 30(9):749-53, Sep 78 (Ita)  
ABORTION, MISSED, diagnosis/ ABORTION, THREATENED, diagnosis/ ADULT/ EVALUATION STUDIES/ FEMALE/ HUMAN/ HYDATIDIFORM MOLE, diagnosis/ PREGNANCY COMPLICATIONS, diagnosis/ \*PREGNANCY TESTS/ PREGNANCY/ PREGNANCY, MULTIPLE/ \*ULTRASONICS, diagnostic use/ UTERINE NEOPLASMS, diagnosis
1. Zawadzki ZA, Kapadia S, Barnes AE: Leukemic myelomatosis (plasma cell leukemia). *Am J Clin Pathol* 70(4):605-11, Oct 78  
ADULT/ AGED/ BENICE JONES PROTEIN, analysis/ BONE MARROW, pathology/ CASE REPORT/ FEMALE/ HUMAN/ HYPERCALCEMIA, complications/ IGG, analysis/ LEUKEMIA, LYMPHOCYTIC, complications/ LEUKEMIA, PLASMACYTIC, diagnosis/ \*LEUKEMIA, PLASMACYTIC, pathology/ LEUKOCYTOSIS, complications/ MALE/ MIDDLE AGE/ MULTIPLE MYELOMA, complications/ PARAPROTEINEMIAS, complications
2. Zech P, Sassard J, Pozet N, et al: Correlation between evolution and treatment of hypertension in unilateral renal disease and values of renin activity in renal venous blood. *Contrib Nephrol* 11:155-9, 1978  
ADOLESCENCE/ ADULT/ HUMAN/ \*HYPERTENSION, RENAL, therapy/ HYPERTENSION, RENOVASCULAR, complications/ HYPERTENSION, RENOVASCULAR, enzymology/ \*HYPERTENSION, RENOVASCULAR, therapy/ KIDNEY DISEASES, complications/ MIDDLE AGE/ RENAL VEINS/ \*RENIN, blood
- Zeman V, Němec J: Kolizní karcinom štětné žlázy v Hashimotově tyreoiditidě. spinocelulární karcinom, vycházející z cysty ductus thyroglossus a folikulární karcinom s anaplastickým zvratem. *Cesk Patol* 13(4):198-203, Nov 77 (Eng. Abstr.) (Cze)  
ADENOCARCINOMA, complications/ \*ADENOCARCINOMA, pathology/ ADULT/ BIOPSY/ CARCINOMA, EPIDERMOID, complications/ \*CARCINOMA, EPIDERMOID, pathology/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ THYROID NEOPLASMS, complications/ \*THYROID NEOPLASMS, pathology/ \*THYROIDITIS, LYMPHOMATOUS, complications
- Zeman V, Hanika J: Oboustranný feochromocytom nadledvin a solitární neurofibrom sliznice hřbetu jazyka, sdružený se solidním medulárním karcinomem štětné žlázy v hashimotově lymfocytární tyreoiditidě. *Cesk Patol* 13(4):185-91, Nov 77 (Eng. Abstr.) (Cze)  
\*ADRENAL GLAND NEOPLASMS, complications/ ADRENAL GLAND NEOPLASMS, pathology/ ADULT/ \*CARCINOMA, complications/ CARCINOMA, pathology/ CASE REPORT/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*NEUROFIBROMA, complications/ NEUROFIBROMA, pathology/ \*PHEOCHROMOCYTOMA, complications/ PHEOCHROMOCYTOMA, pathology/ \*THYROID NEOPLASMS, complications/ THYROID NEOPLASMS, pathology/ \*THYROIDITIS, LYMPHOMATOUS, complications/ \*TONGUE NEOPLASMS, complications/ TONGUE NEOPLASMS, pathology
- Zeman V: Karcinom štětné žlázy s pěníými buňkami ve stromatu. *Cesk Patol* 14(2):105-8, May 78 (Eng. Abstr.) (Cze)  
ADENOCARCINOMA, pathology/ ADULT/ \*CARCINOMA, pathology/ DIAGNOSIS, DIFFERENTIAL/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ \*MACROPHAGES/ MALE/ MIDDLE AGE/ \*THYROID NEOPLASMS, pathology
4456. Zemlan FP: Influence of p-chloroamphetamine and p-chlorophenylalanine on female mating behavior. *Ann NY Acad Sci* 305:621-6, 12 Jun 78  
\*P-CHLOROAMPHETAMINE, pharmacodynamics/ \*P-CHLOROPHENYLALANINE, pharmacodynamics/ \*AMPHETAMINES, pharmacodynamics/ ANESTHETICS, LOCAL, pharmacodynamics/ ANIMAL/ CHOLESTEROL, pharmacodynamics/ DOSE-RESPONSE RELATIONSHIP, DRUG/ FEMALE/ MESENCEPHALON/ PROGESTERONE, pharmacodynamics/ RATS/ \*SEX BEHAVIOR, ANIMAL, drug effects/ TIME FACTORS
4457. Zenser TV, Mattammal MB, Herman CA, et al: Effect of acetaminophen on prostaglandin E2 and prostaglandin F2alpha synthesis in the renal inner medulla of rat. *Biochim Biophys Acta* 542(3):486-95, 6 Sep 78  
\*ACETAMINOPHEN, pharmacodynamics/ ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, metabolism/ ANIMAL/ ARACHIDONIC ACIDS, pharmacodynamics/ ASPIRIN, pharmacodynamics/ DEPRESSION, CHEMICAL/ DOSE-RESPONSE RELATIONSHIP, DRUG/ IN VITRO/ INDOMETHACIN, pharmacodynamics/ KIDNEY MEDULLA, drug effects/ \*KIDNEY MEDULLA, metabolism/ \*PROSTAGLANDINS E, biosynthesis/ \*PROSTAGLANDINS F, biosynthesis/ RATS/ UNITED STATES GOV'T SUPPORTED
4458. Zentner GM, Cardinal JR, Kim SW: Progesterin permeation through polymer membranes II: diffusion studies on hydrogel membranes. *J Pharm Sci* 67(10):1352-5, Oct 78  
\*ACRYLIC RESINS/ CHEMISTRY, PHARMACEUTICAL/ \*DELAYED-ACTION PREPARATIONS/ DIFFUSION/ MEMBRANES, ARTIFICIAL/ PERMEABILITY/ \*POLYMETHACRYLIC ACIDS/ \*PROGESTERONE/ SOLUBILITY/ UNITED STATES GOV'T SUPPORTED, P.H.S./ WATER
4459. Zentner GM, Cardinal JR, Kim SW: Progesterin permeation through polymer membranes I: diffusion studies on plasma-soaked membranes. *J Pharm Sci* 67(10):1347-51, Oct 78  
ABSORPTION/ CHEMISTRY, PHARMACEUTICAL/ \*DELAYED-ACTION PREPARATIONS/ LIPIDS/ MEMBRANES, ARTIFICIAL/ PERMEABILITY/ PLASMA/ \*POLYMERS/ \*PROGESTERONE/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4460. Zetter BR, Johnson LK, Shuman MA, et al: The isolation of vascular endothelial cell lines with altered cell surface and platelet-binding properties. *Cell* 14(3):501-9, Jul 78  
BLOOD PLATELETS, physiology/ \*BLOOD VESSELS, cytology/ \*CELL LINE/ CONTACT INHIBITION/ ENDOTHELIUM, cytology/ FACTOR VIII, analysis/ GLYCOPROTEINS, metabolism/ GROWTH SUBSTANCES, pharmacodynamics/ MEMBRANE FLUIDITY/ MEMBRANE PROTEINS, metabolism/ \*PLATELET ADHESIVENESS/ SEROTONIN, metabolism/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4461. Ziegler HK, Henney CS: Human K cell mediated cytotoxicity. *Ric Clin Lab* 8(1-2):1-16, Jan-Jun 78  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE, pharmacodynamics/ \*ANTIBODY-DEPENDENT CELL CYTOTOXICITY/ ANTIGEN-ANTIBODY COMPLEX/ ANTIGEN-ANTIBODY REACTIONS/ BINDING SITES, ANTIBODY/ CYTOCHALASIN B, pharmacodynamics/ EDTA, pharmacodynamics/ HUMAN/ IGG/ IMMUNOGLOBULINS, FC/ IMMUNOGLOBULINS, SURFACE/ \*IMMUNOLOGIC CAPPING/ \*KILLER CELLS, immunology/ \*LYMPHOCYTES, immunology/ TEMPERATURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.
4462. Zieleniewski J, Owczarczyk I, Reterski Z: Wpływ dexametazonu na stężenie FSH i LH we krwi u chorych



## AUTHOR SECTION

- z hirsutyzmem i u chorych z zespołem Steina-Leventhala.  
Endokrynol Pol 29(4):305-11, Jul-Aug 78 (Eng. Abstr.) (Pol)
- ADOLESCENCE/ ADULT/ \*DEXAMETHASONE,  
pharmacodynamics/ ENGLISH ABSTRACT/  
FEMALE/ \*FSH, blood/ \*HIRSUTISM, blood/  
HUMAN/ \*LH, blood/ \*STEIN-LEVENTHAL  
SYNDROME, blood
4463. **Zimber Z, Perk K:** Male sterility in the domestic fowl (*Gallus domesticus*) after  
1-(2-chloroethyl)-3-(4-methylcyclohexyl)-1-nitroso-trans-  
(NSC-95441) treatment of chicks. *J Natl Cancer Inst*  
61(3):793-7, Sep 78
- ANIMAL/ ANIMALS, NEWBORN/ BODY  
WEIGHT, drug effects/ CHICKENS/ MALE/  
\*NITROSOUREA COMPOUNDS, toxicity/ ORGAN  
WEIGHT, drug effects/ SEMEN, cytology/  
SEMUSTINE, administration & dosage/  
\*SEMUSTINE, toxicity/ SPERMATOGENESIS, drug  
effects/ STERILITY, MALE, blood/ \*STERILITY,  
MALE, chemically induced/ STERILITY, MALE,  
pathology/ TESTIS, pathology/ TESTOSTERONE,  
blood
4464. **Zimmerman BG:** Effect of meclofenamate on renal vascular  
resistance in early Goldblatt hypertension in conscious and  
anesthetized dog. *Prostaglandins* 15(6):1027-33, Jun 78
- ANESTHESIA, GENERAL/ ANIMAL/  
\*ANTHRANILIC ACIDS, pharmacodynamics/  
BLOOD PRESSURE DETERMINATION/ DOGS/  
\*HYPERTENSION, RENAL, physiopathology/  
\*HYPERTENSION, RENOVASCULAR,  
physiopathology/ INJECTIONS, INTRAVENOUS/  
\*KIDNEY, blood supply/ MECLOFENAMIC ACID,  
administration & dosage/ \*MECLOFENAMIC ACID,  
pharmacodynamics/ \*PROSTAGLANDINS,  
physiology/ RENIN, blood/ TIME FACTORS/  
UNITED STATES GOV'T SUPPORTED, P.H.S./  
\*VASCULAR RESISTANCE, drug effects
4465. **Zimmerman EA, Stillman MA, Recht LD, et al:** Vasopressin  
and corticotropin-releasing factor: an axonal pathway to  
portal capillaries in the zona externa of the median eminence  
containing vasopressin and its interaction with adrenal  
corticoids. *Ann NY Acad Sci* 297:405-19, 28 Oct 77
- \*ADRENAL CORTEX, physiology/ ANIMAL/  
\*CORTICOTROPIN RELEASING HORMONE/  
FEMALE/ HYPOTHALAMO-HYPOPHYSEAL  
SYSTEM, physiology/ HYPOTHALAMUS, analysis/  
MONKEYS/ NEUROPHYSINS, analysis/  
\*NEUROSECRETORY SYSTEMS/ OXYTOCIN,  
analysis/ PITUITARY-ADRENAL SYSTEM,  
physiology/ RATS/ RHESUS MONKEYS/ UNITED  
STATES GOV'T SUPPORTED, P.H.S./  
VASOPRESSINS, analysis/ \*VASOPRESSINS,  
physiology
4466. **Zimmerman RR, Kung'u A:** Testicular and paratesticular  
tumours in Kenya. *East Afr Med J* 55(5):205-10, May 78
- ADULT/ AGED/ CASE REPORT/ HUMAN/  
\*HYDROCELE, occurrence/ KENYA/ MALE/  
MIDDLE AGE/ \*ORCHITIS, occurrence/  
\*TESTICULAR NEOPLASMS, occurrence
4467. **Zimmerman T, Hummel L, Pielka E, et al:** Studies on the  
paraplacental free fatty acid transport in rats.  
*Acta Biol Med Ger* 37(2):245-8, 1978
- ANIMAL/ \*FATTY ACIDS, NONESTERIFIED,  
metabolism/ FEMALE/ FETUS/  
MATERNAL-FETAL EXCHANGE/  
MATHEMATICS/ MODELS, BIOLOGICAL/  
PLACENTA, metabolism/ PREGNANCY/ RATS/  
\*UTERUS, metabolism/ \*YOLK SAC, metabolism
4468. **Zimmerman TP, Wolberg G, Duncan GS, et al:** Inhibition of  
lymphocyte-mediated cytotoxicity by  
2-fluoroadenosine—evidence for two discrete mechanisms  
of drug action. *Biochem Pharmacol* 27(13):1731-7, 1978
- ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE,  
metabolism/ \*ADENOSINE, analogs & derivatives/  
ADENOSINE, pharmacodynamics/ CELLS,  
CULTURED/ \*CYTOTOXICITY, IMMUNOLOGIC,  
drug effects/ MICE/ RIBONUCLEOSIDES,  
pharmacodynamics/ RO 20-1724, pharmacodynamics/  
TIME FACTORS
4469. **Zimmermann RE, Lubinus J:** Die enzymatische Kopplung von  
Fibrinogenese und Fibrinolyse. *Klin Wochenschr*  
56(16):781-8, 15 Aug 78 (39 ref.) (Eng. Abstr.) (Ger)
- AMINOCAPROIC ACIDS, pharmacodynamics/  
ANIMAL/ CELL TRANSFORMATION,  
NEOPLASTIC/ DEXAMETHASONE,  
pharmacodynamics/ ENGLISH ABSTRACT/  
FACTOR XII/ \*FIBRIN, biosynthesis/  
FIBRINOLYSIS, biosynthesis/ \*FIBRINOLY  
\*HEMOSTASIS/ HUMAN/ L CELLS, drug  
LYSINE, pharmacodynamics/ MICE/ PEPTI  
HYDROLASES, metabolism/ PLASMINOGE  
ACTIVATORS/ PLASMINOGEN, metabolism  
RECEPTORS, HORMONE/ REVIEW/ RO  
SARCOMA VIRUS/ STREPTOKINASE, met  
SV40 VIRUS/ TRANEXAMIC ACID,  
pharmacodynamics/ UROKINASE, metabolism
4470. **Zimmermann T, Hummel L:** Studies on the fatty acid  
in maternal and fetal rats. *Acta Biol Med Ger* 37(2):245-8, 1978
- ACETATES, metabolism/ ANIMAL/  
COMPARATIVE STUDY/ \*FATTY ACIDS,  
biosynthesis/ FEMALE/ \*FETUS, metabolism  
GESTATIONAL AGE/ \*LIVER, metabolism  
PLACENTA, metabolism/ PREGNANCY/ R
4471. **Zincke H, Woods JE, Khan AU, et al:** Immunologic  
pretreatment in combination with pulsatile preserv  
cadaveric renal transplantation. *Transplantation* 26(4):403-7, Oct 78
- CADAVER/ CREATININE, blood/  
\*CYCLOPHOSPHAMIDE, pharmacodynamic  
GRAFT REJECTION/ GRAFT SURVIVAL  
HUMAN/ \*KIDNEY, transplantation/  
\*METHYLPREDNISOLONE, pharmacodyn  
\*ORGAN PRESERVATION/ TIME FACTO  
\*TISSUE PRESERVATION/  
TRANSPLANTATION, ALLOGENEIC
4472. **Zinn AB, Marshall JS, Carlson DM:** Preparation of  
glycopeptides and oligosaccharides from thyroxine  
globulin. *J Biol Chem* 253(19):6761-7, 10 Oct 78
- AMINO ACIDS, analysis/ CARBOHYDRAT  
analysis/ \*GLYCOPEPTIDES, analysis/ HUM  
MOLECULAR WEIGHT/ \*OLIGOSACCHA  
analysis/ \*THYROXINE BINDING PROTEI  
UNITED STATES GOV'T SUPPORTED, P
4473. **Zinn AB, Marshall JS, Carlson DM:** Carbohydrate s  
of thyroxine-binding globulin and their effects on he  
membrane binding. *J Biol Chem* 253(19):6768-73, 10 Oct 78
- ANIMAL/ CARBOHYDRATES, analysis/ C  
MEMBRANE, metabolism/ GLYCOPEPTID  
analysis/ GLYCOSIDE HYDROLASES/ HU  
\*LIVER, metabolism/ METHYLATION/  
OXIDATION-REDUCTION/ PERIODIC A  
\*RECEPTORS, DRUG, metabolism/ \*THYR  
BINDING PROTEIN/ THYROXINE BINDI  
PROTEIN, metabolism/ UNITED STATES  
SUPPORTED, P.H.S.
4474. **Zipf RE Jr:** Thyroid screening with triiodothyronin  
*Ann Clin Lab Sci* 8(5):372-5, Sep-Oct 78
- COMPARATIVE STUDY/ HUMAN/  
\*HYPERTHYROIDISM, diagnosis/  
\*HYPOTHYROIDISM, diagnosis/ THYROID  
FUNCTION TESTS/ \*TRIIODOTHYRONIN  
diagnostic use
4475. **Zoch-Zwierz W, Rudobielska M:** Posocznica gronko  
przypuszczalną przyczyną choroby Addisona u 12-  
chłopca. *Wiad Lek* 31(10):709-10, 15 May 78
- \*ADDISON'S DISEASE, etiology/ CASE RE  
CHILD/ HUMAN/ MALE/ \*SEPTICEMIA  
complications/ \*STAPHYLOCOCCAL INFE  
complications
4476. **Zochowski RJ, Wajszczuk W:** Ochronny wpływ  
glikokortykoidów (Methylprednisolone) na wielkość  
eksperymentalnego zawału serca. *Kardiol Pol* 21(4):205-8, 1978 (Eng. Abstr.)
- ANIMAL/ DOGS/ ENGLISH ABSTRACT/  
INJECTIONS, INTRAVENOUS/  
METHYLPREDNISOLONE, administration &  
\*METHYLPREDNISOLONE, therapeutic use  
\*MYOCARDIAL INFARCTION, drug therap  
MYOCARDIAL INFARCTION, prevention &
4477. **Zolman JC, Valenta LJ:** Binding of gonadotrophin  
hormone (GnRH) by bovine anterior pituitary pla  
membranes and purified GnRH receptor protein (G  
*Acta Endocrinol (Copenh)* 89(2):232-9, Oct 78
- ANIMAL/ CATTLE/ \*CELL MEMBRANE  
metabolism/ \*PITUITARY GLAND, ANTER



## AUTHOR SECTION

- metabolism/ \*PITUITARY HORMONE RELEASING HORMONES, metabolism/ PROTEIN BINDING/ RECEPTORS, HORMONE, isolation & purification/ \*RECEPTORS, HORMONE, metabolism/ TIME FACTORS/ UNITED STATES GOV'T SUPPORTED, P.H.S.
478. Zrubek H, Oleszczuk J, Pańczyk T, et al: Przydatność perfuzji łożyska do badań eksperymentalnych w klinice. *Ginekol Pol* 49(5):377-81, May 78 (Eng. Abstr.) (Pol)  
CARBON DIOXIDE, metabolism/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ HYDROGEN-ION CONCENTRATION/ OXYGEN CONSUMPTION/ PARTIAL PRESSURE/ PERFUSION/ \*PLACENTA, metabolism/ PREGNANCY
479. Zsótér TT, Wolchinsky C: Effect of antihypertensives on calcium kinetics in the aorta of spontaneously hypertensive rats. *Arch Int Pharmacodyn Ther* 234(2):287-93, Aug 78  
ANIMAL/ \*ANTIHYPERTENSIVE AGENTS, pharmacodynamics/ AORTA, drug effects/ AORTA, metabolism/ BLOOD VESSELS, drug effects/ \*BLOOD VESSELS, metabolism/ \*CALCIUM, metabolism/ HALF-LIFE/ HEMODYNAMICS, drug effects/ \*HYPERTENSION, metabolism/ LANTHANUM, pharmacodynamics/ MALE/ RATS/ TIME FACTORS
480. Zulian R, Rocha-Brito R, Borges HJ: Puncção percutânea no diagnóstico dos cistos da supra-renal. *Rev Paul Med* 91(5-6):133-7, May-Jun 78 (Eng. Abstr.) (Por)  
\*ADRENAL GLAND DISEASES, diagnosis/ ADRENAL GLAND DISEASES, pathology/ ADRENAL GLAND DISEASES, radiography/ ADULT/ AGED/ CASE REPORT/ CHILD, PRESCHOOL/ \*CYSTS, diagnosis/ CYSTS, pathology/ CYSTS, radiography/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ \*PUNCTURES
481. Zull JE, Krug S, Abel D, et al: Development of parathyroid hormone- and calcitonin-activated adenylate cyclases in embryonic chicken limb and in cultured cells from embryonic chicken limb. *Proc Natl Acad Sci USA* 75(8):3871-5, Aug 78  
\*ADENYL CYCLASE, metabolism/ \*BONE AND BONES, embryology/ BONE AND BONES, enzymology/ \*CALCITONIN, pharmacodynamics/ CELL DIFFERENTIATION/ CELLS, CULTURED/ CHICK EMBRYO/ \*PARATHYROID HORMONE, pharmacodynamics/ TIME FACTORS/ TISSUE CULTURE/ UNITED STATES GOV'T SUPPORTED, P.H.S.
482. Zupańska B, Sylwestrowicz T, Rechowicz K, et al: Wyniki leczenia niedokrwistości autoimmunohemolitycznych. *Pol Tyg Lek* 33(26):1021-4, 26 Jun 78 (Eng. Abstr.) (Pol)  
ADOLESCENCE/ ADRENAL CORTEX HORMONES, therapeutic use/ ADULT/ AGED/ ALKYLATING AGENTS, therapeutic use/ \*ANEMIA, HEMOLYTIC, AUTOIMMUNE, therapy/ AZATHIOPRINE, therapeutic use/ CHLORAMBUCIL, therapeutic use/ COMPARATIVE STUDY/ CYCLOPHOSPHAMIDE, therapeutic use/ DRUG EVALUATION/ ENGLISH ABSTRACT/ FEMALE/ FOLLOW-UP STUDIES/ HUMAN/ MALE/ MELPHALAN, therapeutic use/ MIDDLE AGE/ PREDNISONE, therapeutic use/ SPLENECTOMY
4483. British Society for Research on Ageing. Theme: the ageing liver [abstracts] *Age Ageing* 7(3):189-90, Aug 78  
ACID PHOSPHATASE, metabolism/ \*AGING/ ANIMAL/ GLUCOSEPHOSPHATASE, metabolism/ GREAT BRITAIN/ HYDROXYLATION/ LIVER, enzymology/ \*LIVER, metabolism/ MICE/ RATS/ RODENTS/ SOCIETIES, SCIENTIFIC/ VITAMIN D, metabolism
- Ann NY Acad Sci
4484. ACTH and related peptides: structure, regulation, and action. *Ann NY Acad Sci* 297:1-664, 28 Oct 77  
ANIMAL/ \*BRAIN, physiology/ \*CORTICOTROPIN, physiology/ HUMAN/ HYPOTHALAMO-HYPOPHYSEAL SYSTEM, physiology/ PITUITARY-ADRENAL SYSTEM, physiology
4485. Calcium transport and cell function. *Ann NY Acad Sci* 307:1-655, 28 Apr 78  
ANIMAL/ BIOLOGICAL TRANSPORT, ACTIVE/ \*CALCIUM, metabolism/ \*CELLS, physiology/ HUMAN/ MUSCLE CONTRACTION/ ORGANIDS, metabolism/ VISION, physiology
- AORN J
4486. Cancer and estrogen use [news] *AORN J* 28(4):594, Oct 78  
ANIMAL/ CONTRACEPTIVES, ORAL, SEQUENTIAL, adverse effects/ DIETHYLSTILBESTROL, adverse effects/ \*ESTROGENS, adverse effects/ FEMALE/ HUMAN/ \*NEOPLASMS, chemically induced/ PREGNANCY
- Biochimie
4487. Société de Chimie Biologique. Résumés des exposés généraux et des communications présentés à la première rencontre du groupe thématique 'Phosphorylation des protéines' Marseille 19 et 20 mai 1978. *Biochimie* 60(5):563-77, 4 Sep 78 (Fre)  
ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE/ ANIMAL/ BIOCHEMISTRY/ CONGRESSES/ FRANCE/ HUMAN/ \*PROTEIN KINASE, metabolism/ SOCIETIES, MEDICAL
- Br Med J
4488. Hypostatic ulceration and male sex chromosomal anomalies [letter] *Br Med J* 2(6134):434, 5 Aug 78  
HUMAN/ \*LEG ULCER, etiology/ MALE/ \*SEX CHROMOSOME ABNORMALITIES, complications/ \*VARICOSE VEINS, etiology
4489. Thyroid function tests [letter] *Br Med J* 2(6139):771-2, 9 Sep 78  
HUMAN/ MALE/ MIDDLE AGE/ REAGENT KITS, DIAGNOSTIC/ \*THYROID DISEASES, diagnosis/ \*THYROID FUNCTION TESTS, methods/ THYROXINE BINDING PROTEIN, analysis/ THYROXINE, blood/ TRIIODOTHYRONINE, diagnostic use
4490. Treatment of childhood cancer: effects on the gonads [editorial] *Br Med J* 2(6140):785-6, 16 Sep 78  
AGE FACTORS/ CHILD/ CYCLOPHOSPHAMIDE, adverse effects/ FEMALE/ \*GONADS/ GONADS, drug effects/ GONADS, radiation effects/ HUMAN/ MALE/ \*NEOPLASMS, therapy/ RADIOTHERAPY, adverse effects/ SEX FACTORS
4491. Melatonin as a tumour marker in a patient with pineal tumour [letter] *Br Med J* 2(6137):635-6, 26 Aug 78  
ADOLESCENCE/ ADULT/ \*BRAIN NEOPLASMS, blood/ HUMAN/ MALE/ MELATONIN, blood/ \*PINEAL BODY/ \*PINEALOMA, blood/ RADIOIMMUNOASSAY
4492. Adverse reactions to intravenous induction agents [editorial] *Br Med J* 2(6138):648-9, 2 Sep 78  
ALTHESIN, adverse effects/ \*ANESTHESIA, INTRAVENOUS, adverse effects/ HUMAN/ PROPANIDID, adverse effects/ THIOPENTAL, adverse effects
- Cancer Treat Rep
4493. Reports from the Workshop on the Use of Steroids as Carriers of Cytotoxic Agents in Breast Cancer: Cancer Therapy Evaluation Program, Division of Cancer Treatment, National Cancer Institute. *Cancer Treat Rep* 62(8):1239, Aug 78  
\*ANTINEOPLASTIC AGENTS, administration &

ONYMOUS

Ageing

# AUTHOR SECTION

- dosage/ ANTINEOPLASTIC AGENTS, therapeutic use/ \*BREAST NEOPLASMS, drug therapy/ CHEMISTRY, PHARMACEUTICAL/ CONGRESSES/ \*STERIODS/ UNITED STATES NATIONAL INSTITUTES OF HEALTH/ UNITED STATES

## Clin Bull

4494. Carcinoma of the ovary [clinical conference] Clin Bull 8(2):67-70, 1978  
ANTINEOPLASTIC AGENTS, therapeutic use/ CASE REPORT/ HUMAN/ MIDDLE AGE/ NEOPLASM STAGING/ OVARIAN NEOPLASMS, pathology/ OVARIAN NEOPLASMS, surgery/ \*OVARIAN NEOPLASMS, therapy/ PHOSPHORUS RADIOISOTOPES, therapeutic use

## Clin Endocrinol (Oxf)

4495. Molecular endocrinology. Proceedings of Endocrinology 1975 organized by the Endocrine Unit, Royal Postgraduate Medical School, Hammersmith Hospital, London, July 1975. Clin Endocrinol (Oxf) 5 Suppl:1S-406S, 1976  
ANIMAL/ CONGRESSES/ \*ENDOCRINE GLANDS/ \*HORMONES/ HUMAN/ LONDON/ MOLECULAR BIOLOGY

## Clin Sci Mol Med

4496. Report on Round Table on renin as a risk factor in hypertension. Clin Sci Mol Med 48 Suppl 2:117s-126s, Jun 75  
ADULT/ AGED/ CORONARY DISEASE, complications/ FEMALE/ HUMAN/ \*HYPERTENSION, complications/ HYPERTENSION, etiology/ HYPERTENSION, metabolism/ MALE/ MIDDLE AGE/ MYOCARDIAL INFARCTION, complications/ \*RENIN, metabolism/ RISK
4497. Report on Round Table on renin suppression and the hypotensive action of beta-adrenergic-blocking drugs. Clin Sci Mol Med 48 Suppl 2:109s-115s, Jun 75  
\*ADRENERGIC BETA RECEPTOR BLOCKADERS, pharmacodynamics/ ADRENERGIC BETA RECEPTOR BLOCKADERS, therapeutic use/ ANIMAL/ DOGS/ HUMAN/ HYPERTENSION, drug therapy/ PROPRANOLOL, pharmacodynamics/ PROPRANOLOL, therapeutic use/ RABBITS/ \*RENIN, physiology

## Eur J Clin Invest

4498. Interlaboratory comparison of radioimmunological parathyroid hormone determination. Eur J Clin Invest 8(3):149-54, Jun 78  
COMPARATIVE STUDY/ HUMAN/ HYPERCALCEMIA, blood/ HYPOPARATHYROIDISM, blood/ \*PARATHYROID HORMONE, blood/ \*RADIOIMMUNOASSAY, standards/ UREMIA, blood

## Fam Plann Perspect

4499. Rheumatoid arthritis: pill users half as likely to develop the disease [news] Fam Plann Perspect 10(4):239-40, Jul-Aug 78  
\*ARTHRITIS, RHEUMATOID, prevention & control/ \*CONTRACEPTIVES, ORAL/ FEMALE/ HUMAN
4500. Pill linked to slight blood pressure rise; minor side effects greater among underweight women [news] Fam Plann Perspect 10(5):300-1, Sep-Oct 78  
\*BLOOD PRESSURE, drug effects/ \*BODY WEIGHT/ CONTRACEPTIVES, ORAL, adverse effects/ \*CONTRACEPTIVES, ORAL, pharmacodynamics/ FEMALE/ HUMAN/ HYPERTENSION, chemically induced

## FDA Drug Bull

4501. New restrictions on oxytocin use. FDA Drug Bull 8(5):30, Oct-Nov 78  
FEMALE/ HUMAN/ \*LABOR, INDUCED/ \*OXYTOCIN, administration & dosage/ PREGNANCY/ UNITED STATES FOOD AND DRUG ADMINISTRATION/ UNITED STATES

## Heart Lung

4502. Hypokalemia—cause and treatment. Heart Lung 7(5):51-5, Sep-Oct 78  
DIURETICS, adverse effects/ ELECTROCARDIOGRAPHY/ HUMAN/ HYPERALDOSTERONISM, diagnosis/ HYPOKALEMIA, chemically induced/ HYPOKALEMIA, diagnosis/ \*HYPOKALEMIA, etiology/ \*HYPOKALEMIA, therapy/ KIDNEY, TUBULES, DISTAL, physiology/ KIDNEY, physiology/ POTASSIUM, metabolism/ POTASSIUM, therapeutic use

## Hosp Pract

4503. Unexplained hyperkalemia may signal renin-aldosterone [news] Hosp Pract 13(6):49, 51, Jun 78  
\*ALDOSTERONE, deficiency/ FEMALE/ HUMAN/ \*HYPERKALEMIA, etiology/ MALE/ MIDDLE AGE/ \*RENIN, deficiency/ SYNDROME
4504. New form of hyperthyroidism transient, best not treated [news] Hosp Pract 13(8):44, 46, 48 passim, Aug 78  
HUMAN/ \*HYPERTHYROIDISM, diagnosis/ HYPERTHYROIDISM, metabolism/ HYPERTHYROIDISM, therapy

## J Biomech

4505. Abstracts of the 1st annual meeting of the American Society of Biomechanics. J Biomech 11(4):209-15, 1978  
ANIMAL/ \*BIOMECHANICS/ BONE AND JOINTS, physiology/ HUMAN/ SOCIETIES, MEDICAL/ UNITED STATES

## J R Coll Gen Pract

4506. Recommendations arising out of the findings by the Royal College of General Practitioners' Oral Contraceptive Users Study. J R Coll Gen Pract 27(184):700, 1978  
ADULT/ AGE FACTORS/ \*CARDIOVASCULAR DISEASES, chemically induced/ \*CONTRACEPTIVES, ORAL, adverse effects/ FEMALE/ HUMAN/ RISK/ SMOKING, complications
4507. Oral contraceptives, venous thrombosis, and varicose veins. Royal College of General Practitioners' Oral Contraceptive Users Study. J R Coll Gen Pract 28(192):393-9, Jul 78  
ADOLESCENCE/ ADULT/ AGE FACTORS/ \*CONTRACEPTIVES, ORAL, adverse effects/ ESTROGENS, SYNTHETIC, adverse effects/ FEMALE/ GREAT BRITAIN/ HUMAN/ MIDDLE AGE/ PROGESTATIONAL HORMONES, SYNTHETIC, adverse effects/ RISK/ \*THROMBOPHLEBITIS, chemically induced/ \*THROMBOPHLEBITIS, occurrence/ \*VARICOSE VEINS, complications

## J Trop Med Hyg

4508. Festschrift in honour of C.A. Hoare on the occasion of his 85th birthday [editorial] J Trop Med Hyg 81(8):147-8, 1978  
\*CONTRACEPTIVES, ORAL, adverse effects/ \*CONTRACEPTIVES, ORAL, HORMONAL, adverse effects/ ESTROGENS, adverse effects/ FEMALE/ HUMAN

## JAMA

4509. New insights into thyroid physiology [news] JAMA 240(17):1833-4, 20 Oct 78  
AUTOANTIBODIES/ GOITER, EXOPHTHALMOS/ HUMAN/ OCULOMOTOR MUSCLES, immunology/ HUMAN/ OCULOMOTOR MUSCLES, immunology/ THYROGLOBULIN, immunology/ THYROID GLAND, immunology/ \*THYROID GLAND, physiology

## Lancet

4510. Treatment of early breast cancer [editorial] Lancet 2(8571):717-8, 30 Sep 78  
BREAST NEOPLASMS, analysis/ \*BREAST NEOPLASMS, therapy/ COMPARATIVE STUDIES/ EVALUATION STUDIES/ FEMALE/ HUMAN/ LYMPHATIC METASTASIS/ METHODS/ PROGNOSIS/ RECEPTORS, ESTROGEN, and ANDROGEN/ RECEPTORS, PROGESTERONE, analysis/ TUMORS, FACTORS



## AUTHOR SECTION

511. Kinins and blood-pressure [editorial] *Lancet* 2(8091):663-5, 23 Sep 78  
 \*BLOOD PRESSURE/ BRADYKININ, physiology/  
 ENZYME ACTIVATION/ HUMAN/  
 \*HYPERTENSION, etiology/ HYPERTENSION,  
 physiopathology/ KALLIKREIN, physiology/  
 \*KININS, physiology/ RENIN, physiology/  
 VASOCONSTRICTOR AGENTS
  512. Management of hypercalcaemic crisis [editorial] *Lancet* 2(8090):617-8, 16 Sep 78  
 CALCITONIN, therapeutic use/ COMPARATIVE  
 STUDY/ DRUG EVALUATION/ HUMAN/  
 \*HYPERCALCEMIA, drug therapy/  
 HYPERCALCEMIA, etiology/  
 HYPERPARATHYROIDISM, complications/  
 MITHRAMYCIN, therapeutic use/ NEOPLASMS,  
 complications
  513. Chromosomes and leukaemia [editorial] *Lancet* 2(8094):823-4, 14 Oct 78  
 \*CHROMOSOMES, HUMAN, 13-15/  
 \*CHROMOSOMES, HUMAN, 16-18/  
 \*CHROMOSOMES, HUMAN, 21-22/  
 \*CHROMOSOMES, HUMAN, 6-12/ HUMAN/  
 KARYOTYPING/ \*LEUKEMIA, MYELOBLASTIC,  
 familial & genetic/ \*LEUKEMIA, MYELOCYTIC,  
 familial & genetic/ MALE/ SEX CHROMOSOME  
 ABNORMALITIES, familial & genetic/  
 \*TRANSLOCATION (GENETICS)/ Y  
 CHROMOSOME
  514. Enkephalins: the search for a functional role [editorial] *Lancet* 2(8094):819-20, 14 Oct 78  
 \*ENDORPHINS, physiology/ \*ENKEPHALINS,  
 physiology/ HUMAN/ NALOXONE, therapeutic use/  
 NOCICEPTORS, drug effects/ NOCICEPTORS,  
 physiopathology/ PAIN, physiopathology/  
 PSYCHOSES, MANIC-DEPRESSIVE, drug therapy/  
 PSYCHOSES, MANIC-DEPRESSIVE, etiology/  
 SCHIZOPHRENIA, drug therapy/  
 SCHIZOPHRENIA, etiology
  515. Prostacyclin and coronary vasodilation. *Nutr Rev* 36(7):222-3, Jul 78  
 ARACHIDONIC ACIDS, pharmacodynamics/  
 CORONARY CIRCULATION, drug effects/  
 \*CORONARY VESSELS, drug effects/  
 \*PROSTAGLANDINS X, pharmacodynamics/  
 \*PROSTAGLANDINS, pharmacodynamics/  
 VASCULAR RESISTANCE, drug effects
  516. Calcium and vitamin D intake of lead-burdened children. *Nutr Rev* 36(7):212-3, Jul 78  
 \*CALCIUM, deficiency/ CHILD/ CHILD,  
 PRESCHOOL/ \*DEFICIENCY DISEASES,  
 complications/ FEMALE/ HUMAN/ INFANT/  
 \*LEAD POISONING, complications/ MALE/  
 \*VITAMIN D DEFICIENCY, complications
  517. Effects of insulin on glucagon action in rat liver. *Nutr Rev* 36(8):260-2, Aug 78  
 ADENYL CYCLASE, metabolism/ ANIMAL/  
 \*DIABETES MELLITUS, metabolism/  
 \*GLUCAGON, metabolism/ \*INSULIN, physiology/  
 \*LIVER, metabolism/ PROTEIN BINDING/ RATS
  518. American Academy of Pediatrics. Committee on Drugs. Treatment of congenital hypothyroidism. *Pediatrics* 62(3):413-7, Sep 78  
 DRUG INTERACTIONS/ FEMALE/ HUMAN/  
 \*HYPOTHYROIDISM, congenital/  
 HYPOTHYROIDISM, diagnosis/  
 HYPOTHYROIDISM, drug therapy/ INFANT,  
 NEWBORN/ MASS SCREENING/ PEDIATRICS/  
 PREGNANCY/ SOCIETIES, MEDICAL/ THYROID  
 GLAND, physiology/ \*THYROID HORMONES,  
 therapeutic use/ THYROTROPIN, administration &  
 dosage/ THYROTROPIN, therapeutic use/  
 THYROXINE, administration & dosage/  
 THYROXINE, therapeutic use/ UNITED STATES
  519. Transport of pituitary hormones into the cerebrospinal fluid in women. *Res Reprod* 10(4):1, Jul 78  
 BIOLOGICAL TRANSPORT/ CORTICOTROPIN,  
 cerebrospinal fluid/ FEMALE/ GONADOTROPINS,  
 CHORIONIC, cerebrospinal fluid/ HUMAN/  
 \*PITUITARY HORMONES, cerebrospinal fluid/  
 PLACENTAL LACTOGEN, cerebrospinal fluid/  
 PROLACTIN, cerebrospinal fluid
  4520. Site of action of oestrogens in controlling the release of LH and FSH in the rhesus monkey. *Res Reprod* 10(4):4, Jul 78  
 ANIMAL/ \*ESTROGENS, pharmacodynamics/  
 FEMALE/ \*FSH, metabolism/ \*LH, metabolism/  
 LH-FSH RELEASING HORMONE, metabolism/  
 MONKEYS/ RHESUS MONKEYS
- S Afr Med J**
4521. Food fortification in South Africa. Report of a Medical Research Council project group. *S Afr Med J* 53(19):744-50, 13 May 78  
 ANEMIA, HYPOCHROMIC, diet therapy/ CORN/  
 FOLIC ACID DEFICIENCY, diet therapy/ \*FOOD,  
 FORTIFIED/ HUMAN/ IODINE, deficiency/ MILK/  
 NICOTINIC ACIDS, therapeutic use/ NUTRITION  
 SURVEYS/ PELLAGRA, drug therapy/  
 PROTEIN-CALORIE MALNUTRITION, diet  
 therapy/ RIBOFLAVIN DEFICIENCY, diet therapy/  
 RICKETS, diet therapy/ SOUTH AFRICA/ SOY  
 BEANS/ THIAMINE DEFICIENCY, diet therapy/  
 VITAMIN A DEFICIENCY, diet therapy
- Scand J Gastroenterol [Suppl]**
4522. The 2nd International Symposium on Gastrointestinal Hormones. August 30th--September 2nd 1978 Beito Mountain Hospital, Valdres, Norway.  
*Scand J Gastroenterol [Suppl]* 13(49):1-200, 1978  
 ANIMAL/ CONGRESSES/ ENDOCRINE  
 DISEASES/ ENTEROGLUCAGON, physiology/  
 GASTRIC INHIBITORY POLYPEPTIDE,  
 physiology/ GASTRIC JUICE, secretion/ GASTRINS,  
 physiology/ \*GASTROINTESTINAL HORMONES/  
 GASTROINTESTINAL HORMONES, physiology/  
 GASTROINTESTINAL MOTILITY/ HISTAMINE,  
 physiology/ HUMAN/ INSULIN, secretion/  
 MOTILIN, physiology/ NEOPLASMS/  
 NEUROHUMORS, physiology/ PANCREATIC  
 HORMONES, physiology/ PANCREATIC JUICE,  
 secretion/ PANCREATIC POLYPEPTIDE,  
 physiology/ SECRETIN, physiology/  
 SOMATOTROPIN RELEASE INHIBITING  
 HORMONE, physiology/ VASOACTIVE  
 INTESTINAL PEPTIDE, physiology
- Verh Dtsch Ges Rheumatol**
4523. Rundtischgespräch: 'Fingerpolyarthrose'.  
*Verh Dtsch Ges Rheumatol* 5:336-42, 1978 (Ger)  
 AGED/ FEMALE/ \*FINGER JOINT/ FINGER  
 JOINT, blood supply/ FINGER JOINT, radiography/  
 HUMAN/ MALE/ MIDDLE AGE/  
 \*OSTEOARTHROPATHY, PRIMARY  
 HYPERTROPHIC/ PARESTHESIA, etiology/  
 PROGESTERONE, therapeutic use/ TRIBENOSIDE,  
 therapeutic use

مجله علمی و فرهنگی



# SUBJECT INDEX

## A

- 187, 392, 401, 721, 949, 1563, 2794, 2881, 49, 3317  
 DOMEN: 58, 722, 1015, 1309, 3499, 3607, 404, 4048  
 DOMEN, ACUTE: 3267  
 DOMINAL NEOPLASMS: 1360, 3865, 4058  
 DOMINAL WALL: 58, 1328, 1439, 2921, 72, 4341, 4418  
 DOMINANT: 110, 842, 1646, 1945, 3117  
 DOMINANT, DRUG-INDUCED: 493, 306, 3323, 3417, 3981  
 DOMINANT, MULTIPLE: 58, 339, 617, 2, 1066, 1328, 1439, 1689, 2923, 3126, 3272, 23, 3378, 3567, 4095, 4123, 4341, 4372, 4418  
 DOMINANT AGENTS: 14, 2572, 3277  
 DOMINANT AGENTS, NON-STEROIDAL: 2572  
 DOMINANT AGENTS, STEROIDAL: 2572  
 DOMINANT: 541, 1983, 2261, 2726, 3323, 3417  
 DOMINANT, INDUCED: 192, 1532, 1945, 1983, 50, 2573, 3050, 3277, 3323, 3334, 3588  
 DOMINANT, LEGAL: 541  
 DOMINANT, MISSED: 3588, 4450  
 DOMINANT, THERAPEUTIC: 2763, 3012  
 DOMINANT, THREATENED: 674, 1358, 2053, 85, 3176, 4183, 4450  
 DOMINANT, VETERINARY: 3665, 4041, 4262  
 DOMINANT: 567, 1015, 4004  
 DOMINANT: 14, 568, 1932, 2001, 3286, 3351, 32, 3783, 4227, 4459  
 DOMINANT: 3443  
 DOMINANT NIGRICANS: 3865  
 DOMINANT: 1268  
 DOMINANT: 3336  
 DOMINANT, OCCUPATIONAL: 496, 3323  
 DOMINANTIZATION: 765, 960, 1237, 1697, 23, 3707, 3027, 3892, 3933, 4208  
 DOMINANT: 1341, 1524, 3657  
 DOMINANT: 1140, 4457  
 DOMINANT: 1641, 1914, 2071, 2080, 2776, 4470  
 DOMINANT: 520, 3640  
 DOMINANT ACIDS: 1991, 2764  
 DOMINANT: 1914  
 DOMINANT: 2089, 2800  
 DOMINANT COA ACETYLTRANSFERASE: 1201, 1387  
 DOMINANT COENZYME A SYNTHETASE: 1201, 1387  
 DOMINANT: 480  
 DOMINANT: 52, 96, 186, 335, 380, 732, 93, 931, 1032, 1370, 1409, 1480, 1641, 1645, 96, 1741, 1916, 2091-2092, 2122, 2135, 2224, 36, 2328, 2415, 2471, 2877, 2919, 3239, 3280, 32, 3448, 3634, 3759, 3808, 4007, 4081, 4138, 11, 4402, 4416, 4425, 4444  
 DOMINANT: 625, 878, 1028, 72, 1741, 3325, 4236  
 DOMINANT: 487, 898, 11, 3503  
 DOMINANT: 1497, 2240-2241, 41  
 DOMINANT: 90, 480, 612, 4230  
 DOMINANT: 1305, 2170  
 DOMINANT: 1753, 2766, 4095  
 DOMINANT EQUILIBRIUM: 1435, 2114, 2390, 32, 4255  
 DOMINANT: 487, 898, 996, 1613, 29, 2233, 2674, 2681, 3084-3085, 3335, 4106, 83  
 DOMINANT: 98, 692, 1171, 2003, 2038  
 DOMINANT, DIABETIC: 2114  
 DOMINANT, RENAL TUBULAR: 20, 1856, 3478  
 DOMINANT, RESPIRATORY: 98  
 DOMINANT: 643, 829, 2037, 2750, 3707, 3727, 3871  
 DOMINANT HYDRATASE: 3765  
 DOMINANT NERVE DISEASES: 2551  
 DOMINANT STIMULATION: 2051  
 DOMINANT: 3050  
 DOMINANT: 344, 731, 877, 1544, 1559, 1710, 59, 2000, 2056-2057, 2278, 2627, 2722, 2760, 55, 2941, 3145, 3213, 3421, 4284  
 DOMINANT RESINS: 4458  
 DOMINANT: 3492  
 DOMINANT: 2391  
 ACTIN: 1711, 4340  
 ACTINOMYCETACEAE: 1103  
 ACTINOMYCETALES: 1510  
 ACTINOMYCIN: 1059, 2865, 3065  
 ACTION POTENTIALS: 380, 442, 576, 934, 1012, 1046, 1128, 1189, 1267, 1480, 1555, 1727, 2003, 2135, 2402, 2442, 2471, 2522, 2938, 2973, 3066, 3098, 3132, 3280, 3731, 3900, 3973, 4090, 4138, 4371, 4421  
 ACTIVITIES OF DAILY LIVING: 1731  
 ACTIVITY CYCLES: 1640, 2715  
 ACTOMYOSIN: 1659, 4040  
 ACUPUNCTURE: 4271  
 ACUTE DISEASE: 217, 536, 572, 665, 700, 775, 816, 886, 1019, 1140, 1152, 1362, 1407, 1571, 1593, 1663, 1667, 1680, 1777, 1787, 1894, 1933, 1962, 2185, 2441, 2615, 2636, 2661, 2862, 2950, 2953, 3414, 3431, 3605, 3764, 4059, 4158, 4260  
 ADAPTATION, PHYSIOLOGICAL: 101, 119, 146, 314, 441, 495, 530, 1729, 1762, 2495, 2899, 3607, 4002, 4342  
 ADAPTATION, PSYCHOLOGICAL: 2779, 3864  
 ADDISON'S DISEASE: 430, 753, 941, 1683, 2901, 3003, 3041, 3921, 4392, 4475  
 ADENINE: 453, 620, 1004, 2795  
 ADENINE NUCLEOTIDES: 263, 1384, 1755, 1821, 2230, 3017, 3823  
 ADENINE PHOSPHORIBOSYLTRANSFERASE: 2780  
 ADENOCARCINOMA: 81, 92, 177, 285, 525, 578, 757, 769, 1078, 1082, 1230, 1245, 1308, 1375, 1474, 1542, 1562, 1673, 1835, 1841, 1865, 1994, 2585, 2587, 2606, 2643, 2801, 2896, 3078, 3221, 3360, 3408, 3472, 3486, 3508, 3536, 3584, 3703, 3728, 3865, 3997, 4032, 4184, 4426, 4453, 4455  
 ADENOCARCINOMA, PAPILLARY: 120, 2880, 2932  
 ADENOFIBROMA: 1971, 3501, 3700  
 ADENOIDS: 2147  
 ADENOLYMPHOMA: 3457  
 ADENOMA: 103, 177, 343, 397, 469, 475, 494, 712, 790, 867, 917, 1116, 1272, 1302, 1558, 1724, 1806-1807, 1952, 1985, 2002, 2055, 2196, 2264, 2270, 2278, 2382, 2422, 2482, 2515, 2606, 2677, 2717, 2854, 2896, 2963, 3059, 3145, 3221, 3457, 3460, 3531, 3551, 3972, 4011, 4042, 4058, 4146, 4171, 4181-4182, 4208  
 ADENOMA, BASOPHILIC: 1287  
 ADENOMA, CHROMOPHOBE: 629, 1287, 1557, 2491, 2515, 2854  
 ADENOMA, EOSINOPHILIC: 629, 1287, 1544, 1710, 2515, 3421  
 ADENOMA, VIRILIZING: 372, 1026  
 ADENOMATOSIS, FAMILIAL ENDOCRINE: 4269  
 ADENOSINE: 446, 785, 1802, 3496, 3838, 3918, 4056, 4239, 4360, 4468  
 ADENOSINE CYCLIC-3',5'-MONOPHOSPHATE: 17, 34, 52, 127, 132, 144, 186, 216, 230, 237, 288, 303, 333, 341, 348, 370, 373, 401, 407, 415, 458, 484, 608, 653, 657, 692, 699, 701, 749, 785, 805, 866, 879, 889, 915, 930, 976, 1001, 1008-1010, 1013, 1025, 1034, 1081, 1087, 1090, 1104, 1114, 1125, 1134, 1163, 1216, 1228, 1230-1231, 1257, 1264, 1300, 1317-1318, 1341, 1353, 1364, 1370, 1390, 1404-1405, 1422, 1438, 1479, 1485, 1494, 1511, 1546, 1563-1564, 1578, 1604, 1613, 1659, 1668, 1736, 1758, 1772, 1802, 1897, 1933, 1966, 2005, 2085, 2097, 2155, 2162, 2167, 2173, 2176, 2182, 2184, 2188, 2204, 2219, 2225, 2253, 2268, 2303, 2329, 2353, 2357, 2401, 2415, 2432, 2459, 2476, 2490, 2524, 2528, 2541, 2547, 2552, 2561, 2563, 2601, 2606, 2630, 2637, 2641, 2651, 2673, 2686, 2794, 2797, 2853, 2859, 2867, 2914, 2928, 2930, 2954-2955, 3005, 3022, 3042, 3061, 3063, 3069, 3076, 3095, 3097-3098, 3178, 3217, 3263, 3268-3269, 3278, 3281, 3300, 3325, 3353, 3366, 3377, 3405, 3409, 3471, 3479, 3488, 3496, 3583, 3603, 3628, 3640, 3668, 3692, 3711, 3742, 3804, 3844, 3867, 3874, 3924, 3950, 3953, 3987, 4009-4010, 4040, 4062, 4072, 4079-4080, 4082, 4084, 4096, 4104, 4136, 4195, 4227-4228, 4239, 4248, 4252, 4256, 4259, 4294, 4296-4297, 4312, 4343, 4360, 4367, 4396, 4401, 4412, 4436, 4443, 4448, 4457, 4461, 4468, 4487  
 ADENOSINE DEAMINASE: 1167  
 ADENOSINE DIPHOSPHATE: 446, 489, 500, 545, 1384, 1514, 2071, 2994, 3060, 3533, 3671, 3918, 3959, 4259, 4406  
 ADENOSINE DIPHOSPHATE SUGARS: 2816  
 ADENOSINE MONOPHOSPHATE: 500, 1791, 2071  
 ADENOSINE TRIPHOSPHATASE: 118, 174, 204, 323, 1038, 1758, 1769, 1813, 1830, 2065, 2109, 2991, 3197, 3631, 3672-3673, 3692, 3917, 4049, 4109, 4281, 4367  
 ADENOSINE TRIPHOSPHATASE, CALCIUM: 155, 393, 608, 840, 2005, 2610, 3192, 3279, 3306, 3561  
 ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM: 2071, 3192, 3692, 4081, 4109, 4397-4398  
 ADENOSINE TRIPHOSPHATE: 196, 391-392, 446, 500, 608, 864, 895, 1171, 1202, 1230, 1422, 1621, 1659, 1758, 1781, 1966, 2003, 2035, 2070-2071, 2085, 2224, 2286, 2452, 2610, 2637, 2644, 2818, 3301, 3331, 3561, 3577, 3807, 3823, 3916, 3924, 4040, 4063-4064, 4112, 4259, 4343, 4367, 4406  
 S-ADENOSYLHOMOCYSTEINE: 1282, 2511, 4014  
 S-ADENOSYLMETHIONINE: 1497, 2511, 3904  
 ADENYL CYCLASE: 12, 33-34, 90, 144, 155, 179, 361, 367, 373-376, 600, 633, 646, 734, 805, 840, 889, 930, 980, 1013-1014, 1020, 1096, 1202, 1228, 1264, 1317, 1344, 1400, 1484, 1524, 1563, 1623, 1704, 1791-1792, 1896, 1905, 1917, 2030-2031, 2173, 2184, 2353, 2357, 2394, 2598, 2606, 2651, 2746, 2797, 2816, 2867, 2876, 2908, 2933, 3056, 3063, 3069, 3095-3097, 3268, 3300, 3377, 3409, 3412, 3563, 3577, 3602, 3648, 3669, 3692, 3830, 3908, 3947, 3950, 4000, 4019, 4035, 4055-4056, 4063-4065, 4079, 4113, 4124, 4229, 4256, 4259, 4312, 4369, 4401, 4432, 4436, 4481, 4517  
 ADENYLATE KINASE: 811, 2230  
 ADENYLOSUCCINATE LYASE: 482  
 ADENYLYL IMIDODIPHOSPHATE: 2614, 3577, 4064-4065  
 ADHESIONS: 4, 447  
 ADHESIVES: 3443  
 ADIPOSE TISSUE: 18, 119, 144, 206, 402, 426, 496, 1071, 1167, 1459, 1656, 1831, 1966, 2063, 2353, 2364, 2639, 3061, 3397, 3439, 3623, 4063-4065, 4448  
 ADJUVANTS, IMMUNOLOGIC: 1216  
 ADMINISTRATION, INTRANASAL: 1042, 1413, 1743, 2165, 3019, 3989  
 ADMINISTRATION, ORAL: 14, 73, 529, 713, 871, 967, 1161, 1188, 1812, 1878, 1932, 2045, 2049, 2087, 2742, 2890, 3046, 3163, 3433, 3460, 3664, 3676, 3707, 3786, 4012, 4106, 4146, 4289  
 ADMINISTRATION, TOPICAL: 31, 1854, 2419, 2565, 3019, 3419, 3423  
 ADNEXA UTERI: 1971  
 ADNEXAL DISEASES: 1359, 3327  
 ADNEXITIS: 841, 2293, 3417  
 ADOLESCENCE: 35, 38-39, 49, 65, 75-76, 85, 94, 108, 123, 128, 143, 154, 185, 227-228, 279, 295-296, 299, 302-303, 315, 339, 383, 400, 412, 417, 421, 431, 441, 475, 496, 521, 531, 536, 558, 571, 597, 599, 607, 617, 643, 677, 683, 691, 698, 700, 753, 789, 798, 829-830, 844, 846, 871, 884, 910, 917-918, 921, 954, 993, 999-1000, 1022, 1026, 1033, 1042, 1074, 1090, 1097, 1117, 1127, 1130, 1133, 1149, 1151-1152, 1175-1177, 1183, 1186, 1200, 1211, 1223, 1227, 1246, 1249, 1284, 1286, 1291, 1293-1294, 1296, 1299, 1301, 1336-1337, 1358, 1377, 1416, 1430-1431, 1454, 1456, 1476, 1481, 1483, 1493, 1523, 1536, 1546, 1552, 1556, 1560, 1577, 1579-1580, 1584-1585, 1593, 1622, 1636, 1663, 1687, 1695, 1718, 1723, 1737, 1743-1744, 1747, 1750, 1774, 1777, 1779, 1782, 1787, 1800, 1812, 1817, 1866, 1873, 1879, 1881, 1889, 1901, 1927, 1932, 1940, 1950, 1970, 1977-1978, 1981, 1988, 1992, 2002, 2009, 2021, 2029, 2037, 2048-2049, 2055-2056, 2064, 2072, 2081, 2099, 2105-2106, 2110, 2114, 2126, 2128, 2146, 2168, 2172, 2180, 2183, 2196, 2198, 2207, 2212, 2215, 2236-2237, 2258, 2260, 2274-2275, 2279, 2295, 2307, 2317, 2327, 2340-2341, 2351, 2355, 2371, 2386, 2408, 2411, 2413, 2426, 2444, 2446, 2462, 2477, 2485, 2496, 2515-2516, 2544, 2555, 2572, 2591, 2595-2596, 2607, 2633, 2652, 2654, 2658, 2660, 2685, 2701, 2713, 2749, 2767, 2779, 2781, 2792, 2813, 2815, 2828, 2838, 2861, 2878, 2899, 2903, 2923, 2943, 2968, 3034-3036, 3038, 3072, 3080, 3088, 3090, 3102, 3130, 3168,



# SUBJECT INDEX

3174, 3184-3185, 3189, 3200, 3204, 3206, 3209, 3237, 3244-3245, 3250, 3256, 3267, 3289, 3299, 3323, 3339-3340, 3378, 3384, 3393, 3402, 3417, 3437, 3447, 3449, 3475, 3497-3498, 3514, 3519, 3558, 3588, 3597, 3606, 3613, 3635, 3643, 3666, 3671, 3688-3691, 3694, 3706-3707, 3721, 3728, 3764, 3766-3767, 3769, 3782, 3795, 3808, 3814, 3816, 3821, 3825, 3849, 3856, 3865-3866, 3871-3872, 3875, 3893-3895, 3923, 3931, 3937, 3942, 3958, 3962, 3974, 3989, 4028, 4032, 4036-4037, 4052, 4071, 4078, 4093, 4100, 4108, 4116, 4123, 4137, 4153, 4163-4164, 4173, 4189, 4191, 4201, 4205, 4214, 4220-4221, 4231, 4238, 4241, 4257, 4272, 4323, 4344, 4355, 4359, 4382, 4384, 4408, 4417, 4433, 4438, 4452, 4462, 4482, 4491, 4507

ADOSTEROL: 284, 508, 1486, 2879

ADRENAL CORTEX: 337, 484, 517, 812, 853, 917, 953, 977, 1021, 1085, 1261, 1269, 1303, 1348, 1426, 1528, 1601, 1618, 1691, 1825, 2081, 2155, 2313, 2535, 2558, 2567, 2581, 2650, 2666, 2737, 2759, 2797, 2851, 2881, 2914, 3082, 3130, 3143, 3250, 3294, 3442, 3530, 3543, 3655, 3678, 3709, 3766, 3776, 3863, 3908, 3928, 3944-3945, 3954, 3977-3978, 4006, 4127, 4194, 4270, 4283, 4377, 4465

ADRENAL CORTEX DISEASES: 3245

ADRENAL CORTEX FUNCTION TESTS: 909, 2554, 2571

ADRENAL CORTEX HORMONES: 29, 31, 49, 76, 83, 128, 163, 207, 232, 236, 275, 317, 328, 484, 517, 571, 607, 623, 643, 672, 853, 870, 901, 961, 967, 1062, 1070, 1148, 1184, 1213, 1239, 1265, 1286, 1311, 1383, 1459, 1483, 1579, 1657, 1702, 1705, 1797, 1816, 1838, 1854, 1883, 1935, 2007, 2046, 2095, 2115, 2155, 2183, 2185, 2190, 2192, 2196, 2313, 2330, 2336, 2348, 2360, 2399, 2439, 2470, 2481, 2486, 2494, 2652, 2663, 2676, 2701, 2718, 2846, 2882, 2914, 2937, 3015, 3113, 3127, 3166, 3241, 3260, 3290, 3295, 3304, 3328, 3391, 3440, 3444, 3530, 3605, 3614, 3644, 3775, 3786, 3792, 3851, 3853, 3864, 3872, 3906, 3939, 4021, 4074, 4120, 4196, 4198, 4202, 4257, 4283, 4285, 4347, 4370, 4381, 4482

ADRENAL CORTEX NEOPLASMS: 92, 343, 917, 1026, 1253, 1442, 1724, 2650, 2677

ADRENAL GLAND DISEASES: 284, 372, 753, 1486, 1611, 1745, 2149, 2409, 4480

ADRENAL GLAND HYPERFUNCTION: 372, 1084, 1988, 2332, 2356, 2750, 4088, 4191, 4202, 4427

ADRENAL GLAND HYPOFUNCTION: 268, 572, 870, 986, 1024, 1745, 3245, 4025, 4308

ADRENAL GLAND NEOPLASMS: 219, 284, 640, 753, 792, 847, 1059, 1258, 1360, 1454, 1482, 1604, 1724, 1858, 1865, 1880, 1988, 2038, 2105, 2284, 2436, 2444, 2451, 2597, 2717, 2769, 2772, 2862, 2878, 3020, 3404, 3481, 3499, 3527, 3564, 3866, 4058, 4128, 4137, 4182, 4265, 4355, 4389, 4454

ADRENAL GLANDS: 22, 32, 41, 47, 82, 156, 163, 170, 319, 334, 337, 360, 387, 508, 547, 563, 687, 694, 748, 852, 855, 859, 933, 989, 1024, 1075, 1085, 1137, 1178, 1188, 1277, 1282, 1309, 1355, 1396, 1403, 1433, 1471-1472, 1550, 1691, 1696, 1716, 1745, 1755, 1760, 1846, 1902, 1961, 2001, 2049, 2066, 2118, 2171, 2173, 2209, 2242, 2313, 2441, 2513, 2551, 2558, 2878, 2882, 2899, 3056, 3135, 3238, 3270, 3283, 3394, 3499, 3507, 3511, 3527, 3573, 3698, 3702, 3840, 3886, 3932, 3935, 4048, 4103, 4119, 4126, 4157, 4191, 4196-4198, 4243, 4342, 4387, 4402, 4409, 4428

ADRENAL MEDULLA: 443, 449, 616, 864, 1085, 1691, 1724, 1944, 2105, 2116, 2363, 2468, 2571, 2877, 3094, 3147, 3481, 3929, 4355, 4389, 4404

ADRENALECTOMY: 46, 82, 84, 170, 188, 191, 264, 405, 473, 572, 585, 718, 852, 870, 917, 953, 1039, 1139, 1167, 1251, 1348, 1467, 1550, 1602, 1729, 1783, 1788, 1816, 1834, 1846, 1871, 1954, 1960, 2046, 2132, 2205, 2274, 2490, 2494, 2508, 2731, 2733, 2796, 2847, 2890, 3151, 3238, 3245, 3248, 3326, 3452, 3507, 3676, 3694, 3726, 4206, 4354

ADRENERGIC ALPHA RECEPTOR

AGONISTS: 1596, 1759, 1784, 3069

ADRENERGIC ALPHA RECEPTOR

BLOCKADERS: 640, 1596, 1759, 1784, 2339, 2848, 2877, 2954, 3020, 3177, 4183

ADRENERGIC BETA RECEPTOR

AGONISTS: 375-376, 484, 696, 789, 2459, 4183

ADRENERGIC BETA RECEPTOR

BLOCKADERS: 259, 375-376, 428, 528, 537-538, 1596, 1759, 2195, 2250, 2338, 2459, 3103, 3354, 3668, 3948, 4177, 4277, 4497

ADRENERGIC FIBERS: 797, 1428, 2469, 2640, 2998, 3511, 4103

ADRENOGENITAL SYNDROME: 421, 1367, 1388, 2009, 3130

ADSORPTION: 3878, 4211

ADULT: 1, 11, 14-15, 20-21, 35, 38, 45, 49, 56, 59, 61, 63, 65, 69, 71, 75, 79, 85, 94, 107-109, 117-118, 122-123, 128, 136, 149-150, 154, 158, 162, 168, 172, 185, 212, 214, 219-222, 224, 234, 241-242, 253, 269, 271, 278-279, 285, 295-297, 299, 305-306, 309-310, 315, 325, 328-331, 351, 359, 364, 372, 379, 381, 386, 400, 412, 417, 419, 421, 429-430, 438, 441, 455, 463, 475-476, 479, 496, 511, 513, 525, 528-529, 531, 536-537, 542, 558, 560, 571, 578, 580, 584, 588, 596-597, 603-606, 611, 615, 629, 635, 637, 640, 642-643, 649, 663, 665, 667, 673, 677, 681-682, 691, 703, 707, 710, 714, 719-720, 729, 731, 750, 766, 769-770, 792, 798, 809, 825, 829-830, 834, 836, 841, 844, 846, 849, 871, 880, 884, 891, 908, 917-918, 921, 923, 941, 944, 954, 963, 966, 974-975, 978-979, 981, 984-986, 993, 997, 999-1000, 1003, 1019, 1021-1023, 1031, 1043, 1051, 1058, 1060, 1066, 1070, 1074, 1076, 1078, 1088, 1090, 1097, 1108, 1127, 1131, 1133, 1148, 1151-1153, 1159, 1161-1162, 1170, 1175, 1177, 1180, 1186-1187, 1199, 1205, 1211, 1214, 1223, 1237, 1240, 1242, 1246, 1249, 1252, 1261, 1273, 1277, 1284, 1297, 1299, 1302, 1304, 1306, 1308, 1312, 1316, 1321, 1324, 1332, 1336-1337, 1345, 1353-1354, 1356, 1358, 1362, 1376-1377, 1381, 1388-1389, 1391, 1398, 1407-1408, 1416, 1423, 1427, 1431, 1433, 1454, 1456, 1471-1474, 1481, 1483, 1489-1490, 1493, 1496, 1501, 1515, 1523, 1532, 1534, 1536, 1539, 1546, 1552-1553, 1559-1560, 1567, 1571, 1577, 1579-1580, 1585, 1592-1593, 1600, 1605-1606, 1611, 1616, 1638, 1643, 1646, 1652-1655, 1658, 1660, 1663, 1674, 1686, 1692, 1695, 1723, 1725, 1730, 1732-1733, 1737, 1740, 1743-1745, 1747, 1749-1750, 1754, 1773, 1776-1777, 1782, 1800, 1804, 1810, 1812, 1815, 1817, 1819, 1825, 1832, 1837, 1842, 1845, 1854, 1857-1858, 1860, 1866, 1873, 1878-1879, 1885, 1887-1890, 1911, 1921, 1927-1932, 1937, 1943, 1957-1959, 1961-1963, 1969-1971, 1978, 1981, 1985, 1988, 1992, 2002, 2014, 2019, 2021, 2028-2029, 2037-2038, 2045, 2049, 2056-2057, 2064, 2072, 2076-2077, 2081, 2103, 2106, 2111, 2126, 2137-2138, 2140, 2144, 2147, 2149-2150, 2157-2160, 2163, 2168, 2172, 2180, 2187, 2190, 2196, 2198, 2203, 2212-2213, 2216, 2237, 2251, 2255, 2260, 2263, 2270, 2275, 2280, 2284, 2296, 2298-2300, 2302, 2306, 2317-2318, 2332, 2336, 2340-2341, 2351, 2355, 2369, 2371, 2383, 2386, 2388, 2411, 2413, 2417, 2419, 2422, 2426, 2433, 2436, 2443-2444, 2446, 2457-2458, 2462, 2466, 2470, 2475, 2477-2478, 2489, 2491, 2496-2497, 2506, 2515-2516, 2520, 2533, 2536, 2538, 2544, 2550-2551, 2555, 2559, 2571-2572, 2576, 2579, 2584, 2587, 2591-2592, 2596-2597, 2607, 2611, 2613, 2615, 2617-2619, 2627, 2633, 2652-2654, 2657, 2660-2663, 2667, 2685-2686, 2701, 2711, 2713, 2717, 2727, 2736, 2738, 2741, 2743, 2749, 2763, 2766-2768, 2774, 2779, 2781, 2792, 2799, 2801, 2803, 2806, 2813, 2815, 2820, 2824-2826, 2828, 2838, 2840, 2847, 2850, 2854-2855, 2858, 2861-2862, 2868, 2873, 2879-2880, 2885, 2888, 2891-2892, 2899, 2903, 2905, 2915, 2923, 2934, 2947, 2951, 2953, 2962-2963, 2966, 2968, 2981, 2995, 3010, 3012, 3027, 3029, 3032-3033, 3036-3038, 3045, 3047, 3054, 3057, 3062, 3068, 3072, 3078, 3080, 3088, 3090, 3101-3102, 3107, 3119, 3122-3123, 3141, 3145, 3153, 3157, 3163-3164, 3166, 3172, 3175, 3184-3185, 3189-3190, 3204-3206, 3209, 3225, 3229, 3237, 3245, 3250, 3256-3257, 3265, 3267, 3276, 3287-3288, 3290, 3299, 3329, 3323, 3325, 3328, 3339-3340, 3345, 3350-3351, 3363, 3374, 3378, 3384, 3386, 3392, 3395, 3397, 3402, 3408, 3417, 3421, 3424, 3431, 3440, 3444, 3446-3447, 3453-3454, 3462, 3473-3475, 3478, 3489-3490, 3492, 3494, 3497-3498, 3500-3501, 3505-3506, 3513, 3519, 3522, 3524, 3531-3532, 3545, 3547-3548, 3550, 3552, 3557, 3561, 3564, 3575, 3578, 3582, 3584, 3588-3589, 3596-3598, 3600,

3606, 3613, 3629, 3633, 3635, 3639, 3643, 3647, 3659, 3671, 3681, 3683, 3685, 3688-3689, 3693-3694, 3697-3698, 3704, 3707, 3721, 3727, 3737, 3763-3764, 3766-3767, 3776, 3782-3783, 3785, 3787, 3793, 3795, 3811, 3814, 3816, 3824-3825, 3834, 3849-3850, 3854-3856, 3861, 3864-3865, 3875, 3877, 3892, 3894, 3909-3913, 3923, 3926, 3936-3937, 3940-3941, 3957-3960, 3962-3963, 3965, 3972, 3976-3977, 3983, 3988-3989, 3996, 4001, 4011-4012, 4017, 4021, 4028, 4032, 4037, 4042-4043, 4048, 4052, 4054, 4057-4058, 4068-4069, 4078, 4097-4098, 4116, 4123, 4134, 4137, 4139, 4143, 4158, 4160, 4161, 4173-4174, 4180-4181, 4185, 4189, 4191, 4201, 4221, 4231-4232, 4241, 4246-4247, 4253, 4257, 4284, 4291, 4323, 4325, 4330, 4332, 4335, 4342, 4344, 4346, 4356, 4370, 4378, 4381, 4383, 4403, 4407-4408, 4417, 4420, 4422, 4431, 4433, 4442, 4449-4455, 4462, 4466, 4480, 4482, 4496, 4506-4507

AEDES: 2588

AEQUORIN: 196

AEROBIOISIS: 721, 3178

AEROSOLS: 615, 1042, 1079, 1413, 2049, 3647

AFFECTIVE DISTURBANCES: 3996

AFFERENT PATHWAYS: 852, 1124, 1540, 1960, 1997-1998, 2938, 2998, 3434

AFFINITY LABELS: 1113

AFLATOXINS: 316, 2906, 2991, 4280

AGAMMAGLOBULINEMIA: 3041, 3706

AGAR: 1562

AGE DETERMINATION BY SKELETON: 3893

AGE FACTORS: 49, 100, 138, 205, 218, 264, 284, 303, 315, 329, 463, 470, 538, 659, 678, 681, 707, 760, 791, 846, 893-894, 965, 1121, 1190, 1241, 1262, 1330, 1377, 1416, 1452, 1563, 1584-1585, 1605, 1718, 1723, 1725, 1779, 1937, 1970, 2128, 2180, 2198, 2215, 2307, 2324, 2426, 2446, 2494, 2516, 2532, 2579, 2591, 2658, 2669, 2686, 2708-2709, 2718, 2809, 2841, 2906, 2923, 2934, 3012, 3079, 3102, 3130, 3191, 3302, 3308, 3341, 3350, 3392, 3431, 3438, 3519, 3596, 3647, 3661, 3760, 3763, 3769, 3773, 3782, 3795, 3838, 3866, 3958, 3988, 3997, 4069, 4188, 4206, 4257, 4336, 4355, 4378, 4437, 4490, 4506-4507

AGED: 18, 42, 49, 64, 72, 79, 108, 118, 128, 151, 172, 176, 220, 239, 279, 285, 287, 294-296, 299, 315, 329-330, 350, 404, 430, 470, 475, 479, 519, 525, 527, 560, 564, 571, 578, 584, 588-589, 616, 629, 640, 642, 649, 665, 682, 711, 720, 757, 779, 791-792, 798, 806, 830, 836, 844, 846, 849, 871, 884, 903, 908, 917, 921, 951, 954, 957, 973, 979, 1003, 1021-1023, 1031, 1108-1109, 1123, 1131, 1161, 1169, 1177, 1199, 1211, 1214, 1230, 1231, 1242, 1249, 1253, 1273, 1306, 1308, 1312, 1313, 1353-1354, 1377, 1381, 1407, 1411, 1432, 1444, 1448, 1454, 1471-1472, 1474, 1483, 1519, 1541, 1567, 1592-1594, 1617, 1658, 1663, 1698, 1724, 1737, 1740, 1743, 1749, 1756, 1762-1763, 1777, 1797, 1808, 1810, 1815, 1825, 1832, 1837, 1842, 1862, 1865, 1870, 1873, 1900, 1930, 1932, 1959, 1969, 1971, 1981, 1992, 1994, 2002, 2079, 2111, 2137, 2143, 2168, 2172, 2185, 2191, 2203, 2251, 2386, 2399, 2411, 2417, 2427, 2443-2444, 2458, 2462, 2465, 2467, 2502, 2515-2516, 2550, 2579, 2584, 2591, 2597, 2613, 2633, 2653, 2663, 2684, 2699, 2718, 2720, 2727, 2799, 2803, 2806, 2809, 2832, 2838, 2840-2841, 2843, 2854, 2861, 2915, 2931, 2934, 2953, 3030, 3065, 3090, 3139, 3145, 3149, 3164, 3175, 3181, 3230, 3235, 3244, 3299, 3325, 3339, 3345, 3366, 3372, 3384, 3392, 3402, 3408, 3445, 3456, 3467, 3478, 3490, 3508, 3549, 3557, 3560, 3563, 3575, 3590, 3596, 3629, 3635, 3643, 3647, 3688-3689, 3691, 3693-3694, 3698, 3721, 3727, 3760, 3782, 3786, 3795, 3824, 3875, 3944, 3969, 3977, 3988, 4012, 4017, 4032, 4044, 4054, 4058, 4106, 4114, 4137, 4139, 4178, 4181, 4199-4200, 4205, 4231, 4325, 4335, 4346, 4355, 4370, 4408, 4417, 4422, 4433, 4438, 4451, 4462, 4480, 4482, 4496, 4523

AGE FACTORS: 49, 100, 138, 205, 218, 264, 284, 303, 315, 329, 463, 470, 538, 659, 678,



# SUBJECT INDEX

466, 1567, 1594, 1681, 1712, 1770, 1813, 1919,  
2031, 2182, 2184, 2333, 2416, 2796, 2830, 2834,  
2882, 2974, 3104, 3159, 3325-3326, 3392, 3533,  
3792, 3944, 4054, 4060, 4244, 4483  
ANOSIA: 1993  
ANOSTIC BEHAVIOR: 2404-2405, 2566  
ANULOCYTOSIS: 134  
AN: 91  
AN POLLUTANTS: 518  
AN POLLUTANTS, OCCUPATIONAL: 518  
AN POLLUTANTS, RADIOACTIVE: 518  
AN POLLUTION: 4437  
ANWAY OBSTRUCTION: 3898  
ANWAY RESISTANCE: 237, 561  
ANALINE: 3948  
ANALINE: 1231, 1317-1318, 2694, 3314  
ANALINE AMINOTRANSFERASE: 75, 1218,  
1381, 3904, 3906  
ANALINISM: 2368  
ANALINUMS: 2455, 3385  
ANALUTEROL: 232, 2386  
ANALUTEROL DRINKING: 113, 1939, 2216, 2370  
ANALUTEROL, ETHYL: 214, 509, 602, 776, 843,  
140, 1882, 2370, 2415, 2457, 2541, 3228, 3878,  
3932, 4020, 4033, 4377  
ANALUTEROL INTOXICATION: 113, 937  
ANALUTEROLISM: 214, 649, 937, 1798-1799, 1840,  
179, 2457, 2720, 3082, 3336, 3557, 3581, 4062  
ANALUTEROL OXIDOREDUCTASES: 2700  
ANALUTERONE: 32, 113, 212, 273, 343, 353,  
355, 372, 528, 547, 672, 764-765, 887, 900, 909,  
102, 1041, 1053, 1131, 1144, 1251, 1261, 1337,  
107, 1426-1427, 1534, 1651, 1732, 1816, 2080,  
14, 2139, 2148, 2232, 2237, 2495, 2513, 2544,  
34, 2938, 2970, 2992, 3083, 3188, 3276, 3474,  
85, 3505, 3524, 3535, 3566, 3633, 3745, 3766,  
394, 3818, 3863, 3923, 3944, 3988, 4054, 4134,  
82, 4235, 4408, 4503  
ANALUTERONE ANTAGONISTS: 163  
ANALUTERONE ACETOPHENIDE: 2873  
ANALUTERINE PHOSPHATASE: 3, 118, 254, 412,  
2, 645, 798, 880, 996, 1666, 1987, 2247, 2674,  
34, 3168, 3184, 3189, 3483-3484, 3906, 4200,  
43  
ANALUTEROLS: 342  
ANALUTEROLS: 1783  
ANALUTEROL AGENTS: 181, 780, 4352-4353,  
82  
ANALUTEROLATION: 3658  
ANALUTEROLS: 619  
ANALUTEROLS: 1142, 2285, 2368  
ANALUTEROLS: 696  
ANALUTEROL REGULATION: 288  
ANALUTEROLS: 1385  
ANALUTEROLS: 328, 2562  
ANALUTEROLS 1-ANTITRYPSIN: 2749, 3099  
ANALUTEROLS: 71, 166, 910, 1646,  
85, 1886-1888, 2058, 2796, 3099, 3674, 4233  
ANALUTEROLS: 798  
ANALUTEROLS MACROGLOBULINS: 684, 1748, 2231  
ANALUTEROLS: 2873  
ANALUTEROLS: 2954, 4079  
ANALUTEROLS: 634, 777, 906, 1335, 1980, 4272, 4492  
ANALUTEROLS: 1433, 2790, 2920, 3892, 4126, 4437  
ANALUTEROLS: 429, 2821, 2900, 3182  
ANALUTEROLS OXIDE: 2900  
ANALUTEROLS PROCESS: 3225  
ANALUTEROLS, EXTRINSIC ALLERGIC: 3440  
ANALUTEROLS: 684, 1833, 2509  
ANALUTEROLS CARE: 326, 1795, 2023  
ANALUTEROLS: 107, 241, 417, 421, 637, 810,  
4, 923, 1000, 1293, 1345, 1481, 1805, 1978,  
70, 2279, 2298, 2497, 2533, 2658, 2885, 2923,  
47, 3374, 3393, 3551, 3666, 3814, 3958, 4323  
ANALUTEROLS: 2168, 4351  
ANALUTEROLS: 1351  
ANALUTEROLS BLACK: 2169  
ANALUTEROLS: 2869  
ANALUTEROLS: 70, 261, 480, 1247, 1761, 2123, 2971  
ANALUTEROLS ACID METABOLISM, INBORN  
ANALUTEROLS: 1296  
ANALUTEROLS ACID NAPHTHYLAMIDASES: 1701,  
63  
ANALUTEROLS ACID SEQUENCE: 358, 557, 708, 1045,  
55, 1446, 1512, 1533, 2052, 2206, 2372, 2456,  
18, 3412, 3518, 3555, 3677, 3771, 4130, 4446  
ANALUTEROLS ACIDS: 53, 307, 408, 439, 443, 557, 585,  
6, 811, 1032, 1044, 1055, 1317, 1587, 1614,  
34, 1662, 1673, 1717, 2132, 2373, 2398, 2415,  
60, 2474, 2514, 3217, 3252, 3286, 3343, 3365,

3800, 4281, 4472  
AMINO ACIDS, ESSENTIAL: 560, 4251  
P-AMINOAZOBENZENE: 1949  
O-AMINOAZOTOLUENE: 1949  
6-AMINOCAPROIC ACID: 2819  
AMINOCAPROIC ACIDS: 4469  
AMINOGLUTETHIMIDE: 156, 2046, 2881,  
3786  
AMINOGLYCOSIDES: 1418  
AMINOISOBUTYRIC ACID: 2957, 3432  
AMINOLEVULINIC ACID DEHYDRATASE  
: 2541  
AMINOLEVULINIC ACID SYNTHETASE:  
2541  
6-AMINONICOTINAMIDE: 1874, 3587  
AMINOXYACETIC ACID: 3479  
AMINOPEPTIDASES: 1533, 3466, 4005  
AMINOPHENOLS: 4349  
AMINOPHYLLINE: 561, 787, 1195, 1931, 4239  
3-AMINOPROPIONIC ACID: 2694  
AMINOPYRIDINES: 2471, 3725  
AMINOPYRINE: 1084, 2701  
P-AMINOSALICYLIC ACID: 1398  
AMINOSALICYLIC ACIDS: 1398  
AMINOTRANSFERASES: 645, 4379  
AMMONIA: 102, 456, 3575, 3794  
AMMONIUM CHLORIDE: 140-141  
AMMONIUM COMPOUNDS: 1318, 4020  
AMNESIA: 2508, 3045, 4149  
AMNESIA, RETROGRADE: 2508  
AMNIOCENTESIS: 1586, 1646, 2726, 3608  
AMNION: 530, 1393  
AMNIOSCOPY: 2001, 2726  
AMNIOTIC FLUID: 280, 432, 619, 689, 1393,  
1403, 1435, 1566, 2001, 2269, 2433-2434, 2751,  
3277, 3608, 4172, 4302  
AMPHENONE B: 3655  
AMPHETAMINE: 243, 866, 904, 1368, 1525,  
3296  
AMPHETAMINES: 736, 815, 1280, 1595, 2133,  
2236, 2602, 2612, 2623, 4085, 4087, 4456  
AMPHIBIA: 3541  
AMPICILLIN: 700, 2815, 3090  
AMPUTATION: 1574, 2295, 3359  
AMPUTATION STUMPS: 1574  
AMPUTATION, TRAUMATIC: 1817, 4100  
AMYGDALOID BODY: 85, 97, 450, 514, 939,  
990, 1143, 1182, 1397, 1742, 1744, 1993, 2311,  
2500, 2507-2508, 2526, 2898, 2960, 3092, 3215,  
3284, 3434, 3731, 4304  
AMYLAASES: 1019, 1386, 1581, 4334  
AMYLOID: 404, 796  
AMYLOIDOSIS: 752, 796, 2247, 3175, 3444, 4284  
ANABOLIC STEROIDS: 1347, 1692, 1795, 2889  
ANAEROBIOSES: 721, 3178, 4033  
ANALEPTICS: 3296  
ANALGESIA: 136, 345, 591, 800, 824, 1084, 2355,  
3496, 3510, 3687, 4271  
ANALGESICS: 76, 758, 801, 824, 826, 1062, 2372,  
2430, 2683  
ANALGESICS, ADDICTIVE: 2696  
ANALGESICS, ANTI-INFLAMMATORY:  
1062, 4414  
ANALYSIS OF VARIANCE: 893, 2749, 3899  
ANAPHYLAXIS: 99, 2701, 3573, 4272  
ANATOMIC MODELS: 4204  
ANATOMY: 4050  
ANDROGEN ANTAGONISTS: 299, 848, 1095,  
1350, 1437, 1758, 2037, 4400  
ANDROGENS: 160, 166, 266, 299, 309, 332, 531,  
829, 1040, 1165, 1193, 1308, 1377, 1692,  
1758-1759, 1779, 1892, 1895, 2039, 2067, 2179,  
2238, 2376, 2544, 2562, 2882, 3102, 3130, 3285,  
3685, 3689, 3736, 3770, 4069, 4198  
ANDROGENS, SYNTHETIC: 2044, 2046, 3137  
ANDROSTANEDIOL: 402, 1536, 2067, 2621,  
3335  
ANDROSTANES: 14, 402, 1536, 1695, 3335, 4431  
5-ANDROSTENE-3,17-DIOL: 22  
ANDROSTENEDIONE: 38, 151, 301, 779, 909,  
992, 1567, 1776, 2067, 2238, 3191, 3285,  
3550, 3880, 4431  
ANDROSTENOLS: 2044, 2621  
ANDROSTERONE: 1567, 2621, 3102, 3172  
ANEMIA: 11, 168, 530-531, 580, 1728, 1950, 1979,  
2625, 2648, 2950  
ANEMIA, APLASTIC: 39, 1073, 1695, 2179,  
2763, 2889, 3567, 3689, 4069  
ANEMIA, HEMOLYTIC: 3332, 3857  
ANEMIA, HEMOLYTIC, AUTOIMMUNE:

4482  
ANEMIA, HEMOLYTIC, CONGENITAL  
NONSPHEROCYTIC: 1389  
ANEMIA, HYPOCHROMIC: 4521  
ANEMIA, PERNICIOUS: 952  
ANEMIA, SICKLE CELL: 4449  
ANENCEPHALY: 2502  
ANESTHESIA: 136, 220, 940, 1026, 1068, 1894,  
1992, 2196, 3404, 3651, 4210  
ANESTHESIA, DENTAL: 2355  
ANESTHESIA, EPIDURAL: 1663  
ANESTHESIA, GENERAL: 847, 1023, 1335,  
1367, 2444, 2569, 3245, 3436, 4189, 4464  
ANESTHESIA, INHALATION: 2284, 2536,  
2847, 3827  
ANESTHESIA, INTRAVENOUS: 136, 295, 634,  
906, 4492  
ANESTHESIA, OBSTETRICAL: 1577, 3277  
ANESTHETICS: 409, 667, 777, 1181, 1980  
ANESTHETICS, LOCAL: 1311, 1361, 1663,  
3948, 4456  
ANESTRUS: 543, 2127  
ANEUPLOIDY: 1299, 4073, 4173  
ANEURYSM, DISSECTING: 1678  
ANGER: 2435  
ANGINA PECTORIS: 642, 1471, 2459  
ANGIOGRAPHY: 208, 835, 867, 979, 1574, 2962,  
3392, 4171  
ANGIOID STREAKS: 2264  
ANGIOMATOSIS: 2741  
ANGIONEUROTIC EDEMA: 607, 757, 2701,  
3267  
ANGIOSARCOMA: 3290  
ANGIOTENSIN I: 210, 244, 2387, 3863, 4445  
ANGIOTENSIN II: 17, 32, 130, 210, 273, 335,  
481, 547, 666, 690, 760, 836, 887, 900, 970, 1113,  
1125, 1131-1132, 1139, 1207, 1215, 1261, 1297,  
1315, 1480, 1534, 1537, 1551, 1607, 1732-1733,  
1903, 1916, 2139, 2149, 2387-2388, 2513, 2517,  
2580, 2740, 2934, 2938, 2987, 2992, 3188, 3202,  
3276, 3485, 3504, 3633, 3723-3724, 3838, 3863,  
3896, 4071, 4131, 4182, 4369, 4444  
ANGIOTENSIN III: 547, 666, 2149, 3485  
ANGIOTENSINASE: 2388  
ANGIOTENSINOGEN: 210, 908, 3724  
ANGIOTENSINS: 210, 908, 1195, 1315, 2008,  
3724, 3766, 3806, 4445  
ANGUILLA: 314, 654-655, 1146, 3043-3044  
ANILIDES: 3340  
ANILINE COMPOUNDS: 2089, 3743  
ANILINE HYDROXYLASE: 2020, 2089  
ANILINO NAPHTHALENESULFONATES:  
502, 686, 2297, 3672  
ANIMAL FEED: 83, 304, 496, 751, 938, 1875,  
2865, 3695  
ANIMAL NUTRITION: 102, 304, 1629, 1875,  
1913  
ANIMALS: 146, 3180, 3884  
ANIMALS, DOMESTIC: 1875, 3358  
ANIMALS, LABORATORY: 3180, 3770, 4262  
ANIMALS, NEWBORN: 83, 87, 200, 204, 238,  
264, 399, 467, 490, 492, 539, 620, 737, 741, 818,  
976, 1025, 1128, 1172, 1626, 1700, 1788, 1919,  
1933, 1980, 2266, 2315, 2333, 2518, 2561, 2808,  
2830, 2890, 2985, 3108, 3116, 3223, 3259, 3303,  
3438, 3738, 3915, 4041, 4310, 4463  
ANIMALS, SUCKLING: 544, 1788, 2864, 3884  
ANIMALS, WILD: 3180  
ANIONS: 255  
ANKYLOSIS: 3205  
ANODONTIA: 2980  
ANOREXIA NERVOSA: 421, 514, 810, 2183,  
2351, 2477, 3265, 4078  
ANOVULATION: 421, 1481, 2947  
ANOXIA: 89, 871, 1171, 1370, 1412, 1626, 2071,  
2282, 2669, 2790, 2920, 3103, 3132, 3144, 4126,  
4356  
ANTACIDS: 1419, 2208  
ANTERIOR CHAMBER: 1159, 3011  
ANTHELMINTICS: 3569  
ANTHRACENES: 3251  
ANTHRALIN: 1579  
ANTHRANILIC ACIDS: 73, 1298, 2890, 4464  
ANTHROPOLOGY, CULTURAL: 891  
ANTHROPOLOGY, PHYSICAL: 891, 4050  
ANTHROPOMETRY: 228, 893, 2502, 3895, 4050,  
4363  
ANTI-ARRHYTHMIA AGENTS: 3948  
ANTIBIOTICS: 83, 134, 183, 829, 1006, 1265,  
1418, 1515, 2208, 2277, 2362, 2486, 2815, 2881,



# SUBJECT INDEX

3249, 3569, 3948, 4074  
 ANTIBIOTICS, ANTINEOPLASTIC: 524, 886, 1098, 2251, 2391, 3597  
 ANTIBIOTICS, ANTITUBERCULAR: 3828  
 ANTIBODIES: 1, 138, 424, 821, 902, 1168, 1527, 1537-1538, 1639, 1814-1815, 2440, 2628, 2669, 2945, 3428, 3510, 3585, 3885, 3896, 3920, 3966, 3980, 3982, 4375  
 ANTIBODIES, BACTERIAL: 2594, 3339  
 ANTIBODIES, NEOPLASM: 1675  
 ANTIBODIES, VIRAL: 786, 1065  
 ANTIBODY AFFINITY: 4020  
 ANTIBODY-DEPENDENT CELL CYTOTOXICITY: 3113, 4461  
 ANTIBODY FORMATION: 478, 977, 1216, 1507, 1828, 2004, 2200, 2240, 2300, 2583, 2831, 2871, 3652, 4020  
 ANTIBODY PRODUCING CELLS: 977, 2200  
 ANTIBODY SPECIFICITY: 457, 471, 1110, 1536, 1624, 2440, 2819, 3298, 3521, 3817, 3886, 4273  
 ANTICHOLESTEREMIC AGENTS: 3297  
 ANTICOAGULANTS: 183, 348, 739, 2683, 2994, 3332  
 ANTICONVULSANTS: 183, 520, 1183, 1882, 2683, 3931, 4330  
 ANTIDEPRESSIVE AGENTS: 1917, 2683, 2839, 3663, 4140  
 ANTIDEPRESSIVE AGENTS, TRICYCLIC: 758, 1552, 3741  
 ANTIDIARRHEALS: 1530  
 ANTIDOTES: 3571  
 ANTIFUNGAL AGENTS: 1854  
 ANTIGEN-ANTIBODY COMPLEX: 489, 1286, 1639, 1922, 2152, 3483, 4045, 4213, 4461  
 ANTIGEN-ANTIBODY REACTIONS: 471, 977, 1814, 4018, 4461  
 ANTIGENIC DETERMINANTS: 25, 218, 471, 1507, 1969, 4298  
 ANTIGENS: 25, 218, 475, 478, 1009, 1039, 1639, 1768, 1828, 1922, 2550, 2927, 2950, 3184, 3333, 3652, 3693, 3885, 3982, 4298  
 ANTIGENS, BACTERIAL: 2831  
 ANTIGENS, FUNGAL: 845  
 ANTIGENS, NEOPLASM: 292, 1482, 1539, 1886, 3055, 3885  
 ANTIGENS, SURFACE: 1886  
 ANTIGENS, VIRAL: 786, 1191, 2786, 2897, 2989, 3193  
 ANTIHYPERTENSIVE AGENTS: 183, 212, 487, 529, 2439, 2459, 2683, 2814, 2848, 2934, 2977, 3010, 3086, 3199, 4302, 4479  
 ANTI-INFECTIVE AGENTS: 2683, 2870, 3569  
 ANTI-INFECTIVE AGENTS, LOCAL: 2565, 3829  
 ANTI-INFLAMMATORY AGENTS: 4, 94, 181, 485, 1071, 1158, 1530, 1868, 1899, 2364, 2676, 3025, 3090, 3566  
 ANTI-INFLAMMATORY AGENTS, TOPICAL: 506, 2426, 2607  
 ANTILYMPHOCYTE SERUM: 181, 573, 1828  
 ANTIMALARIALS: 1820  
 ANTIMETABOLITES: 4138  
 ANTIMYCIN A: 1052, 4334  
 ANTINEOPLASTIC AGENTS: 63, 134, 176, 524, 599, 790, 955, 1108, 1200, 1227, 1249, 1311, 1489, 1680, 1717, 1912, 1994, 2161, 2167, 2208, 2279, 2302, 2319, 2399, 2406-2408, 2617, 2647, 2979, 3230, 3242, 3384, 3410, 3569, 3582, 3720, 3816, 4142, 4233, 4433, 4493-4494  
 ANTINUCLEAR FACTORS: 999, 1286  
 ANTIPARKINSON AGENTS: 1411, 3581  
 ANTIPROTOZOAL AGENTS: 3569  
 ANTIPYRINE: 919, 2359  
 ANTIRETICULAR CYTOTOXIC SERUM: 1797  
 ANTISOCIAL PERSONALITY: 3122-3123, 4322  
 ANTITHROMBIN III: 465, 1382, 4053  
 ANTITUBERCULAR AGENTS: 124, 183, 1797, 2115, 2486, 3539-3540, 3828  
 ANTITUSSIVE AGENTS: 2252  
 ANTIVENINS: 2828  
 ANTIVIRAL AGENTS: 1311, 2007, 3128, 3569  
 ANTLERS: 1765  
 ANXIETY: 1030, 1054, 2050, 2459, 3581, 4193  
 AORTA: 244, 464, 487, 545, 1066, 1113, 1590, 1823, 2042, 2320, 2777, 3052, 3086-3087, 3216, 3804, 4099, 4102, 4479  
 AORTA, ABDOMINAL: 1670, 2738, 4048, 4119

AORTA, THORACIC: 1124, 1551, 2519  
 AORTIC ANEURYSM: 1678  
 AORTIC ARCH SYNDROMES: 1376  
 AORTIC COARCTATION: 2961, 3338  
 AORTIC DISEASES: 2738, 2961, 4119  
 AORTIC VALVE: 4021  
 AORTIC VALVE INSUFFICIENCY: 4021  
 AORTOGRAPHY: 1022, 2961, 3190, 4048, 4137  
 APATITES: 3782  
 APES: 3233  
 APHASIA: 1253  
 APHONIA: 1295  
 APLYSIA: 346, 1399, 2017, 2357, 3152, 4371  
 APNEA: 532, 2569  
 APOENZYMES: 2352, 3269  
 APOMORPHINE: 105, 367, 369, 491, 624, 626, 734, 866, 935, 968, 1368, 1484, 2047, 2461, 2543, 2582, 2618, 3096, 3398, 3586, 4113, 4369  
 APORPHINES: 3669  
 APPENDICEAL NEOPLASMS: 1926  
 APPETITE: 439, 3382, 4078  
 APPETITE DEPRESSANTS: 228, 243  
 APPETITE REGULATION: 243, 810  
 APPETITIVE BEHAVIOR: 2507  
 APUD CELLS: 2, 1715, 3114, 3136, 3349, 3481, 4047  
 APURINIC ACID: 4388  
 AQUEOUS HUMOR: 2370, 3987  
 ARACHIDONIC ACIDS: 614, 669, 727, 1071, 1218, 1495, 1583, 2027, 2291, 2364, 2590, 2620, 2856, 2911, 3087, 3110, 3309, 3361, 3916, 4127, 4457, 4515  
 ARACHNID: 2686  
 ARACHNOIDITIS: 1072  
 ARECOLINE: 3630  
 ARGINASE: 1385, 1788  
 ARGININE: 228, 395, 521, 594, 2637, 3412, 3447, 3935  
 ARGININOSUCCINATE LYASE: 1788  
 ARGININOSUCCINATE SYNTHETASE: 1788  
 ARGIPRESSIN: 646, 1339-1340, 2165, 2697, 2819, 2861, 3751, 3989  
 ARM: 150, 1817, 2741  
 ARMADILLOS: 4275  
 AROCLORS: 3743  
 AROMATASE: 301  
 AROUSAL: 1951, 2840, 3122, 4023  
 ARRHENOBLASTOMA: 455, 2879, 3958  
 ARRHYTHMIA: 232, 338, 428, 1407, 1502, 1637, 2284, 2436, 2459, 2736, 3213, 3354, 3937, 4177  
 ARRHYTHMIA, SINUS: 4254  
 ARTERIES: 5, 77, 352, 487, 489, 1364, 1551, 1670, 2188, 2320, 3087, 3089, 3110, 3372, 3757, 3804  
 ARTERIOSCLEROSIS: 130, 489, 739, 2568  
 ARTERIOVENOUS SHUNT, SURGICAL: 1092  
 ARTHRITIS: 437, 1469, 2481, 2846, 2995, 3160, 4242  
 ARTHRITIS, ADJUVANT: 2871  
 ARTHRITIS, INFECTIOUS: 1580  
 ARTHRITIS, JUVENILE RHEUMATOID: 1580, 3205, 4221  
 ARTHRITIS, RHEUMATOID: 1062, 1639, 1868, 2172, 2427, 2653, 3090, 4178, 4348, 4499  
 ARTHROBACTER: 2329  
 ARTHRODESIS: 2411  
 ARTIODACTYLA: 3758  
 ARYL HYDROCARBON HYDROXYLASES: 2830, 3052  
 ARYLSULFATASES: 2129, 2674, 3084  
 ASCITES: 1015, 2648, 4004  
 ASCITIC FLUID: 1675, 1701  
 ASCORBIC ACID: 239, 387, 659, 694, 1024, 1401, 1478, 1572, 2035  
 ASCORBIC ACID DEFICIENCY: 1024  
 ASEPSIS: 2574  
 ASPARAGINASE: 1415  
 ASPARTATE AMINOTRANSFERASE: 75, 3681, 3904  
 ASPARTIC ACID: 2637, 3234  
 ASPERGILLOSIS: 2334  
 ASPERGILLUS FUMIGATUS: 2334  
 ASPHYXIA NEONATORUM: 3144  
 ASPIRIN: 444, 1298, 1495, 1530, 1613, 1991, 2041, 3025, 3179, 3353, 3916, 3961, 4457  
 ASSOCIATION LEARNING: 2194  
 ASTATINE: 1255  
 ASTHMA: 615, 720, 961, 1042, 1413, 1419, 1493, 1702, 1935, 2049, 2162, 2176, 2386, 2693, 3005,

3864, 3961  
 ASTROCYTOMA: 1570, 2686  
 ATAXIA TELANGIECTASIA: 1940  
 ATELECTASIS: 58  
 ATENOLOL: 537, 2488  
 ATHEROSCLEROSIS: 739, 2077, 2568  
 ATHETOSIS: 1812  
 ATMOSPHERIC PRESSURE: 1268, 4283  
 ATP CITRATE LYASE: 2080  
 ATROPHY: 65, 763, 1284, 1854, 2106, 2824, 3435-3853, 3907  
 ATROPINE: 322, 405, 522, 1318, 1409, 2476, 2922, 3063, 3224, 3239, 3270, 3432, 4334, 4431  
 ATROPINE DERIVATIVES: 2386  
 ATTENTION: 85, 2061, 4431  
 ATTITUDE: 470, 4322  
 ATTITUDE OF HEALTH PERSONNEL: 1030, 2779, 2798, 4307  
 ATTITUDE TO DEATH: 1030  
 ATTITUDE TO HEALTH: 1192, 3864  
 AUDIOMETRY: 3204  
 AUDITORY CORTEX: 3122  
 AUDITORY THRESHOLD: 104  
 AURICULAR FIBRILLATION: 2459  
 AURINTRICARBOXYLIC ACID: 2818  
 AUTISM, EARLY INFANTILE: 595, 2144  
 AUTOANALYSIS: 6, 577, 3357  
 AUTOANTIBODIES: 457, 1347, 2520, 2716, 2813, 3979-3980, 3982, 4061, 4245, 4509  
 AUTOANTIGENS: 2550, 4298  
 AUTOIMMUNE DISEASES: 457, 478, 1216, 1516, 1803, 2958, 3003, 3406, 3979-3980, 4298  
 AUTOLYSIS: 1470  
 AUTONOMIC DRUGS: 1759  
 AUTONOMIC FIBERS, POSTGANGLION: 1400  
 AUTONOMIC NERVE BLOCK: 3277  
 AUTONOMIC NERVOUS SYSTEM: 381, 1516, 1845, 1927, 2549, 2938, 4294  
 AUTOPSY: 219, 533, 4355  
 AUTORADIOGRAPHY: 70, 87, 195, 346, 582, 1039, 1150, 1445, 1545, 1691, 1742, 1826, 2366, 2775, 3152, 3215, 3620, 4224  
 AUTOSOME ABNORMALITIES: 2214, 2340, 3975  
 AVIATION MEDICINE: 1268  
 AVITAMINOSIS: 1585  
 AVOIDANCE LEARNING: 651, 1182, 1396-1397, 1410, 2083, 2133, 2194, 2445, 2520, 2810, 3882, 4304  
 AWARDS AND PRIZES: 3555  
 AXONS: 196, 245-246, 327, 345, 497, 878, 1213, 1399, 1424, 2358, 2396, 2623, 2898, 2964, 3132, 3259, 3387, 3559, 3580, 4023-4024, 4328  
 AXOPLASMIC FLOW: 411, 1399, 3580  
 AY 9944: 3297  
 AZA COMPOUNDS: 1045  
 AZATHIOPRINE: 159, 181, 278, 542, 564, 5871, 911, 1099, 1981, 2117, 2446, 2653, 31342, 3872, 4139, 4238, 4346, 4348, 4403, 4434  
 AZIDES: 392, 557, 2073, 2883, 3178, 4075  
 AZIRIDINES: 4428  
 AZIRINES: 4428  
 AZO COMPOUNDS: 1949, 2169, 2389, 2875, 4413

## B

BABOONS: 464, 996, 3814  
 BACITRACIN: 2301  
 BACKACHE: 4410  
 BACLOFEN: 2543  
 BACTERIA: 425, 1216  
 BACTERIAL INFECTIONS: 1058  
 BACTERIAL PROTEINS: 3563  
 BACTERIURIA: 1515  
 BALLISTOCARDIOGRAPHY: 903  
 BARBITURATES: 4330  
 BARIUM: 1195, 3171, 3637  
 BARNACLES: 949, 2282, 2312  
 BARTTER'S DISEASE: 1120, 1373, 2150, 2151, 3490, 3524, 4131  
 BASAL METABOLISM: 2749  
 BASE SEQUENCE: 1191, 1379  
 BASEMENT MEMBRANE: 489, 1922, 1926, 2469, 2520  
 BASILAR ARTERY: 464  
 BATHS: 2172  
 BATRACHOTOXINS: 3725



# SUBJECT INDEX

- CG: 84  
CG VACCINATION: 2647  
CG VACCINE: 3055  
EAK: 1468  
ECLOMETHASONE: 615, 696, 1042, 1413, 1942, 2049, 3611, 3824  
EE VENOMS: 3999  
EETLES: 960  
EHAVIOR: 105, 576, 626, 959, 968, 1130, 1248, 1878, 2047  
EHAVIOR, ANIMAL: 193, 490, 627, 801, 866, 947, 959, 1050, 1084-1085, 1233, 1323, 1368-1369, 1400, 1505, 1716, 1896, 2083, 2133, 2171, 2430, 2445, 2460, 2512, 2542, 2545, 2959, 3227, 3316, 3379, 3398, 3603, 3717, 3741, 3812, 4066, 4076, 4113, 4222, 4429  
EHCT'S SYNDROME: 3054  
ENACTYZINE: 3630, 3971  
ENCE JONES PROTEIN: 1594, 1686, 4451  
ENORYLATE: 3353  
ENSERAZIDE: 490, 2627, 3586  
ENZAMIDES: 1896, 2371  
ENZANTHRACENES: 1319, 2087, 2776, 3791  
ENZAZEPINES: 3648  
ENZENE HEXACHLORIDE: 2242  
ENZHYDRYL COMPOUNDS: 4140  
ENZIDINES: 3709  
ENZODIAZEPINE TRANQUILIZERS: 1349, 1410  
ENZOFURANS: 1354, 2020  
ENZOMORPHAN: 2857  
ENZOPYRENES: 3879  
ENZOYL PEROXIDE: 643  
ENZPHETAMINE: 2089  
ENZYL ALCOHOLS: 980, 3296  
ENZYLAMINES: 1764  
ERBERINE: 3669  
ERBINES: 3669  
ETA-GALACTOSIDASES: 728, 3011, 3178  
ETA GLOBULINS: 1173, 1463, 2573  
ETAMETHASONE: 1080, 1235-1236, 1969, 2042, 2257, 2359, 3025, 3678, 3688, 3855  
ETAMETHASONE 17-VALERATE: 3678, 3855  
ETHANECHOL COMPOUNDS: 522, 1438, 4334  
BIOGRAPHY: 4133  
CARBONATES: 98, 127, 2114, 2390, 4255, 4312  
CUCULLINE: 4190  
LE: 425, 1003, 1561, 4393, 4395  
LE ACIDS AND SALTS: 292, 425, 456, 2117  
LE DUCTS: 420  
LE DUCTS, INTRAHEPATIC: 4434  
LIARY TRACT DISEASES: 1658  
LIRUBIN: 2117, 2706, 3750, 3906, 4349  
NDING, COMPETITIVE: 22, 262, 547, 555, 572, 799, 861, 1010, 1018, 1158, 1207, 1251, 1609, 1641, 1705, 1793, 1893, 2059, 2232, 2978, 3023, 3030, 3208, 3296, 3326, 3602, 3613, 4019, 4055, 4130, 4174  
NDING SITES: 112, 151, 166, 196, 375, 401, 410, 499, 507, 535, 633, 636, 686, 693, 876, 987, 1008, 1018, 1028, 1038, 1055, 1241, 1292, 1319, 1479, 1668, 1758, 1830, 1839, 1936, 2121, 2152, 2253, 2310, 2335, 2526, 2727, 2765, 2818, 2836-2837, 3031, 3056, 3125, 3482, 3642, 3650, 3653, 3771, 3901, 3952, 4040, 4150, 4174, 4292, 4350, 4412  
NDING SITES, ANTIBODY: 1168, 3920, 4020, 4461  
OCHEMISTRY: 4487  
OCOMPATIBLE MATERIALS: 2821, 3833  
OGENIC AMINES: 262, 381, 519, 624, 795, 872, 1217, 1428, 1821, 1864, 2036, 2598, 2612, 2694, 3212, 3436, 3450, 3495, 3523, 3546, 3927, 4126, 4271, 4383  
OLOGICAL ASSAY: 210, 422, 486, 511, 552, 565, 631, 801, 855, 857, 964, 1006, 1488, 1694, 2373, 2380, 2398, 2865, 3252, 3369, 3412, 3543, 3601, 3920, 3925, 4321  
OLOGICAL AVAILABILITY: 14, 36, 2683  
OLOGICAL CLOCKS: 119, 1923, 2017, 3887, 3933  
OLOGICAL PRODUCTS: 4376  
OLOGICAL TRANSPORT: 12, 127, 174, 408, 409, 721, 823, 831, 928, 971, 1002, 1025, 1155, 1634, 1668, 1700, 1757, 1786, 1840, 1947, 2005, 2022, 2073, 2312, 2329, 2389, 2556, 2651, 2820, 2978, 3102, 3162, 3300, 3401, 3634, 4312, 4519  
BIOLOGICAL TRANSPORT, ACTIVE: 196, 393, 445, 497, 507, 610, 840, 929, 1122, 1144, 1475, 1503, 1514, 1526, 1786, 1830, 2070, 2109, 2282, 2286, 2325, 2335, 2449, 2539, 2557, 2610, 2682, 2789, 2853, 2957, 2975, 3192, 3208, 3279, 3292, 3301, 3306, 3331, 3411, 3561, 3592-3593, 3628, 3653, 3656, 3807, 3813, 3823, 3826, 4040, 4112, 4195, 4267, 4358, 4485  
BIOMECHANICS: 3024, 3833, 4070, 4294, 4505  
BIOMEDICAL ENGINEERING: 1600  
BIOMETRY: 389, 833, 1739, 3359  
BIOPHARMACEUTICS: 148, 3860  
BIOPSY: 92, 363, 526, 1294, 1336, 1754, 2263, 2413, 2676, 3057, 3229, 3287-3288, 3547, 4279, 4355, 4453  
BIOPSY, NEEDLE: 189, 1116, 2103, 2952, 3031, 3457, 4036, 4305  
BIOTRANSFORMATION: 197, 1429, 1931, 2117, 2906  
BIPHENYL COMPOUNDS: 496, 3743  
BIRD DISEASES: 1682  
BIRDS: 139, 147, 664, 862, 1145, 1215, 1640, 1682, 1729, 2134, 2581, 2983, 3753, 4101, 4165  
BIRTH WEIGHT: 717, 821, 1566, 1629, 1925, 2706, 3189, 3329, 3399, 4320  
BISMUTH: 1530  
BK VIRUS: 786  
BLACK WIDOW SPIDER: 3725  
BLACKS: 1223, 2743  
BLADDER: 186, 766, 1144, 1526, 1706, 2232, 2614, 2649, 2667, 2936, 3388, 3541, 3628, 4444  
BLADDER CALCULI: 1515  
BLADDER DISEASES: 2936  
BLADDER NEOPLASMS: 81, 639, 1886, 3243, 4003  
BLASTOCLADIELLA: 1104, 3711  
BLASTOCYST: 1708, 2780, 3735-3736, 4225, 4380  
BLEOMYCIN: 1069, 1108, 1256, 4335  
BLEPHAROPOPTOSIS: 1294, 3142  
BLINDNESS: 1787, 4336  
BLOOD: 780, 1460, 1783, 2583, 2990  
BLOOD BACTERICIDAL ACTIVITY: 1974, 2831, 2835  
BLOOD-BRAIN BARRIER: 307, 408, 822, 3049  
BLOOD CELL COUNT: 79, 879, 1291  
BLOOD CELLS: 1071, 1833  
BLOOD CHEMICAL ANALYSIS: 456, 1176, 3276  
BLOOD CIRCULATION: 481, 1156, 3702  
BLOOD COAGULATION: 489, 1384, 1625, 2041, 2156, 2204, 2247, 2532, 2697, 2917, 3070, 3355, 3370  
BLOOD COAGULATION DISORDERS: 2228, 2648, 3355  
BLOOD COAGULATION FACTORS: 879, 3671  
BLOOD COAGULATION TESTS: 465, 2994, 3878, 4068  
BLOOD FLOW VELOCITY: 3320, 3838  
BLOOD GROUPS: 2340, 3506  
BLOOD PLATELET DISORDERS: 3060, 3173, 4213  
BLOOD PLATELETS: 19, 79, 446, 645, 739, 840, 872, 879, 1155, 1291, 1384, 1496, 1563, 1910, 1974, 2156, 2182, 2366, 2727, 2994, 3060, 3109, 3173, 3208, 3309, 3918, 3959, 4102, 4460  
BLOOD PRESERVATION: 2835  
BLOOD PRESSURE: 15, 130, 232, 244, 273, 335, 360, 400, 452, 459, 473, 503, 529, 538, 547-548, 572, 581, 634, 637, 648, 671, 836, 839, 847, 875, 887, 900, 903, 970, 1022, 1027, 1030, 1041, 1102, 1124-1125, 1131-1132, 1139, 1188, 1247, 1297, 1315, 1337, 1354, 1366, 1496, 1534, 1550, 1637, 1645, 1684, 1749-1750, 1845, 1878-1879, 1903, 1906, 1927, 1962, 1972, 2027, 2158, 2181, 2184, 2198, 2346, 2451, 2468, 2517, 2740, 2768, 2783, 2799, 2825, 2827, 2829, 2934, 2987, 3006, 3048, 3067, 3083, 3086-3087, 3177, 3188, 3202, 3235, 3348, 3474, 3485, 3497, 3504-3505, 3702, 3726, 3751, 3763, 3896, 3973, 4054, 4071, 4106, 4134, 4210, 4277, 4306, 4317, 4327, 4500, 4511  
BLOOD PRESSURE DETERMINATION: 4464  
BLOOD PROTEIN DISORDERS: 2699, 4108  
BLOOD PROTEINS: 586, 1003, 1331, 1517, 2005, 2739, 2749, 2809, 2978, 3023, 3040, 3173, 3189, 3250, 3476, 3700, 3920, 4195, 4426  
BLOOD SEDIMENTATION: 1868  
BLOOD SPECIMEN COLLECTION: 298, 1464  
BLOOD SUGAR: 136, 383, 409, 441, 501, 514, 594, 605, 622, 654, 711, 770, 786, 919, 971, 1019, 1172, 1218, 1398, 1569, 1587, 1590, 1831, 1834, 1914, 2287, 2422, 2820, 2899, 2903, 2927, 2938, 3125, 3283, 3333, 3466, 3491, 3548, 3640, 3676, 3693, 3811, 3892, 4189, 4344, 4428  
BLOOD-TESTIS BARRIER: 160  
BLOOD TRANSFUSION: 364, 1073, 2399  
BLOOD UREA NITROGEN: 4251  
BLOOD VESSEL PROSTHESIS: 3744  
BLOOD VESSELS: 66, 311, 322, 545, 547, 931, 1400, 1418, 1563, 1590, 1721, 1784, 2041, 2184, 2519, 3131, 3916, 4292, 4460, 4479  
BLOOD VISCOSITY: 489, 4045  
BLOOD VOLUME: 1906, 2072, 3712, 4312  
BODY COMPOSITION: 304, 1172, 1589, 2063, 2495, 3189, 3899, 4216, 4351  
BODY FLUIDS: 4351  
BODY HEIGHT: 438, 717, 795, 1042, 1284, 1753-1754, 2110, 2180, 2658, 3447, 3558, 3825, 3893, 4050  
BODY IMAGE: 3893  
BODY SURFACE AREA: 593, 717  
BODY TEMPERATURE: 15, 139, 519, 624, 730, 765, 827, 856, 947, 1140, 1237, 1346, 1421, 1765, 1781, 1915, 2160, 2175, 2298, 2545, 2694, 2702, 2959, 3027, 3090, 3554, 3603, 3719, 3959, 4189, 4208  
BODY TEMPERATURE REGULATION: 589, 730, 968, 1346, 1716, 1765, 2015, 2410, 2670, 2860, 3133, 3336, 3465, 3719, 3781  
BODY WATER: 1014, 1366, 1874, 2254, 2518, 2614, 2651, 2935, 3189, 3388, 3628, 4216  
BODY WEIGHT: 16, 18, 102, 144, 238, 304, 319, 390, 399, 408, 473, 487, 637, 780, 794-795, 813, 827, 1101, 1172, 1270, 1369, 1550, 1575, 1589, 1629, 1713, 1739, 1813, 1836, 1876, 2033, 2126, 2171, 2180, 2254, 2308, 2351, 2370, 2508, 2518, 2563, 2566, 2860, 2908, 3148, 3359, 3447, 3469, 3495, 3554, 3641, 3812, 3847, 3899, 4002, 4034, 4078, 4134, 4192, 4217, 4244, 4280, 4315, 4387, 4463, 4500  
BONE AND BONES: 37, 51, 64, 118, 124-125, 133, 150, 254, 304, 318, 357, 389-390, 412, 420, 426, 437, 448, 507, 536, 546, 593, 620, 628, 683, 709, 722, 729, 747, 806, 846, 880, 893, 899, 928, 1006, 1057, 1066, 1074, 1078, 1123, 1186-1187, 1246, 1259, 1273, 1310, 1329, 1449-1450, 1452, 1468-1469, 1510, 1574, 1588, 1600, 1629, 1635, 1681, 1728, 1739-1740, 1804, 1817, 1855, 1870, 1901, 1928, 1973, 1979, 2063, 2069, 2124, 2137, 2168, 2197, 2223, 2281, 2318, 2345, 2374-2375, 2395, 2411, 2423, 2575, 2616, 2626, 2657, 2707, 2834, 2886, 2929, 2969, 2978, 3038, 3058, 3104, 3115, 3131, 3240, 3291, 3299, 3322, 3343, 3351, 3358, 3435, 3483-3484, 3598, 3601, 3621, 3625, 3635, 3782, 3787, 3795, 3833, 3839, 3870, 3907, 3943, 3999, 4036, 4070, 4100, 4114, 4186, 4192, 4200, 4242, 4250, 4260, 4332, 4351, 4409, 4481, 4505  
BONE CEMENTS: 2575, 3560, 3601  
BONE CYST: 598, 3870  
BONE DEVELOPMENT: 1452, 1600, 1681, 2110, 2375, 2821, 4153  
BONE DISEASES: 108, 305, 1250, 1449-1450, 1699, 1967, 2140, 2486, 2995, 3299, 3613, 3795, 3834, 4178  
BONE DISEASES, DEVELOPMENTAL: 3705, 3843  
BONE MARROW: 64, 312, 588, 952, 1071, 1134, 1216, 1412, 1459, 1594, 1728, 1808, 1876, 2131, 2197, 2279, 2302, 2399, 2648, 2744, 3068, 3230, 3242, 3623, 3699, 3720, 3907, 4451  
BONE MARROW DISEASES: 108, 1800  
BONE MATRIX: 1103, 1769, 4098  
BONE NAILS: 2318  
BONE NEOPLASMS: 118, 505, 596, 899, 1078, 1273, 1469, 1482, 1617, 1740, 1870, 1973, 2234, 2281, 2412, 2492, 2575, 3051, 3299, 3635, 3786, 3789, 3795, 4036, 4106, 4178, 4355  
BONE PLATES: 2821, 3907  
BONE REGENERATION: 1973, 3392  
BONE RESORPTION: 477, 1074, 2821, 2842-2843, 2974, 3225, 3579, 3999  
BORON: 2323  
BOTULINUM TOXINS: 3725  
BRACHIAL ARTERY: 1660, 2768  
BRADYCARDIA: 998, 1054  
BRADYKININ: 112, 335, 1195, 1225, 1647, 2856, 4311, 4511



# SUBJECT INDEX

BRAIN: 52, 97, 102, 172, 245, 262, 290, 307, 313, 327, 342, 381, 399, 408, 439, 459, 490, 514, 533, 539, 624, 666, 708, 734, 737, 794-795, 815, 817-818, 822, 837-838, 866, 891, 899, 902, 919, 959, 1032, 1035, 1049, 1135, 1139, 1188, 1194, 1207, 1251, 1254, 1279, 1282, 1292, 1313, 1315, 1323, 1344, 1369-1370, 1394, 1396, 1458, 1469, 1505, 1595, 1597, 1626, 1696, 1700, 1740-1741, 1745, 1792, 1816, 1896, 1907, 1917, 1946, 1954-1955, 1995, 2011-2012, 2031, 2043, 2083, 2100, 2133, 2145, 2192, 2224, 2333, 2396-2397, 2410, 2414-2415, 2430, 2432, 2452, 2494, 2542, 2561, 2588, 2598, 2620, 2623, 2671, 2682, 2694, 2696, 2704, 2816, 2837, 2883, 2888, 2897, 2908, 2954, 3105, 3116, 3146, 3152, 3171, 3195, 3211, 3227, 3264, 3269, 3279, 3296-3297, 3303-3304, 3314, 3356, 3477, 3491, 3495-3496, 3516, 3546, 3580, 3603, 3630, 3663, 3670, 3672-3673, 3724, 3772, 3775, 3805, 3815, 3830, 3844, 3885, 3927, 3968, 3986, 4013, 4019, 4040, 4048, 4066, 4085, 4087, 4103-4104, 4109, 4140, 4144, 4146-4147, 4177, 4239, 4273, 4280, 4313-4314, 4326, 4328, 4331, 4369, 4396, 4398, 4484

BRAIN CHEMISTRY: 41, 172, 245, 304, 552, 626-627, 705, 767, 837, 904, 926, 968, 1217, 1281, 1505, 1874, 1947, 1955, 2036, 2047, 2191, 2236, 2397, 2455, 2460, 2494, 3006, 3092, 3105, 3146, 3296, 3379, 3390, 3500, 3687, 3716, 3741, 3781, 3968, 4122, 4314, 4429

BRAIN CONCUSSION: 1210

BRAIN DISEASES: 108, 589, 978, 1206, 1284, 1570, 1598, 1963, 2299, 2496, 2549, 2760, 2768, 2850, 3072, 3126, 3336, 3394, 3860, 4160, 4163, 4287

BRAIN EDEMA: 1058, 1598, 1874, 2455, 4331

BRAIN INJURIES, ACUTE: 4331

BRAIN MAPPING: 50, 145, 199-200, 625, 679, 688, 939, 947, 953, 1189, 1232, 1263, 1535, 1545, 1741, 1818, 2082, 2311, 2405, 2435, 2500, 2507, 2548-2549, 2566, 2578, 2605, 2894, 2898, 3207, 3212, 3554, 3723, 4166, 4304

BRAIN NEOPLASMS: 26, 224, 261, 276, 899, 1211, 1448, 1469, 1570, 1687, 1740, 1938, 2055, 2485, 2686, 2760, 2939, 2963, 3589, 3720, 3898, 3926, 3942, 4115, 4331, 4491

BRAIN STEM: 145, 238, 345, 666, 679, 939, 1032, 1182, 1338, 1597, 2055, 2331, 2358, 2445, 2522, 2579, 2605, 2620, 2655, 3207, 3390, 3516, 3772, 4273, 4439

BREAST: 60, 312, 673, 704, 1083, 2098, 2599, 2709, 2981, 3737-3738, 3884, 4174, 4279, 4363

BREAST DISEASES: 13, 2029, 2599, 3139

BREAST FEEDING: 451, 463, 1643, 2296, 2935, 3858

BREAST NEOPLASMS: 13, 18, 22, 54, 61-63, 176, 384, 422, 505, 509, 555-556, 754, 782, 798, 861, 870, 886, 899, 1031, 1034, 1040, 1078, 1083, 1093-1094, 1205, 1273, 1520-1521, 1714, 1847, 1912, 1930, 1973, 2046, 2058, 2079, 2098, 2235, 2270, 2326, 2342, 2369, 2391, 2406-2407, 2438, 2504, 2659, 2709, 2730, 2734, 2866, 2886, 2893, 2924, 2932, 2981, 3031, 3137, 3139, 3220, 3232, 3246, 3344-3345, 3417, 3472, 3486, 3501, 3506, 3584, 3610, 3700, 3737, 3776, 3786, 3796, 3891, 4032, 4174, 4279, 4299-4300, 4354, 4384, 4493, 4510

BREEDING: 2202, 3665

BRENNER TUMOR: 698, 2527, 4333

BROMIDES: 2190

BROMINE: 577, 2172

BROMODEOXYURIDINE: 1581, 2007

2-BROMOERGOCRYPTINE: 107, 161, 241, 450, 623, 629, 731, 746, 790, 809, 827, 923, 1000, 1170, 1608, 1812, 1861, 1959, 1961, 2045, 2142, 2298, 2582, 2598, 3070, 3235, 3268, 3551, 3565, 3602, 3633, 3756, 3883, 4143, 4146, 4300, 4407

2-BROMOLYSERGIC ACID

DIETHYLAMIDE: 483

BRONCHI: 561, 2092, 3150, 3444, 3682, 4224

BRONCHIAL DISEASES: 1413, 2084

BRONCHIAL NEOPLASMS: 344, 782, 1082, 2819, 2963

BRONCHIAL SPASM: 428, 1413

BRONCHIOLITIS, VIRAL: 1265

BRONCHITIS: 700, 1942, 2386

BRONCHODILATOR AGENTS: 1265, 2683

BRONCHOPNEUMONIA: 3267

BRONCHOSCOPY: 3444

BROWN FAT: 1902, 3271

BRUCELLA ABORTUS: 4041

BRUCELLOSIS: 4041

BUFFALOES: 30

BUFFERS: 182, 498, 2703, 3210, 3778, 4434

BUFO: 982

BUFO BUFO: 831, 1923, 2614

BUFO MARINUS: 1144, 1526, 2067, 2232, 3628

BUFOTENIN: 4109

BUNAMIDINE: 1351

BUNGAROTOXINS: 1028, 2919, 3672

BUPRANOLOL: 3987

BUPRENORPHINE: 136

BURNS: 506, 536, 972, 2363

BURSA OF FABRICIUS: 1876

BUSULFAN: 467

BUTACLAMOL: 1232, 3465

BUTANES: 3479

BUTANONES: 3655

BUTAPERAZINE: 1490

BUTYLATED HYDROXYTOLUENE: 2225

BUTYRATES: 230, 1341, 1524, 2521

BUTYROPHENONES: 3268, 3602, 4019, 4326

## C

C-REACTIVE PROTEIN: 798

C-TYPE VIRUSES: 377, 2989, 3820

CADAVER: 558, 573, 1523, 4471

CADMIUM: 1018, 1933, 2040, 2944, 3171, 3468, 3533, 3638, 3740, 4094

CAENORHABDITIS: 2918

CAFFEINE: 393, 1128, 2402, 2921, 3061

CALCIFICATION, PHYSIOLOGIC: 3, 472, 1103, 1462, 1681, 1769, 1928, 2069, 2321, 2325, 2375, 3216, 4098

CALCINOSIS: 753-754, 774, 783, 884, 966, 2375, 2625, 3785, 3839, 3943, 4267, 4284

CALCITONIN: 9, 133, 269, 272, 331, 404, 511, 646, 782, 907, 921, 1019, 1082, 1290, 1404, 1441, 1454, 1573, 1584, 1622, 1762, 2054, 2141, 2354, 2606, 2729, 2761, 2794, 2832, 2867, 2953, 3148, 3349, 3400, 3464, 4007, 4178, 4221, 4250, 4393, 4443, 4481, 4512

CALCIUM: 3, 40, 66, 91, 102, 124-125, 133, 154, 174, 196, 201, 239, 249, 254-255, 259, 269, 304, 317, 331, 349, 361-362, 389-393, 401, 412, 429, 437, 442, 445, 449, 463, 476-477, 497-498, 507, 512, 560, 568, 576, 586, 608-610, 662, 686, 721, 756, 804, 828, 840, 887, 928-929, 931, 949, 1001, 1004, 1018-1019, 1036-1038, 1101, 1128, 1155, 1163, 1171, 1235-1236, 1238, 1241, 1244, 1283, 1329, 1409, 1418, 1425, 1441, 1454-1455, 1475, 1479, 1514, 1522, 1533, 1599, 1609, 1620, 1622, 1674, 1727, 1757, 1763, 1765, 1769, 1786, 1802, 1830, 1898, 1913, 1924, 1928, 1932, 1936, 1948, 1967, 2003, 2005, 2022, 2025, 2040, 2065, 2069-2070, 2073, 2085, 2109, 2112, 2122, 2135, 2140, 2152, 2156, 2219, 2224, 2230, 2282, 2286, 2289, 2312, 2320-2321, 2325, 2335, 2375, 2384, 2401-2402, 2420, 2424, 2449, 2452, 2461, 2471, 2490, 2510, 2519, 2539, 2556-2557, 2601-2602, 2610, 2626, 2639, 2644, 2672, 2682, 2725, 2762, 2765, 2781, 2789, 2794-2795, 2804, 2811, 2826, 2858, 2881, 2914, 2917, 2919, 2921, 2974-2975, 2978, 2991, 2996, 3014, 3103, 3132, 3138, 3148, 3168, 3171, 3184-3185, 3192, 3197-3198, 3247, 3249, 3251, 3257, 3260, 3262, 3279-3280, 3286, 3292, 3300-3301, 3306, 3314, 3317, 3321, 3331, 3373, 3377, 3388, 3400-3401, 3411, 3420, 3441-3442, 3448, 3478-3479, 3561-3562, 3592, 3630, 3634, 3636-3637, 3641, 3650, 3653, 3656, 3672-3673, 3725, 3752, 3785, 3789, 3807, 3813, 3823, 3839, 3917, 3924, 3971, 3984, 3999, 4001-4002, 4012, 4040, 4049, 4075, 4083, 4090, 4094, 4112, 4138, 4150, 4195, 4200, 4211, 4221, 4227, 4255, 4267, 4281, 4292, 4330, 4334, 4343, 4371, 4393-4395, 4406, 4409, 4413, 4416, 4421, 4443, 4479, 4485, 4516

CALCIUM-BINDING PROTEIN, VITAMIN D-DEPENDENT: 709, 2812, 2965, 3185

CALCIUM CHLORIDE: 950, 4211

CALCIUM-DEPENDENT REGULATOR: 756, 902, 3448

CALCIUM, DIETARY: 49, 102, 390, 463, 477, 1236, 1913, 3186

CALCIUM GLUCONATE: 1419

CALCIUM HYDROXIDE: 173

CALCIUM METABOLISM DISORDERS: 1932, 1967, 3260

CALCIUM PHOSPHATES: 2335

CALCIUM RADIOISOTOPES: 1932, 3321, 4001-4002

CALORIC INTAKE: 119, 2033, 3312, 4034

CALORIMETRY: 1096

CAMELS: 1215

CANARIES: 1682

CANDIDA ALBICANS: 1077, 2446

CANNABINOID: 854

CANNABINOL: 854

CANNABIS: 1931, 2236, 2621

CANRENONE: 163

CAPILLARIES: 115, 179, 2421, 2944, 3089, 3096, 3392

CAPILLARY PERMEABILITY: 206, 437, 447, 1693, 1708, 2077, 2414

CAPRYLATES: 4209

CAPSULES: 731

CARBACHOL: 407, 653, 895, 1318, 1409, 1709, 2476, 3063, 3562

CARBAMAZEPINE: 1183, 4382

CARBAMYL PHOSPHATE: 2223

CARBIMAZOLE: 562, 1632

CARBOHYDRATE DEHYDROGENASES: 1863

CARBOHYDRATES: 42, 53, 605, 770, 1673, 1840, 1915, 1986, 2164, 2935, 3592, 4043, 4163, 4472-4473

CARBON DIOXIDE: 76, 98, 1485, 2282, 2312, 2390, 2569, 2959, 4478

CARBON MONOXIDE: 2984, 3978

CARBON RADIOISOTOPES: 453, 622, 965, 1057, 1892, 2590, 3661, 3840

CARBON TETRACHLORIDE: 27, 776

CARBON TETRACHLORIDE POISONING: 2330, 2403, 3502

CARBONIC ANHYDRASE: 3325, 3640

CARBONYL CYANIDE

M-CHLOROPHENYL HYDRAZONE: 1052, 2449

CARBONYL CYANIDE

P-TRIFLUOROMETHOXYPHENYLHYDR: 3593, 3924

CARBOXY-LYASES: 1035, 1604, 1816, 1851, 2375, 2756, 3076, 3207, 4126

L-CARBOXYGLUTAMIC ACID: 2069, 2374-2375

CARBOXYLIC ACIDS: 811

CARBOXYLIC ESTER HYDROLASES: 563

CARCINOEMBRYONIC ANTIGEN: 798, 920-921, 1031, 1082, 1666, 1675, 1685, 3891

CARCINOGENS: 177, 559, 1245, 1869, 2342, 2893, 2896

CARCINOGENS, ENVIRONMENTAL: 2971, 3820

CARCINOID HEART DISEASE: 2366

CARCINOID TUMOR: 1082, 1154, 1391, 1826, 3761-3762

CARCINOMA: 92, 272, 404, 782, 920-921, 1108, 1253, 1272, 1365, 1392, 1442, 1454, 1474, 1773, 2002, 2101, 2147, 2354, 2709, 2761, 2952, 3059, 3232, 3302, 3457, 3682, 3859, 4265, 4454-4455

CARCINOMA 256, WALKER: 618, 4293

CARCINOMA, BASAL CELL: 1940

CARCINOMA, BRONCHIOAL: 4341

CARCINOMA, BRONCHOGENIC: 272, 755, 1740

CARCINOMA, DUCTAL: 62, 861

CARCINOMA, EHRlich TUMOR: 365, 889, 1412, 2641, 3129, 3768

CARCINOMA, EPIDERMAL: 177, 272, 435, 782, 1245, 2896, 3078, 4426, 4453

CARCINOMA IN SITU: 3821

CARCINOMA, KREBS 2: 1949

CARCINOMA, MUCINOUS: 899, 1562

CARCINOMA, OAT CELL: 272, 755, 1082, 1108, 1573, 2631, 3318, 3349, 3762, 4047

CARCINOMA, PAPILLARY: 285, 1365, 1474, 2896, 3408, 3584, 3728, 3936

CARCINOMA, SCIRRHUS: 384

CARCINOSARCOMA: 1474, 2587, 2896, 3065

CARDIAC OUTPUT: 433, 452, 473, 836, 839, 871, 1645, 1927, 2072, 3083, 3416, 3474, 3702

CARDIAC TAMPONADE:



# SUBJECT INDEX

- CARMUSTINE: 1108, 3230  
 CARNITINE: 641, 3192  
 CARNIVORA: 260, 1649, 3358, 4225  
 CAROTENOIDS: 2993  
 CAROTID ARTERIES: 2109, 2505, 4171  
 CAROTID ARTERY, INTERNAL: 2505  
 CAROTID BODY: 5, 89  
 CAROTID SINUS: 1124, 2442  
 CARP: 1018, 1843, 2314, 3820  
 CARRAGEENAN: 1225, 1671  
 CARRIER PROTEINS: 59, 160, 189, 610, 709, 756, 902, 929, 1008, 1083, 1122, 1662, 1722, 2335, 2375-2376, 2591, 2682, 2812, 2965, 3301, 3306, 3448, 3561, 3653, 3711, 3777, 3986, 4006, 4040, 4195, 4267, 4394  
 CARRIER STATE: 911, 4041  
 ARTICAGE: 437, 793, 1252, 1462, 1769, 2325, 2570, 2913, 3343, 4153  
 ARTICAGE, ARTICULAR: 793, 948, 3380, 4242  
 ARTICAGE DISEASES: 948, 3946  
 ASEIN: 798, 1089, 1093-1094, 3124, 3521, 3729, 4212, 4217  
 ASTRATION: 16, 23, 30, 101, 129, 157, 252, 260, 267, 290, 293, 299, 315, 390, 415, 450, 612-613, 623, 670, 684-685, 702, 725, 735, 817-818, 869-870, 881, 888, 897, 991-992, 1049, 1121, 1129, 1164-1165, 1173, 1227, 1517, 1642, 1669, 1673, 1706, 1713, 1953, 1998, 2016, 2039, 2046, 2151, 2153-2154, 2160, 2231, 2276, 2304, 2316, 2344, 2369, 2376, 2407, 2448, 2479, 2558, 2574, 2578, 2678, 2708, 2714-2715, 2796, 2808, 2852, 2902, 2905, 2956, 2967, 2972, 2989, 3024, 3066, 3079, 3108, 3151, 3161, 3246, 3326, 3335, 3359, 3416, 3455, 3508, 3544, 3568, 3623, 3638, 3661, 3696, 3701, 3717-3718, 3770, 3780, 3790, 3819, 3852-3853, 3876, 3887, 3983, 3994, 4105, 4121, 4132, 4141, 4190, 4222, 4287, 4300, 4307, 4339, 4354, 4379-4380, 4383, 4387  
 AT DISEASES: 2677, 2967  
 ATALASE: 2262, 3709  
 ATALEPSY: 368, 627, 1371, 3264, 3398  
 ATALYSIS: 180, 1020, 2503, 3375  
 ATATONIA: 1512, 2265, 3491  
 ATTECHOL METHYLTRANSFERASE: 303, 4126  
 ATTECHOLAMINES: 47, 170, 243, 327, 334-335, 376, 449, 458, 484, 616, 633, 657, 703, 847, 978, 1053, 1061, 1188, 1232, 1371, 1428, 1472, 1621, 1716, 1810, 1858, 1955, 2047, 2081, 2116, 2148, 2242, 2363, 2489, 2544, 2615, 2899, 2954, 2964, 3017, 3020, 3125, 3147, 3296, 3300, 3603, 3698, 3863, 3929, 4120, 4124, 4137, 4140, 4149, 4189, 4229, 4285, 4326, 4389, 4401, 4429  
 ATTECHOLS: 2984  
 ATARTICS: 2208  
 ATHEPSINS: 898, 1119, 1218, 1307, 1470  
 ATETHERIZATION: 236, 1464, 2771, 3798  
 ATIONS: 449, 1669, 2557, 3388, 3411, 3448, 3908, 4138  
 ATIONS, DIVALENT: 401, 512, 608, 1447, 2453, 2881  
 ATIONS, MONOVALENT: 962, 2022  
 ATS: 74, 96-97, 199-200, 209, 322, 342, 345, 634, 688, 730, 875, 883, 934, 958, 1128, 1157, 1189, 1307, 1313, 1322, 1335, 1495, 1568, 1637, 1645, 1647, 1705, 1742, 1915, 1993, 2026, 2191, 2331, 2389, 2414, 2435, 2442, 2460, 2574, 2605, 2677, 2702, 2784, 2894, 2898, 2967, 2973, 3089, 3103, 3112, 3177, 3259, 3284, 3434, 3442, 3463, 3465, 3512, 3620, 3838, 3922, 3935, 4242, 4271, 4285, 4447  
 ATTLE: 83, 132, 205, 240, 250, 281-282, 320, 353, 355-356, 405, 432, 443, 449, 468, 471, 484, 496, 543-544, 577, 708, 772, 778, 845, 857, 864, 938, 1001-1002, 1025, 1063, 1119, 1220, 1224, 1278, 1417, 1491, 1505, 1527, 1533, 1546, 1613, 1618, 1659, 1755, 1758, 1769, 1875, 1904, 1924, 2025, 2027, 2059, 2097, 2109, 2116, 2118, 2127, 2209, 2222, 2240-2241, 2289, 2322, 2367, 2521, 2634, 2669, 2764-2765, 2793, 2831, 2865, 2897, 2904, 2935, 3017, 3040, 3075, 3079, 3198, 3222, 3305, 3346, 3488, 3530, 3593, 3653, 3738, 3771, 3788, 3810, 3813, 3817, 3868, 3897, 3908, 3919, 3928, 3934-3935, 3951, 3978, 4018, 4016-4027, 4067, 4090, 4102, 4194, 4270, 4312-4313, 4367, 4404, 4424, 4432, 4477  
 ATTLE DISEASES: 83, 205, 845, 1025, 1924, 2222, 2904, 4027, 4067  
 AUCASOID RACE: 1127, 1723, 2730  
 CAUDATE NUCLEUS: 822, 1741, 1898, 2746, 2973, 2986, 3316, 3434, 3602, 3669, 4019, 4313  
 CAVERNOUS SINUS: 4204  
 CELIAC DISEASE: 3164  
 CELL ADHESION: 601, 1828, 3591, 4293  
 CELL AGGREGATION: 2946  
 CELL COMMUNICATION: 2303, 2459, 2789  
 CELL COMPARTMENTATION: 2312, 3813  
 CELL COUNT: 1796, 3074, 3150, 3604  
 CELL CYCLE: 749, 1219, 1341, 2329, 2562, 2588, 2647, 2979, 3281, 4212, 4227  
 CELL DIFFERENTIATION: 87, 373, 559, 587, 990, 1089, 1285, 1350, 1459-1460, 1462, 1524, 1711, 1734-1735, 1833, 2385, 2447, 2822, 2942, 3172, 3342, 3366, 3397, 3439, 3566, 3592, 3674-3675, 3846, 3885, 4151, 4229, 4399, 4440, 4481  
 CELL DIVISION: 62, 87, 142, 161, 230, 377, 384, 555, 559, 689, 739, 1093, 1285, 1330, 1538, 1562, 1628, 2174, 2362, 2385, 2447, 2641, 2893, 2924, 2939, 2956, 2979, 3294, 3341-3342, 3377, 3397, 3459, 3612, 3674, 4170, 4244, 4299, 4411  
 CELL FRACTIONATION: 3314, 4035, 4434  
 CELL-FREE SYSTEM: 672, 1228, 1669, 1974, 2449, 3306, 3784, 4270  
 CELL FUSION: 2641, 3193, 3592  
 CELL LINE: 41, 62, 90, 230, 339, 384, 407, 458, 466, 555, 749, 1059, 1093-1094, 1096, 1243, 1285, 1341, 1375, 1420, 1460, 1524, 1548, 1565, 1578, 1604, 1711, 1736, 1905, 2174, 2273, 2406, 2539, 2650, 2776, 2794, 2797, 2856, 2859, 2939, 2979, 2982, 3193, 3341-3342, 3362, 3366, 3368, 3439, 3536, 3747, 3826, 3836, 3867, 3885, 4014, 4229, 4361, 4411, 4460  
 CELL MEMBRANE: 90, 118, 144, 196, 259, 336, 365, 401, 445, 498, 576, 608, 610, 686, 728, 889, 962, 980, 996, 1004, 1036, 1075, 1096, 1257, 1285, 1402, 1479, 1524, 1668, 1701, 1781, 1905, 1936, 1966, 2035, 2060, 2070, 2118, 2322, 2353, 2357, 2366, 2394, 2415, 2472, 2550, 2556, 2606, 2644, 2705, 2793, 2853, 2933, 2939, 2957, 3042, 3056, 3069, 3132, 3135, 3251, 3280, 3301, 3377, 3387, 3442, 3563, 3644, 3947, 4023-4024, 4040, 4063-4065, 4081, 4259, 4261, 4412, 4434, 4436, 4444, 4473, 4477  
 CELL MEMBRANE PERMEABILITY: 127, 576, 593, 1479, 1853, 2441, 2869, 3181, 3262, 3561, 4312, 4329, 4413  
 CELL MIGRATION INHIBITION: 308, 3055  
 CELL MOVEMENT: 87, 601, 1039, 2074, 2358, 2612, 2789  
 CELL NUCLEOLUS: 198, 2413  
 CELL NUCLEUS: 22, 93, 118, 131, 161, 188, 198, 258, 289, 415, 499, 509, 555, 652, 702, 718, 726, 755, 769, 848, 869, 929, 987, 996, 1115, 1144, 1158, 1319, 1606, 1608, 1668, 1717, 1801, 1833, 1944, 2059, 2151, 2232, 2309, 2330, 2640, 2679, 2808, 2812, 2818, 2822, 2833, 2836, 2924, 2937, 2952, 3030, 3116, 3135, 3373, 3536, 3608, 3627, 3703, 3708, 3737, 4141, 4170, 4174, 4208, 4275  
 CELL NUMBER: 663, 1219, 1357, 1770, 1944, 2019, 2708, 2864, 3191, 3347, 4046, 4244, 4293, 4411, 4442  
 CELL SEPARATION: 386, 1630, 1828, 2552, 2679, 3113, 3774, 3796, 4045, 4296  
 CELL SURVIVAL: 62, 142, 181, 879, 1460, 1839, 2131, 2368, 2937, 2939, 3081, 3259  
 CELL TRANSFORMATION, NEOPLASTIC: 90, 377, 975, 1191, 1219, 1332, 1538, 2789, 3774, 4233, 4469  
 CELL TRANSFORMATION, VIRAL: 2957  
 CELLS: 1462, 2459, 4007, 4485  
 CELLS, CULTURED: 25, 230-231, 256, 281, 301, 336, 339, 434, 499, 507, 509, 556, 686, 689, 782, 793, 935, 1056, 1082, 1089, 1101, 1163, 1166, 1200-1201, 1219, 1342, 1349, 1404, 1412, 1479, 1668, 1734, 1748, 1771-1772, 1839, 2118, 2173, 2303, 2350, 2501, 2590, 2606, 2641, 2789, 2811, 2843, 2881, 2942, 2957, 3220, 3294, 3347, 3397, 3400, 3459, 3592, 3796, 3831, 3880, 3995, 3998, 4079, 4099, 4130, 4186, 4211, 4248-4250, 4288, 4296, 4298-4299, 4360, 4468, 4481  
 CELLULAR INCLUSIONS: 46, 3146, 3655  
 CELLULOSE: 828, 4022, 4029, 4083  
 CENTRAL NERVOUS SYSTEM: 379, 648, 872, 1292, 1535, 1709, 1720, 1919, 1955, 2030, 2910, 2964, 3781, 4076, 4156, 4260  
 CENTRAL NERVOUS SYSTEM AGENTS: 259, 492, 624  
 CENTRAL NERVOUS SYSTEM DISEASES: 1381, 2486, 2551, 2625, 4355  
 CENTRIFUGATION, DENSITY GRADIENT : 672, 1491, 1520, 1618, 1714, 2059, 2169, 2235, 2272, 2453, 3031, 3373, 3729, 3886  
 CENTRIOLES: 2924  
 CENTROPHENOXINE: 2120, 3296  
 CEPHALOMETRY: 326, 1284, 1753, 3189  
 CEPHALOSPORINS: 1006, 2603  
 CEPHALOTHIN: 2815  
 CERCOPITHECUS: 266  
 CERCOPITHECUS SABLEUS: 1980  
 CEREBELLAR CORTEX: 367  
 CEREBELLAR NEOPLASMS: 261, 2686  
 CEREBELLAR NUCLEI: 666, 774  
 CEREBELLUM: 52, 342, 367-370, 491, 934, 1032, 1254, 1330, 1349, 1597, 1834, 2461, 2543, 2731, 3095, 3574, 3772, 4075  
 CEREBRAL ANEURYSM: 3977, 4331  
 CEREBRAL ANGIOGRAPHY: 313  
 CEREBRAL AQUEDUCT: 3072, 3491  
 CEREBRAL ARTERIES: 77  
 CEREBRAL ARTERIOSCLEROSIS: 1102  
 CEREBRAL ARTERY DISEASES: 464, 2259  
 CEREBRAL CORTEX: 179, 200, 342, 381, 947, 1032, 1254, 1414, 1834, 1917, 1951, 2026, 2397, 2448, 2549, 2578, 2894, 3095-3096, 3098, 3108, 3296, 3325, 3390, 3434, 3496, 3589, 3602, 3772, 3900, 4000, 4082, 4122, 4239  
 CEREBRAL EMBOLISM AND THROMBOSIS: 899, 2259  
 CEREBRAL HEMORRHAGE: 65, 899, 1102, 4331  
 CEREBRAL INFARCTION: 65, 2259  
 CEREBRAL ISCHEMIA: 2414  
 CEREBRAL VENTRICLE NEOPLASMS: 1938, 4115  
 CEREBRAL VENTRICLES: 77, 2055, 2397, 3072  
 CEREBROSPINAL FLUID PROTEINS: 1294  
 CEREBROSPINAL FLUID SHUNTS: 313, 1598, 3942  
 CEREBROVASCULAR CIRCULATION: 1102, 1598, 4160  
 CEREBROVASCULAR DISORDERS: 65, 470, 774, 1016, 1985, 2532, 2615, 3145, 3878  
 CERULOPLASMIN: 3587  
 CERVICAL PLEXUS: 2468, 4256  
 CERVICAL VERTEBRAE: 1107, 1187  
 CERVIX DYSPLASIA: 3821, 4032, 4378  
 CERVIX HYPERTROPHY: 2342  
 CERVIX MUCUS: 788  
 CERVIX NEOPLASMS: 176, 1009, 1256, 2107, 2203, 2926, 3322, 3426, 3462, 3821, 3891, 4032, 4378  
 CERVIX UTERI: 661, 1009, 3081, 3277, 3710, 3821, 4029  
 CESAREAN SECTION: 766, 820, 1586, 4172  
 CESTODE INFECTIONS: 1351  
 CHALCONE: 3644  
 CHALONES: 1264, 1628, 4186  
 CHARCOAL: 2709, 2819  
 CHEDIAK-HIGASHI SYNDROME: 1974  
 CHEEK: 663, 715, 860, 1672, 1809, 4442  
 CHEMICAL INDUSTRY: 3492  
 CHEMISTRY: 284, 864, 1020, 1071, 1083, 1462, 1491, 1503, 1720, 1824, 1909, 1990, 2007, 2211, 2326, 2456, 2459, 2514, 2637, 2787, 2919, 2978, 3218, 3365, 3572, 3777, 3901, 4156, 4203, 4326, 4386  
 CHEMISTRY, PHARMACEUTICAL: 6, 744, 2006, 2406, 2454, 3569, 4458-4459, 4493  
 CHEMISTRY, PHYSICAL: 3158, 3661, 3778, 4155  
 CHEMORECEPTORS: 1540  
 CHEMOTAXIS: 1494  
 CHEMOTAXIS, LEUKOCYTE: 1071, 1672, 2094, 2446, 2842, 3042  
 CHICK EMBRYO: 218, 930, 1201, 1259, 1331, 1554, 1839, 1876, 2309, 2374, 2610, 2882, 2969, 3136, 3592, 4248, 4481  
 CHICKENPOX: 1137  
 CHICKENS: 5, 74, 135, 197, 218, 482, 624, 659, 709, 928-929, 1057, 1236, 1259, 1327, 1371, 1438, 1468, 1596, 1609, 1668, 1813, 1863, 1895, 2265, 2325, 2375, 2509, 2812, 2818, 2882, 2913, 2959, 2965, 2978, 2983, 3052, 3160, 3162, 3186, 3197, 3315, 3572, 3585, 3658, 3660, 3758, 3812, 3831, 3941, 3991, 4211, 4230, 4324, 4340, 4431, 4463  
 CHILD: 35, 39, 49, 58, 65, 71, 92, 106, 108-109, 143, 227-228, 285, 295-296, 299, 302-303, 309,



# SUBJECT INDEX

- 313, 315, 318, 378, 383, 431, 521, 533, 558, 569, 583, 593, 595, 597, 599, 643, 700, 716, 807, 829-830, 846, 874, 894, 917, 925, 927, 954, 1022, 1026, 1033, 1042, 1065, 1074, 1078, 1117, 1169, 1176-1177, 1183, 1200, 1208-1209, 1211, 1246, 1284, 1291, 1301, 1320, 1324, 1367, 1415-1416, 1430, 1454, 1483, 1515, 1556-1557, 1579, 1584-1585, 1600, 1622, 1633, 1636, 1680-1681, 1710, 1718, 1726, 1744, 1747, 1777-1779, 1800, 1817, 1873, 1881, 1922, 1935, 1950, 1977, 2002, 2028, 2049-2050, 2106, 2110, 2114, 2128, 2144, 2146, 2168, 2176, 2180, 2196, 2207, 2275, 2279, 2307, 2313, 2324, 2327, 2340-2341, 2399, 2408, 2411, 2413, 2486, 2496, 2555, 2596, 2638, 2654, 2658, 2772, 2778, 2792, 2813, 2889, 2903, 2923, 2961, 2968, 2977, 3016, 3034-3035, 3038, 3041, 3072, 3080, 3120, 3125, 3130, 3157, 3168, 3205, 3245, 3253, 3289, 3322, 3378, 3389, 3402, 3437, 3447, 3449, 3558, 3567, 3584, 3605, 3613, 3635, 3643, 3647, 3688-3691, 3706, 3720-3721, 3728, 3732, 3769, 3782, 3795, 3808, 3811, 3825, 3856, 3866, 3875, 3893-3895, 3931, 3937, 3942, 3949, 3989, 4004, 4028, 4036, 4050, 4052, 4078, 4100, 4123, 4131, 4153, 4163, 4168, 4191, 4201-4202, 4214, 4220-4221, 4231, 4237, 4272, 4344, 4348, 4355, 4359, 4363, 4433, 4475, 4490, 4516
- CHILD BEHAVIOR:** 2050, 3545  
**CHILD BEHAVIOR DISORDERS:** 2496  
**CHILD NUTRITION:** 3168  
**CHILD, PRESCHOOL:** 35, 39, 58, 106, 108, 295, 302, 315, 318, 420, 521, 582, 595, 680, 700, 716, 830, 894, 927, 940, 954, 1026, 1033, 1042, 1065, 1137, 1169, 1176, 1200, 1209, 1211, 1246, 1291, 1320, 1367, 1415, 1476, 1482-1483, 1556, 1579, 1584-1585, 1622, 1636, 1680-1681, 1718, 1747, 1754, 1777, 1779, 1800, 1817, 1950, 2049-2050, 2106, 2114, 2162, 2176, 2196, 2227, 2324, 2411, 2486, 2496, 2638, 2750, 2778, 2889, 2961, 2980, 3130, 3168, 3174, 3231, 3272, 3289, 3378, 3437, 3567, 3613, 3618, 3635, 3649, 3688, 3691, 3732, 3746, 3782, 3795, 3811, 3828, 3856, 3866, 3894, 3931, 3942, 3989, 4036, 4050, 4091, 4123, 4128, 4221, 4231, 4272, 4348, 4355, 4384, 4418, 4480, 4516
- CHILD REARING:** 1192  
**CHINCHILLAS:** 1346  
**CHIPMUNKS:** 2640  
**CHITIN:** 4314  
**CHLORAL HYDRATE:** 409  
**CHLORAMBUCIL:** 638, 2207, 3456, 4482  
**CHLORAMINES:** 988, 2202  
**CHLORAMPHENICOL:** 697, 740, 2666  
**CHLORDIAZEPOXIDE:** 515  
**CHLORIDES:** 958, 1195, 1373, 1698, 1727, 1783, 1859, 2957, 3813, 4255, 4312, 4371  
**CHLORIMIPRAMINE:** 1281, 2083, 4085  
**CHLORINE:** 772  
**CHLORMADINONE:** 270, 848, 1095, 2589  
**CHLORMETHAMPHETAMINE:** 1280  
**P-CHLOROAMPHETAMINE:** 733, 837, 1279-1280, 1595, 2133, 2445, 2623, 2671, 4456  
**CHLOROFORM:** 1676  
**CHLOROMERCURIBENZOATES:** 131, 166, 1052, 4194  
**CHLOROMERCURIPHENYLSULFONATE:** 3292  
**CHLOROPHENOLS:** 2120  
**P-CHLOROPHENYLALANINE:** 145, 736, 837, 872, 1182, 1369, 1607, 1995, 2082, 2445, 2582, 2671, 2785, 2902, 3006, 3043-3044, 3381, 3546, 3749, 3968, 4258, 4456  
**CHLOROPLASTS:** 4209  
**CHLOROQUINE:** 140-141, 3090, 4348  
**CHLOROTHIAZIDE:** 2711  
**CHLORPHENIRAMINE:** 4, 237  
**CHLORPHENTERMINE:** 1933  
**CHLORPROMAZINE:** 82, 381, 1163, 2117, 2851, 2876, 3095, 3097  
**CHLORPROPAMIDE:** 2892  
**CHLORQUINALDOL:** 3903  
**CHLORTHALIDONE:** 2480, 3505  
**CHOICE BEHAVIOR:** 1939, 4365  
**CHOLANGIOMA:** 1392, 1457  
**CHOLECALCIFEROLS:** 202, 254, 388, 706, 709, 713, 928, 1057, 1612, 1722, 2424, 2509-2510, 2907, 2965, 2978, 3014, 3186, 3789, 4094, 4192  
**CHOLECYSTECTOMY:** 1958  
**CHOLECYSTOKININ:** 216, 523, 662, 3947  
**CHOLERA TOXIN:** 90, 175, 749, 1087, 1228, 1257, 1479, 1564, 1905, 2118, 2173, 2651, 2816, 2908, 3867
- CHOLESTADIENES:** 1722  
**CHOLESTANES:** 1892  
**CHOLESTANOLS:** 4270  
**CHOLESTASIS:** 363, 2117  
**CHOLESTEROL:** 16, 30, 387, 508, 517, 586, 645, 675, 859, 975, 991, 1019, 1075, 1077, 1183, 1242, 1356, 1398, 1518, 1655, 2080, 2155, 2413, 2568, 2881-2882, 3181, 3293, 3297, 3570, 3655, 3784, 3993, 4006, 4033, 4099, 4127, 4155, 4270, 4456  
**CHOLESTEROL DESMOLASE:** 387, 3978  
**CHOLESTEROL, DIETARY:** 4384  
**CHOLESTEROL ESTERASE:** 563  
**CHOLESTEROL ESTERS:** 3655, 4430  
**CHOLESTEROL-7-HYDROXYLASE:** 2568, 2622  
**CHOLESTYRAMINE:** 739, 2622  
**CHOLINE:** 333, 1096, 1485, 1696, 2328, 3634, 4301  
**CHOLINE ACETYLTRANSFERASE:** 797, 1059, 1641, 1741, 2468, 4236  
**CHOLINERGIC FIBERS:** 2469  
**CHOLINESTERASE INHIBITORS:** 1372, 2328  
**CHOLINESTERASES:** 878, 1147, 3808  
**CHONDROCALCINOSIS:** 2995, 4284  
**CHONDROSARCOMA:** 118, 1078  
**CHORDOTOMY:** 1677, 3620, 4286  
**CHORIOADENOMA:** 1889  
**CHORIOCARCINOMA:** 177, 230, 301, 359, 579, 1069, 1886, 1889, 2302, 2817, 3057, 3462, 3532, 3958, 4233  
**CHORION:** 530, 1393  
**CHORISTOMA:** 351, 1901, 4332  
**CHOROID NEOPLASMS:** 1901, 4332  
**CHOROID PLEXUS:** 3105  
**CHROMAFFIN GRANULES:** 223, 443, 1944, 3208, 3593  
**CHROMAFFIN SYSTEM:** 74, 170, 443, 534, 1433, 1944, 2389, 2469, 3208, 3239, 3593, 3997  
**CHROMATIDS:** 3117  
**CHROMATIN:** 198, 289, 323, 704, 726, 1668, 1852, 2593, 2679, 2822, 2942, 3642, 4184, 4275  
**CHROMATOGRAPHY:** 265, 577, 1921, 2027, 4030  
**CHROMATOGRAPHY, AFFINITY:** 151-152, 950, 1440, 1537, 2511, 3835, 3878, 4281, 4415  
**CHROMATOGRAPHY, AGAROSE:** 1491, 3878  
**CHROMATOGRAPHY, DEAE-CELLULOSE:** 1001, 1230, 1897, 2235, 2352, 3158, 3281, 3373, 3483  
**CHROMATOGRAPHY, GAS:** 187, 419, 944, 963, 1911, 2337, 2521, 2971, 3087, 3285  
**CHROMATOGRAPHY, GEL:** 272, 782, 1009, 1020, 1283, 1536, 1758, 1815, 1921, 2118, 2272, 2352, 2530, 2787, 2843, 3252, 3281, 3369, 3373, 3422, 3462, 3503, 3745, 3777, 3925, 3970, 4078, 4281, 4321, 4392  
**CHROMATOGRAPHY, HIGH SPEED LIQUID:** 6, 126, 751, 928, 1303, 1619, 1838, 3523, 3873, 4089  
**CHROMATOGRAPHY, ION EXCHANGE:** 195, 197, 1009, 1333, 3252, 3422, 3503  
**CHROMATOGRAPHY, LIQUID:** 1260, 2521, 4102  
**CHROMATOGRAPHY, PAPER:** 2943  
**CHROMATOGRAPHY, THIN LAYER:** 182, 419, 1429, 1536, 1651, 2100, 2326, 2590, 2816, 2900, 4102, 4270, 4374  
**CHROMATOPHORES:** 2993  
**CHROMIUM-COBALT ALLOYS:** 2821  
**CHROMOGRANINS:** 443, 864, 4389  
**CHROMOMYCINS:** 3486  
**CHROMOSOMAL PROTEINS, NON-HISTONE:** 3835  
**CHROMOSOME ABERRATIONS:** 323, 427, 663, 842, 1093, 1200, 1562, 1945, 2214, 2302, 2399, 2767, 2940, 3117, 3174, 3567, 4073, 4218, 4237  
**CHROMOSOME ABNORMALITIES:** 1406, 1646, 2646, 2726, 2940, 3117  
**CHROMOSOME BANDING:** 2588, 2641  
**CHROMOSOME DELETION:** 24, 86, 4159  
**CHROMOSOME MAPPING:** 414, 2356  
**CHROMOSOMES:** 142, 198, 289, 1115, 1200, 2221, 2302, 2588, 2641, 4073, 4237  
**CHROMOSOMES, HUMAN:** 943, 1094, 1809, 2646  
**CHROMOSOMES, HUMAN, 6-12:** 86, 339, 1130, 4513  
**CHROMOSOMES, HUMAN, 13-15:** 4513
- CHROMOSOMES, HUMAN, 16-18:** 1151, 4513  
**CHROMOSOMES, HUMAN, 21-22:** 4513  
**CHRONIC DISEASE:** 69, 159, 213, 275, 297, 363, 378, 437, 531, 542, 551, 571, 607, 615, 649, 911, 961, 1030, 1186, 1296, 1317, 1383, 1472, 1580, 1663, 1731, 1743, 1825, 1964, 2002, 2049, 2160, 2228, 2360, 2386, 2418, 2441, 2470, 2899, 2977, 3127, 3149, 3175, 3183, 3187, 3199, 3431, 3464, 3864, 3939, 3980, 4059, 4158  
**CHYMOTRYPSIN:** 2765, 3173  
**CILIA:** 576, 3455  
**CILIARY BODY:** 2930, 3987  
**CIMETIDINE:** 1455, 2613, 2636, 3263, 3433  
**CIRCADIAN RHYTHM:** 139, 264, 266, 372, 486, 592, 612, 850, 855, 858, 909, 969, 978, 1090, 1147, 1254, 1300, 1478, 1559, 1607, 1713, 1732-1733, 1782, 1798-1799, 1954, 2016-2017, 2043, 2153-2154, 2192, 2544, 2681, 2715, 2733, 2807, 2854, 3265, 3328, 3487, 3546, 3661, 3792, 3798, 3882, 3887, 3934, 3954-3955, 4051, 4101, 4135, 4263, 4336, 4442  
**CIRCULAR DICHROISM:** 43, 358, 1446  
**CISTERNA MAGNA:** 262, 648, 1157  
**CITRATE SYNTHASE:** 204  
**CITRATES:** 98, 254, 2335, 2424, 4255  
**CLEFT LIP:** 1492, 3449, 4123  
**CLEFT PALATE:** 289, 570, 1492, 3449, 4107, 4123  
**CLIMACTERIC:** 1005, 1885, 2160, 3395  
**CLIMATE:** 3758  
**CLINDAMYCIN:** 1006, 2815  
**CLITORIS:** 2009  
**CLOACA:** 1221, 3753-3754  
**CLOFIBRATE:** 739, 975  
**CLOMIPHENE:** 258, 427, 1029, 1481, 1771, 1805, 2019, 2142, 2298, 2497, 2947, 3297, 3842, 4232  
**CLONE CELLS:** 407, 559, 677, 890, 1181, 1562, 2004, 2447, 2979, 3341-3342, 3566, 3591, 3675  
**CLONIDINE:** 459, 1297, 1394, 1645, 2538, 2582, 2691, 2783, 2814, 2934, 3177, 3199, 3474, 4306  
**CLOPROSTENOL:** 1278, 1904, 3788  
**CLOSTRIDIOPEPTIDASE A:** 1462, 3104, 4129  
**CLOSTRIDIUM BOTULINUM:** 3286  
**CLOT RETRACTION:** 2204  
**CLOXACILLIN:** 4114  
**COAL TAR:** 1579  
**COBALT:** 267, 2460, 4080  
**COBALT RADIOISOTOPES:** 81, 315, 579, 630, 2111, 3046, 3154  
**COBRA VENOMS:** 1036, 2828, 3673  
**COCAINE:** 1409, 1784, 3304  
**COCARCINOGENESIS:** 2501, 2893  
**COCCIDIOIDOMYCOSIS:** 2478  
**COCKROACHES:** 4369  
**COELENTERATA:** 2321  
**COENZYME A:** 3918  
**COENZYME A SYNTHETASES:** 2639  
**COENZYMES:** 2452  
**COGNITION:** 85, 891  
**COGNITION DISORDERS:** 816  
**COITUS:** 21, 3710, 3855  
**COITUS INTERRUPTUS:** 3710  
**COLCHICINE:** 721, 812, 1766, 1984, 2612, 3670  
**COLD:** 602, 765, 1697, 1820, 2468, 2770, 2802, 2835, 3027, 3166, 3432, 3670, 3719, 4157, 4165, 4208  
**COLEOPTERA:** 1517  
**COLITIS:** 3154  
**COLITIS, ULCERATIVE:** 378, 3275  
**COLLAGEN:** 389, 412, 437, 487, 747, 1089, 1119, 1559, 1584, 1588, 1726, 2069, 2117, 2321, 2472, 2645, 2654, 2969, 2994, 3021, 3024, 3060, 3104, 3338, 3343, 3387, 3459, 3671, 3946  
**COLLAGEN DISEASES:** 942, 3440  
**COLLOIDS:** 1214, 3383  
**COLON:** 127, 534, 2131, 3419, 3971  
**COLONIC NEOPLASMS:** 3486, 3997, 4384, 4426  
**COLONY-FORMING UNITS ASSAY:** 242, 2228, 2399  
**COLONY-STIMULATING FACTOR:** 340, 1711  
**COLOR BLINDNESS:** 1345  
**COLORIMETRY:** 577, 3822  
**COLOSTRUM:** 83  
**COMA:** 3219  
**COMB AND WATTLES:** 1863  
**COMMUNICABLE DISEASES:** 1216, 1553  
**COMMUNITY MENTAL HEALTH CENTERS:** 1553



# SUBJECT INDEX

- COMPLEMENT: 112, 249, 607, 1286  
 COMPLEMENT 1 INACTIVATORS: 757  
 COMPLEMENT 3: 112  
 COMPLEMENT 4: 1173  
 COMPLEMENT ACTIVATION: 1768  
 COMPLEMENT FIXATION TESTS: 845  
 COMPUTERS: 225, 1600, 3046, 3240, 4405  
 CONCAVALIN A: 1141, 1285, 2152, 2300, 3295, 4380  
 CONDIMENTS: 2748  
 CONDITIONING (PSYCHOLOGY): 1410, 4322  
 CONDITIONING, CLASSICAL: 2810, 2938  
 CONDITIONING, OPERANT: 490, 768, 885, 1834, 2082, 2344  
 CONFLICT (PSYCHOLOGY): 1410  
 CONGRESSES: 292, 4487, 4493, 4495, 4522  
 CONNECTIVE TISSUE: 357, 2472, 3387, 4186  
 CONSANGUINITY: 1088, 1130, 1501  
 CONTACT INHIBITION: 4460  
 CONTINGENT NEGATIVE VARIATION: 3122  
 CONTRACEPTION: 274, 451, 1774, 2658, 3451, 3606, 3982, 4181  
 CONTRACEPTION BEHAVIOR: 3451  
 CONTRACEPTION, IMMUNOLOGIC: 3982  
 CONTRACEPTIVE AGENTS: 3229  
 CONTRACEPTIVE AGENTS, MALE: 916  
 CONTRACEPTIVE DEVICES: 21  
 CONTRACEPTIVE DEVICES, FEMALE: 3710, 4181, 4378  
 CONTRACEPTIVES, ORAL: 21, 109, 162, 183, 234, 465, 493, 590, 645, 714, 758, 823, 996, 1060, 1190, 1223, 1266, 1362, 1377, 1406, 1504, 1509, 1606, 1625, 1882, 2164, 2177, 2260, 2293, 2532, 2576, 2599, 2926, 2999, 3021, 3099, 3204, 3237, 3382, 3417, 3446, 3671, 3710, 3821, 3850, 4032, 4038, 4053, 4117, 4181, 4325, 4378, 4499-4500, 4506-4508  
 CONTRACEPTIVES, ORAL, COMBINED: 21, 465, 645, 2164, 2298, 2576, 2926, 3204, 3446, 4181  
 CONTRACEPTIVES, ORAL, HORMONAL: 137, 294, 363, 843, 1268, 1406, 1606, 1774, 2117, 2208, 2296, 2298, 2532, 2999, 3021, 3385, 3821, 3850, 4117, 4508  
 CONTRACEPTIVES, ORAL, SEQUENTIAL: 2298, 3204, 4486  
 CONTRACEPTIVES, ORAL, SYNTHETIC: 21, 162, 1308, 1611, 2037, 2260, 3417, 3671  
 CONTRACEPTIVES, POSTCOITAL: 274  
 CONTRACTILE PROTEINS: 1155  
 CONTRAST MEDIA: 1003, 1126, 1177, 1658, 1667, 3942, 4207  
 CONVULSIONS: 1143, 2507-2508, 2526, 3171  
 COPPER: 102, 291, 1984, 2025, 2453, 2997, 3509  
 COPULATION: 881, 2714, 3266, 4225, 4431  
 CORN: 316, 4521  
 CORNEA: 311, 1159, 2792, 2930, 3011, 4046  
 CORNEAL ULCER: 2007, 2427, 3128  
 CORONARY CIRCULATION: 99, 338, 1583, 1620, 3702, 4010, 4515  
 CORONARY DISEASE: 338, 428, 898, 903, 975, 1234, 1356, 1471, 1621, 1795, 1986, 2003, 2024, 2188, 2532, 2915, 3192, 3213, 3313, 3354, 3504, 3937, 3993, 4496  
 CORONARY VESSELS: 208, 353, 356, 1583, 2188, 3392, 3488, 4515  
 CORPORA QUADRIGEMINA: 1254  
 CORPUS CALLOSUM: 1741, 2455, 2460, 2998, 3926  
 CORPUS LUTEUM: 184, 320, 675, 1220, 1288, 1481, 1518, 1867, 1997, 2175, 2246, 2674, 2852, 3084-3085, 3176, 3551, 3619, 4008, 4225, 4432  
 CORPUS LUTEUM MAINTENANCE: 3735  
 CORPUS LUTEUM REGRESSION: 1220  
 CORPUS STRIATUM: 105, 367-368, 600, 1143, 1233, 1368, 1400, 1484, 1597, 1792, 1898, 2061, 2367, 2397, 2461, 2598, 2689, 2788, 2876, 2916, 3212, 3268, 3296, 3603, 3772, 3914, 3927, 4000, 4113, 4124, 4145  
 CORTICAL SYNCHRONIZATION: 2785  
 CORTICOSTERONE: 27, 32, 139, 157, 264, 317, 319, 504, 812, 850, 853, 885, 919, 970, 1035, 1085, 1147, 1251, 1269, 1303, 1331, 1348, 1661, 1729, 1738, 1816, 1834, 1946, 2011-2012, 2189, 2232, 2373, 2494, 2731, 2742, 2857, 3135, 3241, 3294, 3487, 3507, 3543, 3546, 3566, 3660, 3715, 3718, 3792, 3930, 3954-3955, 4015, 4103, 4126, 4197, 4336  
 CORTICOTROPIN: 46, 94, 156, 170, 195, 242, 256, 344, 372, 387, 484, 504, 517, 581, 631, 748, 759, 768, 781, 812, 852-853, 855, 917, 919, 923, 959, 984, 1035, 1055, 1082, 1085, 1112, 1167, 1178, 1269, 1313-1314, 1473, 1558, 1572, 1661, 1683, 1694, 1729, 1732-1733, 1825-1826, 1829, 1864, 1960-1961, 2045, 2092, 2105, 2154-2155, 2173, 2191-2192, 2217, 2257-2258, 2278, 2292, 2315, 2373, 2425, 2456, 2491, 2540, 2544, 2571, 2639, 2650, 2704, 2712, 2742, 2759, 2797, 2805, 2878, 2881, 2884, 2914, 2970, 2993, 3008, 3047, 3056, 3061, 3092, 3238, 3265, 3283, 3294, 3318-3319, 3349, 3368, 3405, 3442, 3449, 3452, 3470, 3507, 3522, 3535, 3543, 3550, 3609, 3675, 3677, 3762, 3775, 3889, 3921, 4007, 4093, 4127, 4135, 4144, 4157, 4169, 4182, 4197, 4231, 4273, 4285, 4308, 4392, 4442, 4448, 4484, 4519  
 CORTICOTROPIN RELEASING HORMONE: 245, 394, 504, 1269, 1694, 1848, 1916, 2382, 3487, 3543, 3775, 4129, 4465  
 CORTISONE: 1200, 1229, 1367, 1683, 1796, 1820, 2066, 2141, 2334, 2427, 2464, 2611, 2841, 2865, 3129, 3150, 3231, 3353, 3370, 3644, 3930, 4107, 4314  
 CORTODOXONE: 2937, 3745  
 COSTS AND COST ANALYSIS: 1204, 2798, 3788  
 COSYNTROPIN: 195, 759, 993, 1024, 3238  
 COTURNIX: 201-202, 1221, 1895, 2581  
 COUMARINS: 4102  
 COUNSELING: 2779, 3451  
 CRANIAL NERVE NEOPLASMS: 1211, 1636  
 CRANIAL NERVES: 1211  
 CRANIOFACIAL DYSTOSIS: 1492  
 CRANIOHARYNGIOMA: 1570, 2196, 2413  
 CRANIOTOMY: 2569  
 CREATINE: 136  
 CREATINE KINASE: 338, 1620-1621, 1778, 3681  
 CREATININE: 212, 558, 1030, 1242, 1386, 1559, 1566, 1637, 1925, 2247, 2401, 2703, 2974, 3386, 3616, 4240-4241, 4471  
 CRESOLS: 2225  
 CRETINISM: 2758  
 CRICETULUS: 1412  
 CRICETUS: 2043, 2874, 4208  
 CRIME: 863, 4322  
 CRIMINAL PSYCHOLOGY: 4322  
 CRITICAL CARE: 1894, 2284, 3245, 3827  
 CROSS-CULTURAL COMPARISON: 891  
 CROSS INFECTION: 2648  
 CROSS REACTIONS: 502, 771, 1624, 1893, 2297, 2463, 2530, 3305, 3483, 3553, 3886, 3930, 3988  
 CROSSES, GENETIC: 3625, 3665  
 CRUSH SYNDROME: 1982  
 CRUSTACEA: 2017  
 CRYOGENIC SURGERY: 3614  
 CRYOGLOBULINS: 1286  
 CRYOTHERAPY: 1778  
 CRYPTORCHISM: 58, 106, 427, 1352, 1439, 1456, 1737, 2944, 2967, 3036, 3272, 3639, 3654, 3845, 3981, 4151, 4220, 4372  
 CRYSTALLINS: 1017  
 CRYSTALLIZATION: 2321, 2925  
 CRYSTALLOGRAPHY: 3782  
 CUES: 695, 768, 1121, 3738  
 CULDOSCOPY: 1978, 2745  
 CULTURE: 2658  
 CULTURE MEDIA: 62, 91, 384, 434, 689, 706, 793, 1089, 1460, 1766, 2075, 2789, 3140, 3278, 3347, 4248, 4411  
 CURARE: 2919, 4371  
 CURETTAGE: 274  
 CUSHING'S SYNDROME: 286, 572, 917, 1026, 1253, 2045, 2191-2192, 2217, 2274, 2382, 2491, 2677, 2737, 2878, 2901, 3002, 3145, 3245, 3248, 3352, 3522, 3527, 3651, 3680, 3762, 3766-3767, 3921, 4308, 4392  
 CUTIS LAXA: 2824  
 CYANATES: 3539-3540  
 CYANIDES: 141, 410, 497, 776, 2020, 2783, 3178, 3826, 4259  
 CYANOGEN BROMIDE: 4281  
 CYANOSIS: 2465  
 CYCLAZOCINE: 2857  
 3',5'-CYCLIC AMP PHOSPHODIESTERASE: 144, 889, 1001, 1013, 1104, 1134, 1325, 1341, 1704, 1791, 2225, 3268, 3377, 3488, 3711, 4259, 4412, 4436  
 3',5'-CYCLIC GMP PHOSPHODIESTERASE: 1001, 1325, 1458, 2225  
 2',3'-CYCLIC NUCLEOTIDE  
 PHOSPHODIESTERASE: 2461, 3844, 4040  
 CYCLIZATION: 1824  
 CYCLOHEXANECARBOXYLIC ACIDS: 2818  
 CYCLOHEXANES: 2337  
 CYCLOHEXANONES: 3412  
 CYCLOHEXIMIDE: 135, 156, 482, 517, 812, 1269, 1387, 1604, 1694, 1760, 2151, 2155, 2167, 2174, 2350, 2378, 2937, 3022, 3362, 3502, 3749, 3853  
 CYCLOPENTANES: 3263  
 CYCLOPHOSPHAMIDE: 181, 247, 398, 416, 524-525, 599, 780, 999, 1108, 1357, 1523, 1592-1594, 1616, 1731, 1808, 2021, 2234, 2279, 2520, 2564, 2699, 3055, 3065, 3129, 3149-3150, 3230, 3456, 3626, 3816, 4077, 4139, 4290, 4370, 4422, 4471, 4482, 4490  
 CYCLOPROPANES: 3390  
 CYCLOSTOMES: 2287  
 CYNOMOLGUS MONKEYS: 788, 1429  
 CYPINIDAE: 956, 1374, 1843  
 CYPROHEPTADINE: 814, 1540, 2191, 2785, 3586  
 CYPROTERONE: 114, 221, 848, 1050, 1095, 2037, 3001, 4106  
 CYSTADENOCARCINOMA: 632, 1562, 1675  
 CYSTADENOMA: 632, 1332, 2896, 3809, 3958  
 CYSTADENOMA, MUCINOUS: 366, 2103, 3958  
 CYSTADENOMA, PAPILLARY: 416, 2896  
 CYSTATHIONINE GAMMA-LYASE: 2132  
 CYSTEINE: 1760, 2132, 2310  
 CYSTIC FIBROSIS: 3447  
 CYSTICERCOSIS: 1351  
 CYSTINE: 3466  
 CYSTINOSIS: 20, 582  
 CYSTS: 440, 566, 979, 1015, 1116, 1211, 1486, 1570, 2199, 2409, 2801, 3139, 3513, 3649, 4480  
 CYTARABINE: 1065, 1249, 1381, 1571, 1593, 2021, 4212, 4422  
 CYTIDINE: 1067  
 CYTIDINE DIPHOSPHATE  
 DIGLYCERIDES: 1067  
 CYTIDINE MONOPHOSPHATE: 308, 2483  
 CYTIDINE TRIPHOSPHATE: 4343  
 CYTOCHALASIN B: 721, 812, 2993, 4461  
 CYTOCHALASINS: 1243  
 CYTOCHROME C: 204  
 CYTOCHROME C-1: 740  
 CYTOCHROME OXIDASE: 2991  
 CYTOCHROME P-450: 387, 517, 812, 1575, 2020, 2089, 2622, 2695, 2830, 2972, 3530, 3928, 3978  
 CYTOCHROME REDUCTASES: 740, 2733, 2991  
 CYTOCHROMES: 553, 740, 3533  
 CYTODIAGNOSIS: 13  
 CYTOGENETICS: 3872, 4218  
 CYTOLOGICAL TECHNIQS: 1115, 2377, 3768  
 CYTOPLASM: 118, 258, 415, 498, 702, 755, 812, 1144, 1196, 1219, 1243, 1379, 1668, 1705, 1944, 2054, 2224, 2232, 2366, 2504, 2812, 2822, 2924, 3146, 4089, 4141, 4165, 4195  
 CYTOPLASMIC GRANULES: 74, 161, 256, 314, 534, 584, 587, 636, 864, 1154, 1533, 1547, 1608, 1759, 1802, 1908, 1910, 2199, 2278, 2315, 2392, 2469, 2482, 2782, 2993, 3085, 3094, 3170, 3396, 3559, 3886, 4023-4024, 4157, 4261  
 CYTOSINE NUCLEOTIDES: 2483  
 CYTOSOL: 22, 28, 44, 93, 131, 160, 188, 289, 410, 509, 570, 610, 672, 725, 738, 769, 784, 861, 869, 929, 987, 1009, 1083, 1158, 1251, 1319, 1325, 1422, 1440, 2022, 2034, 2059, 2071, 2118, 2169, 2235, 2376, 2408, 2830, 2833, 3023, 3030-3031, 3116, 3158, 3326, 3346, 3373, 3533, 3536, 3574, 3623, 3661, 3703, 3737, 3743, 3777-3778, 4022, 4136, 4170, 4174, 4361, 4364, 4400  
 CYTOTOXICITY, IMMUNOLOGIC: 25, 1163, 1357, 1768, 2546, 2939, 3113, 4360, 4468  
 CYTOTOXICITY TESTS, IMMUNOLOGIC: 3679

## D

- D 600: 3411  
 DACTINOMYCIN: 82, 129, 135, 599, 1334, 1387, 1760, 2167, 2174, 2267, 2509, 3022, 3362, 3502, 3657, 3794, 3853, 4206  
 DAIRY PRODUCTS: 496  
 DANAZOL: 757, 1653-1654, 3165



# SUBJECT INDEX

- DANSYL COMPOUNDS: 1233  
DANTROLENE: 940, 949, 1238, 2921, 3976  
DAPSONE: 88  
DARKNESS: 833, 2012, 2733, 3353, 4263, 4336  
DAUNOMYCIN: 1571, 1593, 2021, 4422  
DDT: 52  
DEAFNESS: 2943  
DEAFNESS, SUDDEN: 104  
DEALKYLATION: 553, 737, 1577, 2972  
DEAMINATION: 3477  
DEATH, SUDDEN: 4177  
DEBRISOQUIN: 3511  
DECALCIFICATION TECHNIC: 3131  
DECANOATES: 1347  
DECIDUA: 229, 1393, 2956, 4042  
DEER: 3632, 4041  
DEFECTIVE VIRUSES: 377  
DEFICIENCY DISEASES: 1389, 4193, 4320, 4516  
DEGLUTITION DISORDERS: 416  
DEHYDRATION: 83, 1525, 2892, 2938, 3827  
DEHYDROASCORBIC ACID: 1401  
DEHYDROEPIANDROSTERONE: 22, 171, 1723, 1961, 2534-2535, 2581, 3285, 3739, 4194, 4302  
DEITERS NUCLEUS: 3284  
DELAYED-ACTION PREPARATIONS: 161, 710, 744, 1774, 4458-4459  
DELIVERY: 318, 541, 1566, 2296, 2759  
DEMETHYLCHLORTETRACYCLINE: 868, 1526, 2821  
DEMYELINATING DISEASES: 2888  
DENDRITES: 2358, 2469, 2708  
DENERVATION: 47, 191, 323, 1124, 1545, 2011-2012, 2311, 2461, 2930, 2973, 2998, 3259, 4000, 4076, 4113  
DENSITOMETRY: 636, 2168  
DENTAL CARE: 2050, 3937  
DENTAL CARIES: 357, 3641  
DENTAL CEMENTUM: 472  
DENTAL ENAMEL: 1299  
DENTAL PLAQUE: 1981  
DENTAL PULP: 863, 1117  
DENTAL PULP CAPPING: 173  
DENTAL PULP CAVITY: 1324  
DENTIN: 1117  
DENTURE, COMPLETE: 239, 2980  
DENTURE, OVERLAY: 2980  
DEOXY SUGARS: 141, 300  
DEOXYADENOSINE: 2273, 4014  
DEOXYCHOLIC ACID: 1769  
DEOXYGLUCOSE: 141, 300, 919, 3491  
DEOXYRIBONUCLEASE: 3642  
DEPRENYL: 3356, 3726  
DEPRESSION: 381, 479, 514, 623, 825, 969, 1655, 2076, 2439, 2451, 2720, 2839, 3045, 3363, 3470, 3741, 3968, 3996, 4193  
DEPRESSION, CHEMICAL: 97, 100, 322, 345, 705, 851, 1438, 1640, 1642, 1920, 2401, 2429, 2719, 2748, 2818, 2890, 3111, 3266, 3917, 3961, 4136, 4140, 4428, 4457  
DEPRESSION, REACTIVE: 1879, 3363  
DERMATITIS: 128, 1940, 3902-3903  
DERMATITIS MEDICAMENTOSA: 128, 1900, 2252, 2800, 3443  
DERMATOGLYPHICS: 3506  
DERMATOMYCOSES: 3464  
DERMATOMYOSITIS: 3865, 4348  
DESIPRAMINE: 490, 492, 513, 2964, 3006, 3495, 3726, 3772, 4016, 4085  
DESLANOSIDE: 1637  
DESMOPRESSIN: 1339-1340, 2165, 2697, 2861, 3201, 3989  
DESMOSOMES: 1243, 2199, 2413, 3964  
DESOXIMETASONE: 1627  
DESOXYCORTICOSTERONE: 232, 372, 487, 572, 764, 1084, 1303, 1502, 1618, 1721, 1732, 1738, 1783, 2970, 3522, 3566, 3923, 4365  
DETERGENTS: 19, 980, 1020, 4432  
DEUTERIUM: 187, 944  
DEVELOPING COUNTRIES: 291  
DEXAMETHASONE: 46, 62, 156, 170, 188, 250, 276, 338, 377, 433, 466, 506, 517, 667, 684, 689, 718, 787, 802, 852-853, 917, 987, 993, 1053, 1058-1059, 1065, 1102, 1158, 1181, 1219, 1222, 1277, 1285, 1326, 1375, 1420, 1440, 1448, 1581, 1598, 1601, 1613, 1627, 1683, 1694, 1705, 1711, 1732-1735, 1816, 1833, 1846, 1874, 1960, 2011, 2174, 2187, 2231-2232, 2257, 2273, 2332, 2359, 2382, 2414, 2447, 2464, 2491, 2494, 2501, 2513, 2636, 2810, 2822, 2828, 2897, 2937, 2970, 2982, 3002, 3082-3083, 3113, 3241, 3293, 3362, 3405, 3439, 3464, 3522, 3550, 3566, 3715, 3836, 3911, 4014, 4026, 4170, 4206, 4308, 4331, 4349, 4411, 4462, 4469  
DEXTRANS: 44, 1222, 2709  
DEXTROAMPHETAMINE: 736, 1217, 2916, 3253  
DEXTROPHAN: 934  
DEXTROTHYROXINE: 739, 3418  
DIABETES INSIPIDUS: 165, 191, 268, 766, 830, 927, 1153, 1315, 1492, 1616, 1642, 2165, 2213, 2553, 2633, 2711, 2892, 2963, 3236, 3494, 3877, 3989, 4196, 4240, 4385  
DIABETES MELLITUS: 42, 344, 642, 711, 941, 975, 985, 1216, 1268, 1509, 2139, 2165, 2182, 2228, 2288, 2353, 2529, 2553, 2781, 2903, 3175, 3245, 3414, 3548, 3936-3937, 3940, 4323, 4517  
DIABETES MELLITUS, EXPERIMENTAL: 334, 413, 482, 594, 1251, 1385, 1459, 1470, 1590, 1673, 1831, 2139, 2609, 3311, 4448  
DIABETES MELLITUS, JUVENILE: 2114, 2903, 4344  
DIABETIC COMA: 1687, 2617  
DIABETIC NEPHROPATHIES: 1242, 2139  
DIABETIC RETINOPATHY: 2182, 3796  
DIACETYLMORPHINE: 4149  
DIAGNOSIS, DIFFERENTIAL: 13, 53, 86, 257, 363, 475, 527, 567, 574, 607, 753, 884, 925, 979, 1250, 1265, 1316, 1360, 1419, 1482-1483, 1556, 1570, 1658, 1787, 1870, 2009, 2038, 2157, 2264, 2306, 2354, 2720, 2769, 2803, 2824, 2841, 2961, 2976, 3047, 3115, 3205, 3267, 3271, 3327, 3350, 3374, 3408, 3437, 3440, 3467, 3513, 3618, 3683, 3705, 3789, 3795, 3851, 3854, 3857, 3865, 3910, 4011, 4036, 4044, 4108, 4168, 4332, 4420, 4455  
DIAGNOSIS, LABORATORY: 3549  
DIAGNOSIS, SURGICAL: 3956  
DIAGNOSTIC ERRORS: 430, 574, 1211, 1929, 3662  
DIALYSIS: 196, 3468  
DIAMINES: 152, 876, 1341, 1524, 3981  
DIAMMONIUM CHLOROPLATINUM COMPOUNDS: 435, 525, 639, 1069  
DIANISIDINE: 454  
DIAPHRAGM: 942, 1328, 1634, 3112, 3499, 3694, 3714  
DIAPHRAGMATIC EVENTRATION: 942  
DIAPHRAGMATIC HERNIA: 3981  
DIARRHEA: 127, 1025, 2651, 2769, 3481, 4312  
DIATRIZOATE: 806  
DIAZEPAM: 97, 295, 1349, 1410, 1457, 1577, 1984, 3304, 3741  
DIAZONIUM COMPOUNDS: 4374  
DIAZOXIDE: 1027, 3125  
DIBENAMINE: 1438  
DIBENZAZEPINES: 2545  
DIBENZOXAZEPINES: 1490  
DIBUTYRYL CYCLIC AMP: 230, 281, 301, 401, 415, 702, 749, 915, 1081, 1453, 1760, 1852, 2129, 2789, 2859, 2881, 3191, 3471, 3591, 3628, 3656, 3742, 3874, 3995, 4227, 4230, 4239  
DIBUTYRYL CYCLIC GMP: 730, 1852  
DICHLOROISOPROTERENOL: 2459  
2,4-DICHLOROPHENOXACETIC ACID: 3812  
DICHLORVOS: 1147  
DICTYOSTELIUM: 1494, 3281, 4412  
DICYCLOHEXYLCARBODIIMIDE: 2052, 3279, 3593  
DICYCLOMINE: 1195  
DIENCEPHALON: 3516  
DIESTRUS: 157, 1603, 2200, 3066  
DIET: 119, 206, 228, 254, 482, 521, 647, 938, 1057, 1131, 1149, 1236, 1534, 1585, 1587, 1609, 1696, 1725, 1763, 2008, 2040, 2199, 2323, 2604, 2730, 2740, 2864, 3148, 3312, 3382, 3468, 3641, 3800, 3949, 4034, 4107, 4244, 4384, 4430  
DIET, SALT-FREE: 32, 1016, 1337, 1366, 1427, 2159, 2848, 3633, 4134  
DIET THERAPY: 1585, 4083  
DIETARY CARBOHYDRATES: 239, 439, 521, 1398, 1587, 3666  
DIETARY FATS: 521, 828, 3269, 4216  
DIETARY FIBER: 828, 3040  
DIETARY PROTEINS: 439, 482, 560, 828, 1180, 1585, 2132, 3040, 3260, 3868, 4217  
DIETHYLDITHIOCARBAMATE: 1953, 1955, 2582  
DIETHYLNITROSAMINE: 1457  
DIETHYLSTILBESTROL: 131, 861, 888, 936, 1179, 1308, 2546, 2833, 3030, 3106, 3151, 3186, 3228, 4032, 4222, 4282, 4486  
DIFFUSION: 1006, 3570, 4458  
DIGESTION: 3040, 3198  
DIGITALIS GLYCOSIDES: 2683, 3948, 4090  
DIGITONIN: 1075, 4432  
DIGLYCERIDES: 3807  
DIGOXIGENIN: 2431  
DIGOXIN: 630, 1610, 2081, 2431, 3305, 3662  
DIHYDRALAZINE: 1054, 4306  
DIHYDROERGOTAMINE: 657  
DIHYDROMORPHINE: 2301, 3815  
DIHYDROPROGESTERONE: 1549, 2450, 2463, 2849, 2881, 4174  
DIHYDROTACHYSTEROL: 1688  
DIHYDROXYACETONE: 1231  
DIHYDROXYCHOLECALCIFEROLS: 169, 613, 713, 928-929, 995, 1057, 1609, 1674, 1722, 2509-2510, 2842, 2978, 3162, 3186, 3301, 3315, 3613, 3752, 3831, 4267, 4340  
3,4-DIHYDROXYPHENYLACETIC ACID: 105, 4145, 4326  
5,6-DIHYDROXYTRYPTAMINE: 648, 767, 872, 2012, 2100, 2542, 2775, 2860, 2964, 3006, 3772, 4328  
5,7-DIHYDROXYTRYPTAMINE: 490, 492, 520, 733, 795, 872, 1292, 1368, 1919, 2100, 2445, 2964, 3495, 4076, 4383  
DIHYDROXYTRYPTAMINES: 262, 490, 492, 520, 795, 872, 1292, 1368, 1919, 2100, 3495, 3986, 4383  
DIIODOTHYRONINES: 2297, 4203  
DIODOTYROSINE: 55  
DILATION AND CURETTAGE: 1756  
DILATION, PATHOLOGIC: 3272, 4131, 4207, 4372  
DIMETHYL SULFOXIDE: 1341, 1524, 2259, 2919, 3566  
9,10-DIMETHYL-1,2-BENZANTHRACEN: 261, 415, 701, 950, 1319, 1673, 2087, 2776, 3791, 4184, 4375  
DINITROCHLOROBENZENE: 2871  
DINITROPHENOLS: 392, 1052, 2267, 2282, 3826, 4301  
DIOXANES: 2954, 3779  
DIOXINS: 267, 1561, 3323, 3779  
DIPHENHYDRAMINE: 871  
DIPHOSPHOGLYCERIC ACIDS: 2790  
DIPHOSPHONATES: 2883, 2886, 3038, 3051, 3216, 3635  
DIPYRIDAMOLE: 348, 1984  
2,2'-DIPYRIDYL: 3058, 3100  
DIRECT LYTIC FACTORS: 1036, 3673  
DISABILITY EVALUATION: 1777, 2317  
DISCRIMINATION LEARNING: 695, 768, 2810  
DISEASE: 3328  
DISEASE MODELS, ANIMAL: 437, 632, 760, 816, 845, 898, 1190, 1218, 1248, 1510, 1684, 1724, 1835, 1974, 2007, 2087, 2223, 2353, 2603, 2939, 3060, 3968, 3998, 4245  
DISEASE RESERVOIRS: 4052  
DISEASE VECTORS: 1351  
DISEASES IN TWINS: 903, 2294, 2772, 3506  
DISINFECTANTS: 1658, 2202, 4249  
DISINFECTION: 2202, 4249  
DISLOCATIONS: 234  
DISSEMINATED INTRAVASCULAR COAGULATION: 364  
DISULFIDES: 2787  
DITERPENES: 1181  
DITHIONITROBENZOIC ACID: 132  
DITHIOTHREITOL: 1004, 1447, 1630, 2034, 3708, 4203, 4356  
DIURESIS: 73, 89, 165, 745, 843, 1027, 1156, 1271, 1425, 1903, 2608, 2633, 2938, 3048, 4086  
DIURETICS: 134, 538, 1366, 1598, 2208, 3015, 4302, 4502  
DIURETICS, MERCURIAL: 3712  
DIURETICS, THIAZIDE: 2814, 4083  
DIURNAL RHYTHM: 266, 480, 622, 850, 933, 1140, 1268, 1607, 1867, 1997-1998, 2013, 2401, 3660, 3749, 3954, 4101, 4230, 4344, 4442  
DIVING: 4283  
DNA: 37, 44, 161, 172, 258, 559, 675, 793, 876, 1087, 1134, 1163, 1219, 1222, 1259, 1286, 1628, 1668, 1685, 1852, 1869, 1933, 2316, 2416, 2756, 2818, 2833, 2906, 3282, 3347, 3353, 3373, 3397, 3459, 3471, 3627, 3729, 3835, 3852, 3979, 4046



# SUBJECT INDEX

4186, 4212, 4227, 4248, 4388  
 NA, NEOPLASM: 873, 936, 1793, 1847, 2982, 3874, 4299-4300  
 NA POLYMERASES: 559, 2007  
 NA REPAIR: 559  
 NA REPLICATION: 1222, 2329, 2588, 2822  
 NA, VIRAL: 2007, 2501, 2982, 3362  
 OBUTAMINE: 1621  
 OG DISEASES: 440, 1073, 1351, 1615, 2540, 3360, 3425, 3484  
 OGFISH: 68, 3677  
 OGS: 73, 89, 153, 191, 237, 273, 284, 295, 405, 440, 473, 481, 495, 547, 594, 628, 653, 669, 671, 800, 887, 900, 905, 931, 933, 958, 983, 1027, 1073, 1114, 1126, 1128, 1150, 1156, 1174, 1283, 1314, 1351, 1425, 1429, 1540, 1569, 1583, 1615, 1624, 1645, 1667, 1783-1784, 1794, 1821, 1823, 1849, 1934, 1944, 1947, 1969, 1982, 2005, 2024, 2073, 2148, 2188, 2219, 2259, 2316, 2379, 2389, 2402, 2423, 2498, 2505, 2540, 2571, 2625-2626, 2636, 2695, 2719, 2783, 2821, 2829, 2929, 3025, 3048, 3055, 3083, 3089, 3192, 3238-3239, 3259, 3333, 3348, 3358, 3360, 3383, 3388, 3425, 3483-3484, 3488, 3511, 3526, 3535, 3584, 3648, 3712, 3832, 3862-3863, 3906-3907, 3929, 3935, 4049, 4119-4120, 4148, 4177, 4210, 4235, 4285, 4402, 4435, 4447, 4464, 4476, 4497  
 OM: 4087  
 OMINANCE, CEREBRAL: 85, 891, 1368, 2887, 3434, 3926  
 OMINANCE-SUBORDINATION: 1085  
 OPA: 381, 737, 1323, 1626, 1645, 1995, 2500, 2785, 4229, 4404  
 OPA DECARBOXYLASE: 1719, 3207, 4236  
 OPAMINE: 33-34, 79, 170, 179, 327, 367, 381, 407, 469, 491, 519, 600, 626-627, 705, 732, 734, 781, 794, 815, 817-818, 866, 930, 935, 1012, 1032, 1188, 1232, 1279, 1323, 1344, 1368, 1371, 1395, 1400, 1484, 1490, 1498, 1597, 1792, 1867, 2011, 2030-2031, 2036, 2270, 2280, 2381, 2396-2397, 2410, 2598, 2694, 2746, 2762, 2788, 2876, 2916, 2973, 2986, 2998, 3092, 3096, 3114, 3207, 3264, 3268, 3316, 3356, 3427, 3463, 3465, 3583, 3648, 3669, 3830, 3968, 4000, 4013, 4016, 4019, 4035, 4104, 4113, 4124, 4143-4146, 4235-4236, 4256, 4285, 4336, 4369, 4429  
 OPAMINE BETA-HYDROXYLASE: 17, 170, 403, 334, 443, 703, 850, 1810, 2201, 2848, 3511, 444, 4256  
 OSE-RESPONSE RELATIONSHIP, DRUG: 7, 34, 62, 201, 231, 293, 428, 490, 497, 500-501, 504, 506, 522-523, 558, 631, 690, 695, 700, 768, 78, 834, 895, 897, 900, 915, 961, 1014, 1056, 086, 1124, 1144, 1163, 1165-1166, 1174, 1183, 207, 1222, 1228, 1248, 1270, 1289, 1323, 1369, 382, 1395-1396, 1402, 1409-1410, 1423, 1448, 460, 1478, 1490, 1496, 1505, 1551, 1671-1672, 736, 1771, 1820, 1824, 1839, 1854, 1861, 1866, 895, 1906, 1933-1934, 2008, 2014, 2020, 2041, 089, 2092, 2130, 2186, 2206, 2210, 2232, 2303, 339, 2346-2347, 2372, 2479, 2538, 2552, 2583, 690-691, 2797, 2845, 2876, 2890, 2973, 2994, 010, 3017, 3086, 3188, 3210, 3216, 3229, 3266, 348, 3375, 3405, 3413, 3416, 3460, 3465, 3512, 538, 3543, 3604, 3637, 3692, 3701, 3723, 3725, 779, 3981, 3999, 4063, 4065-4066, 4082, 4190, 206, 4310, 4326, 4367, 4409, 4421, 4428, 4448, 456-4457  
 OSE-RESPONSE RELATIONSHIP, IMMUNOLOGIC: 84, 112, 1087, 2594, 3867, 350, 4405  
 OSE-RESPONSE RELATIONSHIP, RADIATION: 312, 3196, 4215, 4237  
 OUBLE-BLIND METHOD: 423, 615, 1140, 169, 1354, 1743, 1812, 1877, 2247, 2400, 2488, 799  
 OWN'S SYNDROME: 1718, 2813, 3519  
 XORUBICIN: 435, 525, 579, 639, 981, 1069, 108, 1249, 1773, 1994, 3230  
 XYCYCLINE: 1006, 2821  
 AIIAGE: 447, 2462  
 INKING: 1207, 1421, 1480, 2672, 2938, 3724, 315, 4365  
 INKING BEHAVIOR: 953, 1139, 1397, 1487, 939, 2338, 2860, 2998, 3554, 3723, 4369  
 OPERIDOL: 295, 1102  
 OSOPHILA: 142  
 OSOPHILA MELANOGASTER: 1548, 385, 3364, 3846, 4073, 4092, 4096  
 UG ABUSE: 3851

DRUG ADMINISTRATION SCHEDULE: 293, 558, 637, 716, 1249, 1268, 3989, 4202  
 DRUG AND NARCOTIC CONTROL: 3002  
 DRUG COMBINATIONS: 82, 128, 148, 295, 400, 524, 803, 1334, 1361, 2162, 2177, 2187, 2607, 2951, 3707, 3903, 4289, 4362, 4365  
 DRUG COMPOUNDING: 874  
 DRUG CONTAMINATION: 55, 4376  
 DRUG DEPENDENCE: 904, 1879, 2236, 4437  
 DRUG EVALUATION: 176, 276, 400, 435, 525, 637, 645, 700, 713, 731, 834, 871, 906, 1069, 1072, 1152, 1169, 1186, 1337, 1354, 1381, 1406, 1411, 1542, 1592, 1653-1654, 1773, 1777, 1805, 1812, 1976, 1994, 2045, 2049, 2159, 2165, 2187, 2207, 2251, 2355, 2360, 2391, 2443, 2576, 2607, 2652, 2721, 2815, 2953, 3050, 3090, 3229, 3277, 3454, 3504, 3508, 3601, 3629, 3685, 3786, 3816, 3902-3903, 3944, 3989, 4012, 4482, 4512  
 DRUG HYPERSENSITIVITY: 2701, 3443, 3851, 4272  
 DRUG IMPLANTS: 450, 881, 991, 1575, 2999-3000, 3601, 4105  
 DRUG INFORMATION SERVICES: 2023  
 DRUG INTERACTIONS: 101, 105, 183, 232, 355, 377, 407, 492, 626, 736, 758, 806, 823, 843, 872, 895, 915, 1079, 1084, 1114, 1179, 1217, 1219, 1281, 1338, 1477, 1551, 1561, 1637, 1899, 2251, 2256, 2301, 2338-2339, 2400, 2505, 2513, 2519, 2543, 2620, 2673, 2711, 2785, 2800, 2814, 2825, 2867, 2870, 2979, 3133, 3226, 3283, 3297, 3718, 3725, 4161, 4224, 4289, 4398, 4402, 4518  
 DRUG LABELING: 2023  
 DRUG PACKAGING: 3611  
 DRUG RESISTANCE: 377, 466, 1040, 1069, 1181, 1562, 1593, 1705, 1735, 1882, 2234, 2937, 3230, 4411, 4422  
 DRUG RESISTANCE, MICROBIAL: 676, 4033  
 DRUG SCREENING: 335, 506, 1395, 1455, 1572, 2024, 2115, 2161, 2177, 2406, 3086, 3275, 3820, 3829, 4119  
 DRUG STABILITY: 155, 874, 2301, 2319, 2448, 2547, 2703, 3749  
 DRUG SYNERGISM: 82, 356, 449, 486, 639, 667, 1089, 1225, 1257, 1289, 1361, 1409, 1420, 1502, 1552, 1671, 1676, 1760, 1771-1772, 1872, 1955, 2091, 2614, 3150, 3879, 3968, 4311, 4425  
 DRUG THERAPY: 134, 758, 942, 1509, 3382  
 DRUG THERAPY, COMBINATION: 56, 94, 159, 176, 278, 315, 435, 525, 529, 538, 542, 572-573, 599, 752, 955, 999, 1014, 1054, 1069, 1080, 1108, 1111, 1183, 1227, 1249, 1381, 1415, 1542, 1592-1593, 1638, 1731, 1797, 1882, 1912, 1994, 2007, 2021, 2057, 2090, 2115, 2207, 2234, 2247, 2249, 2251, 2355, 2360, 2386, 2414, 2459, 2473, 2497, 2538, 2564, 2647, 2653, 2721, 2839, 2979, 3050, 3149, 3230, 3384, 3410, 3445, 3456, 3486, 3581, 3720, 3816, 3931, 3969, 4053, 4069, 4335, 4346, 4422, 4433  
 DRUG TOLERANCE: 369, 538, 579, 640, 705, 1731, 1780, 1820, 2430, 3496, 4149, 4161  
 DRUG WITHDRAWAL SYMPTOMS: 513, 515, 705, 1702, 2195, 2851, 3002  
 DRUGS: 292, 423, 593, 1311, 1477, 2117, 2683, 3121, 3382, 4219  
 DUCKS: 147, 163, 436, 672, 2983, 3135, 3450, 3719, 4324  
 DUCTUS ARTERIOSUS: 741-742  
 DUODENAL ULCER: 2571, 3997  
 DUODENUM: 74, 216, 522, 587, 688, 738, 1236, 2469, 2812, 2965, 3499, 4094, 4280, 4446  
 DURA MATER: 4331, 4410  
 DWARFISM: 569, 617, 1294, 1501, 1754, 1940, 2537, 2888, 2923, 3174, 3265, 3378, 3509, 3567, 3705, 3843, 3860, 3975, 4123  
 DWARFISM, PITUITARY: 514, 977, 1587, 2213, 2722, 2760, 3026, 3690, 3895, 4153  
 DYES: 4413  
 DYSCHONDROPLASIA: 1078, 1501  
 DYSENTERY: 127  
 DYSENTERY, AMEBIC: 3912  
 DYSENTERY, BACILLARY: 3667  
 DYSGERMINOMA: 81, 86, 599, 910, 1097, 1175, 1456, 1843, 1886-1887, 2596, 2817, 3578, 3597, 3639, 3730, 3797, 3957-3958, 4132, 4233, 4426  
 DYSKINESIA, DRUG-INDUCED: 705, 1248, 1696  
 DYSMENORRHEA: 4414

## E

EAR DISEASES: 697  
 EAR, EXTERNAL: 1346, 1361, 1628  
 EAR, MIDDLE: 2441  
 EATING: 390, 1421, 2033, 2524, 2672, 3224, 3382, 3465, 4315  
 ECCENTROOSTEOCHONDRODYSPLASIA: 3946  
 ECDYSONE: 142  
 ECDYSTERONE: 4152  
 ECHINOCOCCOSIS: 1351  
 ECHINOCOCCOSIS, HEPATIC: 3818  
 ECHOCARDIOGRAPHY: 1845, 3909  
 ECHOTHIOPHATE IODIDE: 3432  
 ECLAMPSIA: 1403  
 ECTODERM: 3136  
 ECTODERMAL DYSPLASIA: 2980  
 ECTROMELIA: 1501  
 ECZEMA: 2607, 3902  
 EDEMA: 1225, 1671, 2099, 4028  
 EDENTATA: 4275  
 EDTA: 446, 633, 1378, 2262, 2388, 3388, 3829, 4001, 4203, 4461  
 EDUCATION: 2576, 4322  
 EDUCATION, MEDICAL, GRADUATE: 1631  
 EDUCATIONAL STATUS: 2296  
 EFFERENT PATHWAYS: 852, 1568, 2938  
 EGG SHELL: 2069  
 EGGS: 3812  
 EGTA: 40, 446, 1757, 1830, 2073, 3306, 4001, 4150, 4211  
 EHLERS-DANLOS SYNDROME: 1726  
 5,8,11,14-EICOSATETRAYNOIC ACID: 1551  
 8,11,14-EICOSATRIENOIC ACID: 727, 2027  
 EJACULATION: 2714, 3266  
 EJACULATORY DUCTS: 3696  
 ELAPID VENOMS: 3634  
 ELASTICITY: 1598, 2821, 4070  
 ELASTIN: 487  
 ELBOW: 546  
 ELBOW JOINT: 1817  
 ELECTRIC CONDUCTIVITY: 962, 1311, 1727, 2135, 2318, 2521, 2869  
 ELECTRIC ORGAN: 3448  
 ELECTRIC STIMULATION: 50, 97, 145, 196, 209, 231, 322, 345, 380, 512, 548, 837, 949, 954, 1046, 1124, 1135, 1143, 1182, 1189, 1193, 1213, 1349, 1397, 1818, 1823, 1980, 2082-2083, 2122, 2145, 2171, 2256, 2318, 2381, 2404-2405, 2435, 2442, 2468, 2507, 2526, 2784, 2829, 2887, 2894, 2908, 2928, 2973, 2986, 3177, 3224, 3280, 3284, 3316, 3528, 3973, 4090, 4161, 4177, 4271, 4371, 4447  
 ELECTROCARDIOGRAPHY: 232, 513, 532, 1620, 2941, 3556, 3629, 3647, 3909, 4010, 4177, 4502  
 ELECTROCHEMISTRY: 2035, 3292  
 ELECTROCOAGULATION: 2460, 3614  
 ELECTRODES: 424, 2286, 3919  
 ELECTRODES, IMPLANTED: 1185, 1397, 1744, 2318  
 ELECTROENCEPHALOGRAPHY: 193, 381, 423, 513, 947, 1065, 1744, 1874, 1882, 1951, 2160, 2258, 2460, 2507, 2578, 2785, 2840, 2855, 2959, 3045, 3123, 4066, 4171  
 ELECTROLYSIS: 2445  
 ELECTROLYTES: 53, 136, 2114, 2567, 2651, 2990, 3140, 3524, 4035, 4054  
 ELECTROMAGNETIC FIELDS: 1135, 2318  
 ELECTROMAGNETICS: 1135, 1765  
 ELECTROMYOGRAPHY: 942, 2484, 2840, 3112  
 ELECTRON PROBE MICROANALYSIS: 3813  
 ELECTRON SPIN RESONANCE: 454, 946, 1768, 2262, 3570  
 ELECTRON TRANSPORT: 2209, 2335  
 ELECTRONARCOSIS: 345, 2160, 4189  
 ELECTROPHORESIS: 3228, 3768  
 ELECTROPHORESIS, AGAR GEL: 1006  
 ELECTROPHORESIS, CELLULOSE ACETATE: 1815, 3134  
 ELECTROPHORESIS, DISC: 2514, 3503, 4392  
 ELECTROPHORESIS, POLYACRYLAMIDE GEL: 556, 1333, 1491, 1520, 2118, 2272, 2309, 2624, 2679, 2933, 2943, 3252, 3520-3521, 4281  
 ELECTROPHORESIS, STARCH GEL: 3483-3484, 3765  
 ELECTROPHORUS: 1372  
 ELECTROPHYSIOLOGY: 145, 200, 1185, 1555,



# SUBJECT INDEX

1620, 1818, 1920, 3122, 3759, 4113, 4294, 4369  
ELECTROSHOCK: 519-520, 919, 1396, 2194, 2810, 3171  
ELECTROTHERAPY: 1568, 4286  
ELEMENTARY PARTICLES: 426, 4351  
ELLIS-VAN CREVELD SYNDROME: 420  
EMBOLISM: 3898, 4119  
EMBOLISM, FAT: 3015  
EMBOLIZATION, THERAPEUTIC: 549, 835, 3614  
EMBRYO: 289, 860, 1040, 1342, 1581, 1785, 1876, 2245, 2780, 3779, 3797, 3982, 4008  
EMBRYO, NON-MAMMALIAN: 468, 4096  
EMERGENCIES: 295, 1432, 2436, 3898  
EMETICS: 968  
EMOTIONS: 1061, 1192, 2061, 2500, 3814  
EMPTY SELLA SYNDROME: 830, 3424, 4266  
EMPYEMA: 3169  
ENCEPHALITIS: 1065  
ENCEPHALITIS, EPIDEMIC: 1065  
ENCEPHALOMYELITIS: 253  
ENCOPRESIS: 1284  
ENDOCARDITIS, BACTERIAL: 3937  
ENDOCRINE DISEASES: 2, 53, 329-330, 617, 1473, 1541, 1553, 1827, 2107, 2228, 2554, 2958, 3009, 3255, 3267, 3515, 3622, 3809, 3937, 4191, 4522  
ENDOCRINE GLANDS: 2, 438, 534, 587, 767, 1071, 1715, 1876, 1912, 1979, 2148, 2342, 3136, 3242, 3741, 4152, 4437, 4446, 4495  
ENDOCRINOLOGY: 347, 1631, 1644, 2096, 2248, 2728, 3337  
ENDOCYTOSIS: 4024  
ENDOMETRIOSIS: 252, 1406, 1562, 1653-1654, 2587, 3091, 3426, 3685  
ENDOMETRIUM: 93, 650, 803, 924, 996, 2074, 2177, 2298, 2572, 2956, 3229, 4089, 4184  
ENDOPASMIC RETICULUM: 161, 314, 616, 936, 1326, 1422, 1533, 1608, 1618, 2278, 2674, 2993, 3084-3085, 3135, 3568, 3797, 4436  
ENDORPHINS: 69, 74, 193, 231, 368, 591, 695, 708, 800-801, 804, 875, 883, 934, 1157, 1203, 1233, 1267, 1338, 1395, 1446, 1505-1506, 1511-1513, 1647, 1720, 1780, 1893, 1947, 2061, 2144, 2206, 2236, 2301, 2355, 2367, 2372, 2398, 2430, 2634, 3007, 3049, 3098, 3247, 3266, 3368, 3379, 3491, 3510, 3516, 3528, 3599, 3687, 3716, 3815, 3873, 3921, 3992, 4066, 4082, 4086, 4145, 4147, 4161, 4193, 4271, 4273, 4424, 4514  
ENDOSCOPY: 835  
ENDOTHELIUM: 739, 1384, 2590, 2944, 3714, 4099, 4460  
ENDOTOXINS: 27, 340, 545, 1218, 1307, 1421, 1684, 1693, 2410, 2791, 2865, 3370  
ENERGY METABOLISM: 119, 137, 610, 765, 975, 1176, 1455, 1503, 1508, 1585, 1620-1621, 1790, 1875, 2033, 2219, 2789, 2938, 4043, 4255  
ENKEPHALINS: 74, 193, 231, 345, 368, 591, 695, 800-801, 804, 883, 904, 934, 994, 1032, 1157, 1203, 1233, 1267, 1338, 1395, 1511, 1947, 2061, 2301, 2398, 2634, 2692, 3049, 3098, 3266, 3379, 3516, 3528, 3599, 3687, 3716, 3815, 3992, 4066, 4082, 4161, 4271, 4273, 4424, 4514  
ENTERITIS, REGIONAL: 378, 1541, 2815  
ENTEROCHROMAFFIN CELLS: 74, 534, 1433, 2389, 2469, 3997  
ENTEROGLUCAGON: 4522  
ENTEROHEPATIC CIRCULATION: 2732  
ENTEROTOXINS: 1025, 1530, 1564, 3867, 4312  
ENURESIS: 2772  
ENVIRONMENT: 146, 1145, 1923, 2428, 2495, 3161, 3469, 3541, 3814, 4322  
ENVIRONMENTAL EXPOSURE: 559, 3390, 3492, 3779  
ENZYME ACTIVATION: 19, 34, 90, 155, 263, 376, 633, 692, 699, 756, 840, 946, 980, 1001, 1020, 1401, 1422, 1447, 1508, 1623, 1656, 2005, 2164, 2352, 2387, 2461, 2547, 2816, 2867, 3052, 3076, 3096, 3102, 3197, 3279, 3361, 3375, 3477, 3563, 3577, 3615, 3947, 4072, 4080-4081, 4084, 4096, 4250, 4252, 4436, 4448, 4511  
ENZYME INDUCTION: 82, 554, 976, 1059, 1104, 1387, 1420-1421, 1524, 1561, 1604, 1668, 1736, 2020, 2117, 2174, 2184, 2447, 2464, 2509, 2568, 2756, 2791, 3178, 3592, 3836, 4206, 4349, 4379  
ENZYME INHIBITORS: 155, 284  
ENZYME PRECURSORS: 3615, 3771  
ENZYME REPRESSION: 1508, 2541  
ENZYME TESTS: 1022

ENZYMES: 728, 1388, 3372, 4043, 4189  
EOSINOPHILIA: 3115, 3440  
EOSINOPHILS: 112, 1246, 1802, 3573  
EPENDYMA: 46, 1445, 2874  
EPENDYMOMA: 786, 1570  
EPHEDRINE: 2693, 4362  
EPIDEMIOLOGIC METHODS: 1756, 1789, 2077, 2730  
EPIDERMAL CYST: 1570  
EPIDERMIS: 1264, 1579, 1628, 1730, 1794, 3341-3342, 3458, 3607  
EPIDIDYMIS: 160, 396, 694, 856, 869, 1075, 1554, 1656, 1758, 1908, 2075, 2323, 2547, 2863, 2949, 3285, 3758, 3938, 4042, 4350  
EPIDURAL SPACE: 1663  
EPILEPSY: 1183, 2460, 3256, 3931, 3937, 4330  
EPILEPSY, FOCAL: 1882  
EPILEPSY, GRAND MAL: 1882, 4382  
EPILEPSY, MYOCLONUS: 2258  
EPILEPSY, TEMPORAL LOBE: 85, 1744, 2190, 3706  
EPINEPHRINE: 179, 232, 319, 381, 439, 481, 565, 642, 732, 864, 1053, 1122, 1132, 1188, 1231, 1264, 1314, 1317, 1361, 1394, 1396, 1404, 1407, 1433, 1563, 1578, 1596, 1613, 1820, 2201, 2243, 2338, 2410, 2451, 2459, 2476, 2490, 2551, 2571, 2661, 2825, 2862, 2877, 2930, 2987, 2993-2994, 3061, 3083, 3092, 3140, 3147, 3208, 3277, 3313, 3436, 3593, 3671, 3676, 3832, 4016, 4055-4056, 4079, 4099, 4143, 4146, 4229, 4327, 4342, 4366, 4402, 4428, 4448  
EPIPHYSES: 2913, 3024  
EPITESTOSTERONE: 2900  
EPITHELIUM: 223, 294, 366, 384, 410, 831, 848, 962, 1009, 1040, 1089, 1144, 1179, 1518, 1628, 1908, 1971, 2199, 2232, 2392, 2469, 2837, 2869, 3075, 3080, 3107, 3162, 3342, 3347, 3455, 3596, 3956, 3969, 4165, 4212, 4224  
EPOXIDE HYDRATASES: 2830  
EPOXY COMPOUNDS: 2830, 4270  
EPOXY RESINS: 3870  
EQUILIBRIUM: 2265  
ERGOCALCIFEROL: 388, 884, 1419, 1612, 3613, 3839, 4012  
ERGOLINES: 746, 1170, 1953, 2036, 3111, 3914  
ERGONOVINE: 781, 4369  
ERGOSTEROL: 3181, 4033  
ERGOT ALKALOIDS: 422, 2031, 3830  
ERGOTAMINE: 1195  
ERYTHEMA: 607, 1940, 3461  
ERYTHEMA MULTIFORME: 607  
ERYTHEMA NODOSUM: 4381  
ERYTHROCYTE AGING: 2347  
ERYTHROCYTE MEMBRANE: 155, 375-376, 633, 1075, 1202, 1503, 2286, 3561, 3668, 4055-4056, 4195, 4211, 4413  
ERYTHROCYTES: 155, 249, 283, 303, 373-374, 413, 530, 761, 1075, 1202, 1372, 1389, 1428, 1800, 1872, 2286, 2340, 2347, 2399, 2790, 2816, 2871, 3300, 3561, 3566, 3668, 3755, 3870, 3944, 4055-4056, 4195, 4211, 4413  
ERYTHROLEUKEMIA: 896, 1181, 1341, 1524, 3366, 3566  
ERYTHROMYCIN: 697, 2815  
ERYTHROPOIESIS: 168, 373, 1181, 1341, 1728, 2180, 2744, 2790, 2942  
ERYTHROPOIETIN: 1389, 2744, 3159  
ESCAPE REACTION: 1834, 1993, 1995, 2082, 2194, 2404-2405  
ESCHERICHIA COLI: 12, 516, 785, 1025, 1218, 1412, 1530, 1564, 1684, 2593, 2603, 2865, 2870, 3178, 3563, 3867, 3897, 3953  
ESCHERICHIA COLI INFECTIONS: 127, 1025, 1530, 2603, 3601  
ESOPHAGEAL VARICES: 321  
ESOPHAGITIS: 416  
ESTERASES: 2075, 2992  
ESTERS: 1791, 2052  
ESTRADIOL: 15-16, 23, 38, 62, 80, 93, 100, 117, 131, 156, 161, 166, 171, 182, 184, 201, 258, 260, 266, 330, 384, 400, 410, 483, 509, 535, 586, 592, 612, 619, 670, 678, 685, 701-702, 725, 769, 803, 817, 821, 861, 873, 890, 897, 908-909, 991, 993, 1049-1050, 1083, 1118, 1129, 1159, 1179, 1197, 1205, 1220, 1224, 1319, 1325, 1356, 1417, 1488, 1520, 1567, 1601-1602, 1628, 1650, 1673, 1706, 1717, 1771, 1790, 1847, 1861, 1866, 1943, 1953-1954, 1998, 2014-2016, 2019, 2044, 2059, 2074, 2079, 2151, 2154, 2175, 2232, 2246, 2253, 2260-2261, 2271-2272, 2276, 2304, 2309, 2316,

2326, 2344, 2377, 2438, 2453-2454, 2463, 2492, 2497, 2530, 2534, 2558, 2581, 2593, 2603, 2672, 2695, 2698, 2700, 2709, 2714, 2734, 2759, 2787, 2788, 2790, 2796, 2818, 2833, 2836, 2873, 3030-3031, 3116, 3158, 3186, 3220, 3229, 3313, 3326, 3346-3347, 3373-3374, 3397, 3413, 3471-3472, 3475, 3536, 3568, 3623, 3642, 3666, 3701, 3717, 3737, 3770, 3777-3778, 3784, 3813, 3831, 3876, 3883, 3887, 3985, 3994, 4022, 4024, 4029, 4089, 4099, 4110, 4121, 4184, 4190, 4302, 4310, 4319, 4324, 4374-4375, 4379-4380, 4404, 4431  
ESTRADIOL ANTAGONISTS: 3876, 4375  
ESTRADIOL DEHYDROGENASES: 2316, 3536  
ESTRAMUSTINPHOSPHATE: 638, 1717, 2444  
ESTRENES: 4176  
ESTRIOL: 131, 171, 326, 447, 605, 1011, 1205, 1358, 1403, 1435, 1566, 1586, 1782, 2001, 2027, 2438, 2534, 2593, 2759, 3395, 3466, 3861, 4027, 4374-4375, 4449  
ESTROGEN ANTAGONISTS: 258, 861, 2039, 2046, 2369, 3137, 4379, 4387  
ESTROGENIC SUBSTANCES, CONJUGATED: 619, 1911, 2014, 2110, 4122  
ESTROGENS: 23, 59, 71, 117, 166, 171, 250, 272, 299, 332, 417, 422, 427, 465, 619, 623, 643, 667, 735, 754, 891, 908, 957, 1005, 1151, 1164-1165, 1193, 1205, 1217, 1308, 1382, 1443, 1473, 1510, 1650, 1685, 1748, 1756, 1776, 1789, 1867, 1883, 1925, 2023, 2039, 2064, 2078, 2234, 2270, 2282, 2298, 2326, 2342, 2344, 2438-2439, 2454, 2477, 2544, 2621, 2643, 2703, 2713, 2759, 2798, 2888, 2936, 2947, 2971, 2974, 2981, 2984, 3078, 3104, 3139, 3186, 3206, 3214, 3308, 3344, 3359, 3407, 3455, 3472, 3501, 3506, 3586-3587, 3616, 3704, 3736, 3747, 3778, 3861, 3871, 3983, 4068, 4183, 4207, 4222, 4241, 4302, 4345, 4353, 4374, 4384, 4387, 4486, 4508, 4520  
ESTROGENS, SYNTHETIC: 328, 400, 861, 1519, 2006, 2046, 2276, 2319, 2999, 3031, 3078, 3423, 3703, 4032, 4310, 4352-4353, 4374-4375, 4507  
ESTRONE: 18, 22, 38, 131, 156, 166, 171, 197, 354, 509, 619, 861, 1063, 1159, 1205, 1717, 1753, 1869, 1996, 2079, 2438, 2796, 2913, 3116, 3410, 3472, 3644, 3703, 3760, 4374  
ESTRUS: 80, 129, 157, 178, 238, 240, 246, 260, 281, 592, 612, 670, 685, 991, 1197, 1217, 1224, 1278, 1288, 1417, 1601-1602, 1649, 1904, 1957, 2016, 2044, 2127, 2177, 2194, 2200, 2210, 2958, 2680, 2849, 3066, 3365, 3619, 3661, 3665, 3779, 3884, 3887, 3945, 4148, 4297, 4303, 4311, 4315, 4383, 4430  
ESTRUS SYNCHRONIZATION: 1278, 3665, 3788  
ETHACRIDINE: 3050  
ETHACRYNIC ACID: 874, 3712, 4447  
ETHAMBUTOL: 442  
ETHANOLAMINES: 375, 1096, 1354, 2986, 3500  
ETHER, ETHYL: 2536, 3436  
ETHERS, CYCLIC: 2830  
ETHICS, NURSING: 4038  
ETHIDIUM: 2836  
ETHINYL ESTRADIOL: 488, 645, 1862, 1869, 2014, 2037, 2110, 2210, 2260, 2454, 2458, 2951, 3031, 3446, 4207, 4289  
ETHIONAMIDE: 124  
ETHIONINE: 3658  
ETHNIC GROUPS: 3506  
ETHYL ETHERS: 2536, 3436  
ETHYLENE GLYCOLS: 4001  
ETHYLENE OXIDE: 4376  
ETHYLENEDIAMINES: 4194  
ETHYLENES: 3606  
ETHYLMALIMIDE: 131, 3292, 4259  
ETHYLMORPHINE: 2089, 2972  
ETHYLMORPHINE-N-DEMETHYLASE: 2622  
ETIMIZOL: 1111  
ETIOCHOLANOLONE: 588, 3102, 3172, 3232  
EUSTACHIAN TUBE: 697  
EVALUATION STUDIES: 190, 630, 798, 1351, 1386, 1610, 1740, 1838, 1964, 2106, 2597, 2821, 3288, 3392, 3402, 3486, 3606, 3795, 3913, 4030, 4189, 4249, 4290, 4450, 4510  
EVOKED POTENTIALS: 97, 200, 231, 411, 804, 954, 1135, 1143, 1920, 2026, 2088, 2145, 2887, 2894, 2986, 3098, 3122, 3280, 3512, 3759, 4371  
EVOLUTION: 146, 891, 1191, 1547, 2221, 3541,



# SUBJECT INDEX

XCIPIENTS: 4029  
 XERCISE TEST: 2057  
 XERCISE THERAPY: 3698  
 XERTION: 30, 119, 144, 242, 441, 537, 569, 992, 1132, 1237, 1625, 1660, 1765, 1834, 1845, 2056-2057, 2495, 3763, 3892, 3899, 4001-4002, 4342  
 XOCRINE GLANDS: 3262  
 XOCYTOSIS: 1608, 2130, 2644, 3208, 3559, 4023-4024, 4040, 4261  
 XOPHTHALMOS: 566-567, 1209, 1211, 1787, 2255, 2668, 3072, 3289, 3415, 3649, 3860  
 XPECTORANTS: 1900  
 XPLOATORY BEHAVIOR: 2133, 4304  
 XPLOSIONS: 3323  
 XTINCTION (PSYCHOLOGY): 651, 4304  
 XTRACELLULAR SPACE: 445, 2022, 2193, 2312, 2320, 2379, 2390, 2402, 2420, 3193, 3388, 4288  
 XTRACORPOREAL CIRCULATION: 3696  
 XTRAPYRIMIDAL TRACTS: 2061  
 XTRASYSTOLE: 2402, 3556  
 XTRAVERSION (PSYCHOLOGY): 185, 3237  
 XTREMITIES: 3058  
 XUDATES AND TRANSUDATES: 1222  
 YE: 148, 208, 1159, 3019, 3259  
 YE DISEASES: 566, 1211, 1239, 1787, 1799, 2427, 2496, 2668, 3072, 3394  
 YE FOREIGN BODIES: 566  
 YE MANIFESTATIONS: 318, 1302, 1345, 2718  
 YE NEOPLASMS: 566  
 YELID DISEASES: 2824

## F

FACTOR: 1630  
 ACE: 1492  
 ACIAL DERMATOSES: 35, 128, 3378  
 ACIAL MUSCLES: 954  
 ACIAL NERVE: 954, 1213, 1918  
 ACIAL PARALYSIS: 94, 954, 1213, 1918  
 ACTOR V: 1291, 2727, 2917  
 ACTOR V DEFICIENCY: 2727  
 ACTOR VIII: 4460  
 ACTOR X: 1382, 2156, 2727, 2917  
 ACTOR X DEFICIENCY: 2156  
 ACTOR XII: 4469  
 ACTOR ANALYSIS, STATISTICAL: 2077  
 AD: 2352  
 ALLOPIAN TUBE NEOPLASMS: 177, 252, 3426, 4042  
 ALLOPIAN TUBES: 707, 750, 1227, 1359, 1209, 2678, 3000, 3053, 3081, 3455, 3596, 4121  
 ALSE NEGATIVE REACTIONS: 1454, 1519, 3841, 4004  
 ALSE POSITIVE REACTIONS: 1286, 2407, 3985, 4004  
 AMILY: 470  
 AMILY CHARACTERISTICS: 1205  
 AMILY PLANNING: 1223, 1774, 4038, 4181  
 AMILY PRACTICE: 590, 1305, 4246  
 ANCONI SYNDROME: 20, 894, 1686, 1849, 3453  
 ANCONI'S ANEMIA: 3567  
 ANTASY: 21  
 ARMER'S LUNG: 4097  
 ASCIOLA HEPATICA: 3131  
 ASTING: 687, 1172, 1405, 1559, 2422, 2744, 2838, 3269  
 ATHERS: 2935  
 ATIGUE: 942, 4001-4002  
 ATS: 1875  
 ATTY ACID SYNTHETASE COMPLEX: 1201, 1387, 1491, 3269  
 ATTY ACIDS: 19, 291, 963, 1096, 1387, 1401, 1447, 1477, 1914, 2664, 3361, 3594, 3784, 3908, 4155, 4470  
 ATTY ACIDS, ESSENTIAL: 4430  
 ATTY ACIDS, NONESTERIFIED: 383, 441, 542, 711, 859, 975, 1019, 1216, 1398, 2080, 2257, 2838, 2927, 3141, 3333, 3548, 3892, 4467  
 ATTY ACIDS, UNSATURATED: 2027  
 ATTY ACIDS, VOLATILE: 1875  
 ATTY LIVER: 3385  
 EAR: 2050, 2082, 2810, 3049  
 ECAL INCONTINENCE: 470  
 ECES: 304, 425, 828, 1429  
 EEDBACK: 114, 133, 958, 1262, 1436, 1722, 2246, 2425, 2494, 2732, 2902, 3106, 3319, 3321,

3377, 3405, 3775, 3896, 3983, 4244  
 FEEDING BEHAVIOR: 96, 300, 795, 810, 1487, 1831, 2338-2339, 2344, 2860, 2998, 3079, 3371, 3554, 3738, 4034  
 FEES, PHARMACEUTICAL: 3121  
 FELYPRESSIN: 1361  
 FEMORAL FRACTURES: 2318, 3322, 3560, 3621  
 FEMORAL NECK FRACTURES: 1763, 1929  
 FEMORAL NEOPLASMS: 2295, 4128  
 FEMUR: 51, 389-390, 747, 1574, 2821, 2929, 3074, 3782, 3907, 4128  
 FEMUR HEAD NECROSIS: 961, 1489, 2140, 2846  
 FEMUR NECK: 2846  
 FENFLURAMINE: 228, 243, 624, 736-737, 1595, 1661  
 FENITROTHION: 3542  
 FENTANYL: 136, 295, 768  
 FERREDOXINS: 3978  
 FERRETS: 260, 1649  
 FERRIC COMPOUNDS: 2389, 3879  
 FERRICYANIDES: 847, 1678, 2075, 2389, 3600, 3908  
 FERRITIN: 1031, 3290, 3714  
 FERROCYANIDES: 2075  
 FERROUS COMPOUNDS: 2389  
 FERTILITY: 543, 780, 1007, 1095, 2323, 2368, 2658, 3288, 3654, 4319  
 FERTILIZATION: 1278, 2918, 3377, 4225  
 FETAL ANOXIA: 110, 168  
 FETAL BLOOD: 236, 280, 422, 575, 619, 678, 1403, 1435, 2759, 3386, 3889, 3930, 4356  
 FETAL DEATH: 205, 236, 306, 1566, 2294, 3144  
 FETAL DISEASES: 1473, 1566, 2078, 2294, 2478, 2688, 3144, 3307, 3323, 3645-3646, 3894, 4437  
 FETAL DISTRESS: 998, 1586, 2433  
 FETAL GROWTH RETARDATION: 171, 3399  
 FETAL HEART: 335, 998, 1566, 1586, 2051, 3307  
 FETAL MEMBRANES: 619, 2294  
 FETAL MEMBRANES, PREMATURE RUPTURE: 2706  
 FETAL MONITORING: 1566, 2051, 3226, 3307, 3545, 3702, 4302  
 FETAL RESORPTION: 1785  
 FETAL VIABILITY: 184, 1507  
 FETOSCOPY: 2726  
 FETUS: 10, 71, 115, 289, 326, 386, 432, 467, 530, 559, 693, 717, 723, 787, 1076, 1191, 1473, 1558, 1614, 1629, 1945, 2040, 2269, 2348, 2502, 2517-2518, 3116, 3188-3189, 3323, 3329, 3545, 3702, 3781, 3797-3798, 3894, 3981, 4008, 4057, 4250, 4262, 4302, 4437, 4467, 4470  
 FEVER: 589, 730, 1882, 2410, 3912, 4156  
 FEVER OF UNKNOWN ORIGIN: 1162  
 FIBER OPTICS: 1515  
 FIBRIN: 972, 1588, 2041, 2156, 3878, 4469  
 FIBRIN FIBRINOGEN DEGRADATION PRODUCTS: 4150  
 FIBRINOGEN: 1249, 1291, 2156, 3173, 3878, 4150  
 FIBRINOLYSIS: 282, 358, 3311, 4469  
 FIBRINOLYSIS: 972, 1625, 3070, 4068, 4469  
 FIBROBLASTS: 339, 384, 437, 499, 689, 1071, 1342, 1384, 1412, 2350, 2789, 2856, 3459  
 FIBROMA: 632, 1033, 2255  
 FIBROSARCOMA: 632, 3774, 3998  
 FIBROUS DYSPLASIA OF BONE: 1804, 3789  
 FIBULA: 51  
 FICUSIN: 1579  
 FILM DOSIMETRY: 518  
 FINGER INJURIES: 2411  
 FINGER JOINT: 4523  
 FINGERS: 1074, 1250, 1817, 2411, 3225, 3392, 3825, 4095, 4100, 4180  
 FISH DISEASES: 1843, 2314, 2668, 3820  
 FISHES: 1118, 1122, 1146, 1424, 1543, 1895, 1975, 2066, 2531, 2668, 3161, 3270, 3448, 3541-3542, 3607, 3733, 3813, 3820, 3933  
 FISTULA: 4058  
 FLAVONES: 553, 2020  
 FLAVOXATE: 1195  
 FLICKER FUSION: 2840  
 FLIGHT, ANIMAL: 139  
 FLOWMETERS: 1765  
 FLOXACILLIN: 4114  
 FLUDROCORTISONE: 6, 28, 1683  
 FLUFENAMIC ACID: 3275  
 FLUID THERAPY: 1265, 2277, 3015

FLUOCINOLONE ACETONIDE: 1743, 1936, 3461  
 FLUOCORTOLONE: 3902  
 FLUORESCIN ANGIOGRAPHY: 1190, 1901, 2264, 4332  
 FLUORESCINS: 2326, 3722  
 FLUORESCENCE: 861, 3114, 3254, 3608, 3644, 3935, 4102  
 FLUORESCENCE POLARIZATION: 4118  
 FLUORESCENT ANTIBODY TECHNIC: 70, 215, 218, 245-246, 327, 436, 457, 666, 902, 907, 921, 1009, 1243, 1347, 1554, 1719, 1748, 1898, 2775, 2897, 3105, 3146, 3599, 3670, 3709, 3915, 4118, 4328  
 FLUORESCENT DYES: 715  
 FLUORIDES: 1422, 1623, 2541, 2616, 2933, 3063, 3577, 4063, 4065, 4432  
 FLUORIDES, TOPICAL: 128  
 FLUORINE: 2395  
 FLUOROBENZENES: 557  
 FLUORODEOXYURIDINE: 4073  
 FLUOROMETRY: 2377, 3941  
 FLUOROSCOPY: 942  
 FLUOROURACIL: 2234, 3486  
 FLUOXETIN: 733, 736-737, 1281, 3620, 4085  
 FLUOXYMESTERONE: 541, 752, 1695  
 FLUPENTHIXOL: 1792  
 FLUPHENAZINE: 627, 649  
 FLUTAMIDE: 3340  
 FOCAL INFECTION: 2441  
 FOLIC ACID: 531, 843, 1610, 2532, 3662  
 FOLIC ACID ANTAGONISTS: 2161  
 FOLIC ACID DEFICIENCY: 4521  
 FOLLOW-UP STUDIES: 315, 318, 328, 528, 713, 752, 999, 1060, 1097-1098, 1180, 1246, 1306, 1352, 1425, 1439, 1539, 1731, 1777, 1857, 1889, 2076, 2281, 2332, 2653, 2778, 2815, 2926, 3012, 3035, 3139, 3149, 3272, 3299, 3597, 4137, 4181, 4189, 4307, 4335, 4482  
 FOOD: 594, 1782, 2683, 3371, 3382, 3892  
 FOOD ADDITIVES: 4384  
 FOOD CONTAMINATION: 496, 3695  
 FOOD DEPRIVATION: 2033, 4244  
 FOOD, FORTIFIED: 4521  
 FOOD HABITS: 4384  
 FOOD PREFERENCES: 439  
 FOOT: 546, 729, 2345  
 FOOT DISEASES: 729  
 FORCED EXPIRATORY VOLUME: 2386  
 FOREARM: 150, 494, 2820  
 FOREIGN BODIES: 580  
 FORENSIC DENTISTRY: 863  
 FORENSIC MEDICINE: 150, 4050  
 FORMATES: 620  
 FORSSMAN ANTIGEN: 3885  
 FRACTURE FIXATION: 1817  
 FRACTURE FIXATION, INTERNAL: 2318, 2411, 2707, 3560, 3907  
 FRACTURES: 1469, 2411, 2667, 2974, 3182, 4178  
 FRACTURES, CLOSED: 729  
 FRACTURES, SPONTANEOUS: 2427, 3322, 3350  
 FREE RADICALS: 1472, 2262  
 FREEZE ETCHING: 4211  
 FREEZE FRACTURING: 1075, 2070, 3387, 3938, 4023-4024  
 FREEZING: 451, 2034, 2387, 2709, 4209  
 FRESH WATER: 314, 1729, 3820  
 FREUND'S ADJUVANT: 478  
 FRIEND VIRUS: 1341, 1524, 3366, 3566  
 FROGS: 186, 201, 323, 362, 442, 833, 962, 1055, 1128, 1438, 1475, 1693, 1727, 1947, 2067, 2403, 2471, 2476, 2612, 2739, 2869, 2928, 3136, 3140, 3280, 3631, 3813, 3941, 4440  
 FRONTAL LOBE: 34, 939, 2026, 2088, 2461, 2686, 2731, 4019, 4125  
 FROZEN SECTIONS: 2326  
 FRUCTOSE: 3965  
 FRUCTOSEPHOSPHATES: 687  
 FRUIT: 735  
 FSH: 15, 38, 117, 122, 129, 246, 256, 293, 395, 450, 479, 526, 621, 670, 731, 799, 817, 854, 857-858, 882, 915-916, 918, 923, 1056, 1159, 1164-1165, 1168, 1197, 1205, 1221, 1348, 1390, 1488, 1603, 1861-1862, 1864, 1866, 1895, 1943, 1953, 1975, 1978, 2019, 2126, 2153-2154, 2160, 2175, 2260-2261, 2271, 2275, 2303, 2323, 2371, 2380, 2425, 2479, 2497, 2530, 2533, 2552, 2680, 2805, 2885, 2922, 2947, 3032-3034, 3070, 3106, 3140, 3265, 3328, 3369, 3374, 3384, 3471, 3475,



# SUBJECT INDEX

3515, 3604, 3760, 3790, 3803, 3847, 3887, 3899, 3925, 3965, 3976, 3983, 4110, 4121, 4130, 4164, 4190-4191, 4282, 4287, 4291, 4296, 4323, 4430, 4462, 4520  
 FUCHSIN: 3383, 3627  
 FUCOSE: 1101, 1152, 2343  
 FUNDUS OCULI: 313, 1611  
 FURANS: 1188  
 FUROSEMIDE: 212, 280, 529, 703, 900, 1041, 1534, 1560, 1732, 1874, 1906, 2825, 3647, 3712, 4278, 4306, 4447  
 FUTUROLOGY: 3982

## G

GABA: 231, 370, 380, 469, 1032, 1049, 1254, 1338, 1349, 1484, 1700, 1761, 1898, 1916, 2047, 2270, 2311, 2500, 2543, 2690, 2692, 2731, 2986, 3264, 3314, 3900, 4081, 4190, 4193  
 GADOLINIUM: 1018  
 GAIT: 3843  
 GALACTORRHEA: 241, 422, 629, 814, 923, 1000  
 GALACTOSAMINE: 3904  
 GALACTOSE: 3715  
 GALACTOSYLTRANSFERASES: 622  
 GALLBLADDER: 831, 3862  
 GALLBLADDER DISEASES: 2732, 3417  
 GALLIUM RADIOISOTOPES: 596, 1469, 3120, 4004  
 GAMMA GLOBULINS: 1941, 2162, 2802  
 GAMMA RAYS: 1794, 2131, 3196, 3625, 4008, 4215  
 GANGLIA: 1839, 2357, 2773, 3152, 3590, 4371  
 GANGLIA, AUTONOMIC: 797, 1400, 1607, 1839, 2031, 2266-2267, 3259, 3511-3512, 3759, 4248  
 GANGLIA, SPINAL: 804, 1839, 2268, 3620, 3920, 4421  
 GANGLIONEUROMA: 1724, 2769  
 GANGLIONIC STIMULANTS: 3177  
 GANGLIOSIDES: 90, 175, 1257, 1479  
 GANGLIOSIDOSIS: 2258  
 GASTRECTOMY: 1425  
 GASTRIC FISTULA: 1438  
 GASTRIC INHIBITORY POLYPEPTIDE: 4522  
 GASTRIC JUICE: 269, 800, 851, 1438, 1762, 1991, 2732, 3263, 4317-4318, 4522  
 GASTRIC MUCOSA: 444, 800, 1438, 1665, 1727, 2086, 2292, 2636, 2958, 3146, 3263, 3507, 3997, 4318, 4446  
 GASTRINS: 216, 269, 344, 1019, 1275, 1665, 2086, 2292, 3507, 4446, 4522  
 GASTRITIS: 1950  
 GASTROENTERITIS: 3563  
 GASTROENTERITIS, TRANSMISSIBLE, OF SWINE: 127, 4316  
 GASTROINTESTINAL DISEASES: 108, 1541, 1553, 2486, 2732, 3025, 3050, 3244, 3834, 3997  
 GASTROINTESTINAL HORMONES: 216, 800, 1844, 2769, 3481, 3500, 3599, 4446, 4522  
 GASTROINTESTINAL MOTILITY: 127, 523, 688, 2732, 2910, 3495, 3588, 4446, 4522  
 GASTROINTESTINAL NEOPLASMS: 1930, 3486, 3997  
 GASTROINTESTINAL SYSTEM: 795, 1913, 1991, 2113, 2732, 2910, 3136, 3667, 4156, 4260, 4317  
 GEESE: 2983  
 GEL DIFFUSION TESTS: 218, 265, 902, 1440, 2240, 2624, 3521, 3652, 3928  
 GELATIN SPONGE, ABSORBABLE: 549  
 GELS: 549  
 GENDER IDENTITY: 309, 2779, 2798, 3237, 4222, 4322  
 GENE FREQUENCY: 658, 1541, 3364, 3478, 3625  
 GENERALIZATION, STIMULUS: 695  
 GENES: 1259, 2447, 2588, 3806, 4107  
 GENES, DOMINANT: 1726, 2932, 3613, 3625, 3946  
 GENES, IMMUNE RESPONSE: 3406, 3979  
 GENES, RECESSIVE: 1299, 1726, 2918, 3613, 4223  
 GENES, REGULATOR: 559, 3319  
 GENES, STRUCTURAL: 142, 559, 2942, 4223  
 GENETIC CODE: 1541, 2646  
 GENETIC COMPLEMENTATION TEST: 3364

GENETIC COUNSELING: 842, 1541, 1646, 2345, 2726, 2932  
 GENETICS: 323  
 GENETICS, HUMAN: 2646  
 GENETICS, POPULATION: 1007, 1541, 2214  
 GENICULATE BODIES: 2145, 4166  
 GENITAL DISEASES, FEMALE: 60, 1005, 1556, 1805, 4181  
 GENITAL DISEASES, MALE: 3595  
 GENITAL NEOPLASMS, FEMALE: 60, 177, 579, 2203, 3462, 3891, 4042  
 GENITAL NEOPLASMS, MALE: 1245, 4042  
 GENITALIA: 86, 4260  
 GENITALIA, FEMALE: 277, 2966, 3081, 4307  
 GENITALIA, MALE: 319, 767, 1712, 2700, 2966, 3308, 3982  
 GENOTYPE: 1040, 2368, 2437, 2767, 3665, 3806  
 GENTAMICINS: 3601  
 GEOLOGY: 1301  
 GERBILS: 193, 249, 724, 1457, 4105, 4365  
 GERIATRIC NURSING: 1763  
 GERIATRICS: 791, 4200  
 GERM CELLS: 2385  
 GERM-FREE LIFE: 3438, 4111  
 GERM LAYERS: 2612, 3058  
 GESTATIONAL AGE: 10, 205, 207, 236, 432, 539, 691, 741, 820, 1040, 1063, 1331, 1334, 1445, 1473, 1566, 1708, 1788, 1945, 2040, 2269, 2432, 2464, 2502, 2563, 2706, 2773, 2834, 3058, 3116, 3399, 3715, 3797, 3889, 3967, 3981, 3985, 4172, 4338, 4347, 4470  
 GESTONORONE CAPROATE: 873, 3508  
 GIANT CELL TUMORS: 1107  
 GIGANTISM: 211, 1710, 2110, 2741, 3126  
 GILLES DE LA TOURETTE'S DISEASE: 3732  
 GILLS: 1122  
 GINGIVA: 294, 1266, 2540  
 GINGIVAL NEOPLASMS: 3532  
 GINGIVITIS: 1981  
 GLAUCOMA: 3011  
 GLIOMA: 458, 1636, 2055  
 GLOBIN: 3566  
 GLOBUS PALLIDUS: 774, 1189, 1368, 1898  
 GLOMERULAR FILTRATION RATE: 473, 495, 868, 958, 1114, 1373, 1707, 2008, 2467, 2990, 3202  
 GLOMERULONEPHRITIS: 999, 1922, 4028  
 GLOTTIS: 2570  
 GLUCAGON: 12, 344, 383, 405, 534, 594, 605, 654, 657, 687, 711, 980, 1019, 1114, 1154, 1167, 1201, 1231, 1242, 1300, 1353, 1402, 1405, 1760, 2121, 2267, 2429, 2673, 2933, 2938, 3020, 3400, 3517-3518, 3548, 3715, 3950, 4007, 4062, 4064, 4436, 4517  
 GLUCOCORTICOIDS: 27, 57, 170, 181, 289, 340, 378, 431, 434, 473, 485, 704, 1527, 1558, 1565, 1668, 1803, 1819, 1825, 1840, 1899, 1936, 1941, 2328, 2364, 2494, 2553, 2791, 2901, 3077, 3128, 3293, 3301, 3394, 3423, 3458, 3501, 3612, 3776, 4069, 4093, 4206, 4222, 4264  
 GLUCOCORTICOIDS, SYNTHETIC: 1152, 1219, 1793, 2364, 2937, 3301, 3611, 4361  
 GLUCOCORTICOIDS, TOPICAL: 967, 1169, 3128  
 GLUCONATES: 429  
 GLUCONEOGENESIS: 687, 1172, 1840, 2230, 2490, 3479, 3502, 3676  
 GLUCOSAMINE: 90, 365, 1834, 2811, 3058, 3368  
 GLUCOSAMINIDASE: 487, 3503  
 GLUCOSE: 300, 585, 594, 657, 687, 971, 985, 997, 1172, 1231, 1244, 1370, 1386, 1405, 1485, 1531, 1569, 1621, 1782, 1853, 1989, 2022, 2024, 2056, 2097, 2422, 2557, 2608, 2651, 2781, 2820, 2853, 3069, 3254, 3276, 3637, 3676, 3715, 3950, 4154  
 GLUCOSE SOLUTION, HYPERTONIC: 1621  
 GLUCOSE TOLERANCE TEST: 228, 383, 645, 731, 1840, 2422, 2615, 3311, 3333, 3676, 3693, 4344  
 GLUCOSEPHOSPHATASE: 487, 3502, 3684, 4483  
 GLUCOSEPHOSPHATE  
 DEHYDROGENASE: 2698, 3403  
 GLUCOSEPHOSPHATE  
 URIDYLTRANSFERASE: 1863  
 GLUCOSEPHOSPHATES: 288, 1863  
 GLUCOSIDASES: 3436  
 GLUCURONATES: 3739, 3766, 3818  
 GLUCURONIDASE: 2130, 2474, 2674, 3011  
 GLUTAMATE DECARBOXYLASE: 815, 1035,

1851, 1898, 2311, 4236  
 GLUTAMATES: 231, 380, 934, 1330, 1412, 1555  
 1920, 2069, 2311, 2374, 2922, 4236  
 GLUTAMINE: 1317-1318  
 GLUTAMYL TRANSPEPTIDASE: 798, 880  
 GLUTATHIONE: 2984  
 GLUTATHIONE PEROXIDASE: 283  
 GLUTATHIONE TRANSFERASES: 215, 2830  
 GLYCERALDEHYDE: 2022  
 GLYCERALDEHYDEPHOSPHATE  
 DEHYDROGENASE: 3637  
 GLYCERIDES: 1791  
 GLYCERIN: 276, 362, 1707, 2257, 2838, 3141, 4154-4155  
 GLYCEROPHOSPHATES: 3807  
 GLYCINE: 231, 620, 1203, 1479  
 GLYCOGEN: 654-655, 1300, 1794, 2085, 3170, 3310, 3436  
 GLYCOGEN PHOSPHORYLASE: 1318, 1405, 2673, 3069, 3310, 3592, 3676  
 GLYCOGEN SYNTHETASE: 1405, 2085, 3592, 3676  
 GLYCOLATES: 2120  
 GLYCOLIPIDS: 3885  
 GLYCOLYSIS: 288, 500-501, 3924  
 GLYCOPEPTIDES: 2343, 2501, 4472-4473  
 GLYCOPROTEINS: 41, 90, 174, 265, 798, 1257, 1463, 1758, 1834, 3232, 2573, 2775, 2811, 2989, 3619, 3843, 4288, 4460  
 GLYCOSAMINOGLYCANS: 437, 3372  
 GLYCOSIDE HYDROLASES: 3011, 4473  
 GLYCOSIDES: 2424  
 GLYCOSURIA: 3636  
 GLYCYRRHETINIC ACID: 2186  
 GOATS: 577, 613, 902, 1491, 1510, 2289, 3075, 3665, 3848, 4223  
 GOITER: 189, 341, 1088, 1177, 1977, 2032, 2354, 2555, 2624, 2642, 2693, 2824, 2943, 2952, 3046, 3062, 3148, 3194, 3250, 3519, 3860, 3963, 3984  
 GOITER, ENDEMIC: 1301, 1881, 3144, 3808, 3875, 4052  
 GOITER, EXOPHTHALMIC: 189, 220, 527, 807, 989, 1142, 1211, 1633, 1639, 1850, 2002, 2285, 2306, 2317, 2550, 2592, 2660, 2716, 2721, 2803, 3039, 3073, 3584, 3910, 4226, 4325, 4357, 4390, 4509  
 GOITER, NODULAR: 220, 287, 364, 511, 527, 979, 1837, 2002, 2305-2306, 2354, 2506, 2550, 2716, 3046, 3713, 4325, 4359  
 GOITER, SUBSTERNAL: 350, 3869, 3990  
 GOLD: 794, 1062, 1079, 3090  
 GOLD COLLOID, RADIOACTIVE: 2492  
 GOLD RADIOISOTOPES: 72  
 GOLD THIOGLUCOSE: 794  
 GOLDFISH: 956, 2314, 2993, 3049, 3820  
 GOLGI APPARATUS: 161, 314, 1608, 1766, 2482, 2529, 3084-3085, 3135, 3568, 4436  
 GONADOTROPINS: 382, 693, 2246, 2249, 2298, 2315, 2544, 2713, 2923, 3161, 3501, 4282, 4383  
 GONADOTROPINS, CHORIONIC: 56, 106, 140-141, 156, 175, 230, 365, 417, 603, 674, 691, 693, 798, 854, 865, 901, 910, 993, 1031, 1288, 1358, 1488, 1507, 1549, 1752, 1779, 1826, 1886-1888, 2015, 2053, 2104, 2163, 2220, 2249, 2260-2261, 2275, 2380, 2497, 2572-2573, 2678, 2885, 2904, 3033-3037, 3191, 3252, 3258, 3327, 3369, 3462, 3471, 3550-3551, 3652, 3654, 3841, 3859, 3982, 4020, 4118, 4162, 4183, 4220, 4233, 4296-4297, 4321, 4405, 4519  
 GONADOTROPINS, EQUINE: 468, 727, 1224, 3810  
 GONADOTROPINS, PITUITARY: 799, 984, 1159, 1779, 2019, 2126, 2215, 2377, 2425, 2724, 2741, 3211, 3450, 3475, 4164, 4171, 4188, 4285  
 GONADS: 448, 1151, 2918, 3130, 3503, 3779, 4188, 4440, 4490  
 GOODPASTURE'S SYNDROME: 2520  
 GORILLAS: 3616  
 GRAAFIAN FOLLICLE: 282, 336, 664, 1224, 1603, 1680, 1718, 1978, 2177, 2271, 2885, 2947, 3134, 3964, 4296, 4319  
 GRAFT REJECTION: 48, 558, 1099, 1357, 1523, 2792, 2871, 4471  
 GRAFT SURVIVAL: 247, 573, 1150, 1523, 4471  
 GRAFT VS HOST REACTION: 84  
 GRAIN: 735, 2865  
 GRAM-NEGATIVE AEROBIC BACTERIA: 4074  
 GRAM-NEGATIVE ANAEROBIC BACTERIA: 4074



# SUBJECT INDEX

AMICIDINS: 2449, 2607  
ANULOCYTES: 454, 588, 1246, 1711, 1735, 152, 2648, 3370  
ANULOMA: 437, 650, 668  
ANULOSA CELL TUMOR: 632, 981, 1843, 865, 2817, 3958  
ANULOSA CELLS: 281, 336, 727, 1390, 303, 2552, 3076, 3670, 4296  
ASSES: 2134, 2511, 2865, 3198  
ASSHOPPERS: 2221  
AVITATION: 2913, 3768  
ISEOFULVIN: 1477, 3460  
OOMING: 759, 781, 947  
OWTH: 1470, 1629, 1836, 1881, 2110, 2518, 675, 3253, 3558, 4050, 4437  
OWTH DISORDERS: 1130, 1681, 3242, 3447, 449, 3558, 3666, 3893, 4027  
OWTH INHIBITORS: 226  
OWTH SUBSTANCES: 71, 311, 689, 3747, 460  
ANETHIDINE: 2814, 3474, 3783  
ANIDINES: 1455, 2613, 3142, 3433  
ANINE: 620  
ANINE NUCLEOTIDES: 633, 1379, 2883, 900, 3947  
ANINE  
CYCLIC-3',5'-MONOPHOSPHATE: 52, 237, 88, 308, 362, 367-370, 458, 491, 644, 653, 689, 830, 889, 930, 1034, 1087, 1104, 1163, 1318, 1330, 353, 1370, 1401, 1458, 1563, 1852, 1897, 2085, 2097, 2135, 2176, 2188, 2225, 2353, 2415, 2476, 483, 2528, 2543, 2552, 2686, 2756, 2883, 2928, 3005, 3042, 3095, 3097, 3281, 3300, 3353, 3366, 375, 3409, 3574, 3692, 3804, 3845, 4040, 4080, 484, 4179, 4228, 4343  
ANOSINE DIPHOSPHATE: 633  
ANOSINE MONOPHOSPHATE: 3900  
ANOSINE TRIPHOSPHATE: 1623, 1856, 614, 2883, 3096, 3900, 3950  
ANYL CYCLASE: 19, 644, 889, 946, 1401, 447, 1458, 2353, 2883, 3300, 3361, 3562, 3692, 845, 3908, 4075, 4080, 4179, 4250  
ANYLYL IMIDODIPHOSPHATE: 361, 76, 1623, 2173, 2614, 2797, 2883, 2933, 3096, 947, 4063-4065, 4432  
INEA PIGS: 36, 74, 99, 270, 338, 387, 401-402, 10, 478, 484-485, 517, 855, 1036-1037, 1075, 100, 1216, 1233, 1282, 1401, 1444, 1447, 1495, 516, 1518, 1538, 1554, 1599, 1620, 1677, 1697, 705, 1758, 1780, 1853, 1897, 1956, 2075, 2091-2092, 2135, 2191, 2209, 2256, 2276, 2367, 389, 2398, 2430, 2432, 2468-2469, 2525, 2682, 587, 3069, 3084-3085, 3091, 3111, 3116, 3150, 285, 3331, 3367, 3381, 3562, 3672-3673, 3751, 755, 3777-3778, 3799, 3862, 3935, 3986, 009-4010, 4080, 4161, 4222, 4256, 4271, 4312, 396-4397, 4425  
NANDROBLASTOMA: 3214  
NECOLOGY: 60, 2527  
NECOMASTIA: 1776, 3825

## H

2 ANTIGENS: 570, 4107  
Y ANTIGEN: 414, 2837, 4223  
BITUATION (PSYCHOPHYSIOLOGY):  
133, 3049, 3792  
IR: 1127, 1582, 2562  
IR REMOVAL: 2562  
LCINONIDE: 1169  
LF-LIFE: 593, 1079, 1339-1340, 2261, 2845, 996, 3836, 4479  
LLERMANN'S SYNDROME: 2537  
LLUCINATIONS: 1702  
LLUCINOGENS: 2236, 4313  
LOPERIDOL: 367, 369, 600, 734, 781, 1484, 498, 1792, 1896, 1955, 2461, 2690, 2746, 2788, 876, 2922, 2954, 3095, 3097, 3586  
LOTHANE: 1068, 1778, 1980, 2284, 2921, 390, 3917  
LMSTERS: 249, 385, 592, 670, 675, 786, 860, 97, 1197, 1342, 1412, 1453, 1672, 1712, 1758, 043, 2392, 2552, 2566, 2874, 3285, 3460, 3536, 747, 3797, 3805, 3874, 3879, 3887, 4208, 4222, 263, 4280, 4310, 4321  
ND: 208, 1074, 1529, 1728, 1817, 2345, 2707, 995, 3567, 4123  
ND DEFORMITIES, ACQUIRED: 297  
NDLING (PSYCHOLOGY): 3792

HAPLOIDY: 1142, 1541  
HAPTENS: 3298  
HARDERIAN GLAND: 480  
HARDNESS: 2395  
HARMALINE: 342, 367, 370  
HARTNUP DISEASE: 1940  
HAVERSIAN SYSTEM: 51  
HAY FEVER: 1743  
HEAD: 2487  
HEAD AND NECK NEOPLASMS: 1256, 2157, 2747, 3271, 3457, 4215  
HEADACHE: 313  
HEALTH: 438  
HEALTH EDUCATION: 257  
HEALTH SERVICES: 2032  
HEALTH SURVEYS: 696  
HEARING LOSS, BILATERAL: 1058  
HEARING LOSS, PARTIAL: 1058  
HEARING LOSS, SENSORINEURAL: 1058  
HEART: 170, 325, 539, 692, 844, 1540, 1554, 1620, 1845, 1934, 2003, 2024, 2072, 2251, 2277, 2442, 2476, 2528, 2941, 3239, 3688, 3899, 4009-4010, 4062, 4079, 4260, 4362  
HEART ARREST: 219  
HEART ARREST, INDUCED: 2024  
HEART ATRIUM: 17, 1313, 2135  
HEART BLOCK: 513  
HEART CATHETERIZATION: 871, 1660  
HEART CONDUCTION SYSTEM: 2402, 2669, 2736, 3251, 3629, 4090, 4177  
HEART DEFECTS, CONGENITAL: 1328, 2638, 3323, 4168  
HEART DISEASES: 1660, 2486, 3213, 3647  
HEART ENLARGEMENT: 839, 1470, 1544, 2081, 2790, 2941, 3157, 3338, 4084  
HEART FAILURE, CONGESTIVE: 836, 3647, 3805, 3929, 4253  
HEART NEOPLASMS: 2465, 3691  
HEART RATE: 232, 335, 459, 548, 671, 839, 844, 903, 1124, 1157, 1188, 1534, 1566, 1586, 1637, 1645, 1845, 1927, 1972, 2051, 2072, 2198, 2442, 2468, 2488-2489, 2528, 2721, 2825, 2987, 3006, 3048, 3188, 3239, 3251, 3307, 3504, 3702, 3726, 3751, 4010, 4302, 4342  
HEART SEPTAL DEFECTS: 3981  
HEART SURGERY: 3688  
HEART VENTRICLE: 839, 1128, 2073, 3132, 3647, 3702, 3909, 3948  
HEAT: 29, 765, 856, 1025, 1237, 1564, 1863, 2495, 2784, 3022, 3027, 3286, 3336, 3429, 3641, 3747, 3867  
HEDGEHOGS: 3469  
HEINZ BODIES: 1871  
HELA CELLS: 2822, 3293, 4358  
HELIX (SNAILS): 1400, 2357, 3152, 4369  
HEMAGGLUTINATION INHIBITION  
TESTS: 3652  
HEMAGGLUTINATION TESTS: 1009, 1150, 2831, 2871, 3532, 3652, 3841  
HEMANGIOENDOTHELIOMA: 177, 1258  
HEMANGIOMA: 177, 1211, 2667, 3057, 3564, 3614, 3649  
HEMANGIOMA, CAVERNOUS: 1162, 2009  
HEMATOCRIT: 75, 2040, 2790, 3712  
HEMATOLOGIC DISEASES: 1553, 2228, 3117, 3267, 3290, 3937  
HEMATOMA: 1015, 1787, 4331  
HEMATOPOIESIS: 168  
HEMATOPOIETIC STEM CELLS: 242, 2942, 3699  
HEMATOPOIETIC SYSTEM: 2228  
HEME: 946, 3052, 3566  
HEMIANOPSIA: 1302  
HEMICHOLINIUM 3: 2328  
HEMIN: 267, 3052  
HEMOCHROMATOSIS: 4191, 4284, 4420  
HEMODIALYSIS: 48, 269, 333, 383, 429, 521, 531, 606, 1242, 1290, 2019, 2144, 2158, 2190, 2538, 2710, 3014, 3182, 3184, 3351, 3558, 3704, 3785  
HEMODILUTION: 3062  
HEMODYNAMICS: 76, 232, 433, 906, 968, 1132, 1472, 1660, 1810, 1845, 1972, 2057, 2188, 2205, 2277, 2284, 2348, 2829, 3125, 3336, 3748, 3863, 3959, 3962, 4062, 4119-4120, 4479  
HEMOGLOBINOMETRY: 4114  
HEMOGLOBINS: 1871, 2180, 2942, 3566, 3714  
HEMOLYMPH: 1517  
HEMOLYSINS: 1025  
HEMOLYSIS: 155, 249, 1871

HEMOLYTIC PLAQUE TECHNIC: 2004  
HEMOLYTIC-UREMIC SYNDROME: 1389, 3332  
HEMORRHAGE: 352, 447, 1114, 1313, 1823, 1958, 2420, 2697, 4058  
HEMORRHAGE, GASTROINTESTINAL: 321, 359, 835, 1842, 3567  
HEMORRHAGE, POSTPARTUM: 192, 3355  
HEMORRHAGIC FEVER, EPIDEMIC: 3748  
HEMOSIDERIN: 2782  
HEMOSIDEROUS: 65, 531  
HEMOSTASIS: 1291, 4068, 4469  
HEMOSTASIS, SURGICAL: 1588  
HEMOSTATIC TECHNIQS: 1842  
HEPARIN: 76, 326, 1802, 2473, 3074, 3141, 3372, 4039, 4259  
HEPARITIN SULFATE: 3946  
HEPATECTOMY: 226, 2287, 2403, 2756, 3850  
HEPATIC ARTERY: 354-355, 3348  
HEPATIC COMA: 321, 3575  
HEPATITIS: 159, 275, 911, 2228, 2470, 3127, 3149, 3939  
HEPATITIS A: 542, 574  
HEPATITIS, ALCOHOLIC: 3910  
HEPATITIS B: 542, 574, 2652  
HEPATITIS B ANTIGENS: 3127, 3980  
HEPATITIS B SURFACE ANTIGEN: 159, 424  
HEPATITIS, CANINE INFECTIOUS: 3906  
HEPATITIS, TOXIC: 1307, 2403, 2532, 3904  
HEPATITIS, VIRAL, HUMAN: 159, 363, 911, 1152, 1819, 2462, 3385  
HEPATO LENTICULAR DEGENERATION: 597  
HEPATOMA: 162, 714, 1606, 1668, 1685, 2606, 3417, 3674, 4032  
HEPATOMA, EXPERIMENTAL: 686, 889, 987, 1685, 3460, 3826, 3836, 4358, 4361, 4426  
HEPATOMEGALY: 1296, 1544  
HEREDITARY DISEASES: 1541, 2726  
HERMAPHRODITISM: 38, 167, 1476, 1556, 2904, 2918, 3437, 4223  
HERPES SIMPLEX: 1065, 1137  
HERPES ZOSTER: 1213, 2663, 3267  
HERPESVIRUS HOMINIS: 1065, 1578, 2982, 3077, 3193  
HERPESVIRUS INFECTIONS: 3077  
HETEROCHROMATIN: 1548, 3364, 4159, 4184  
HETEROZYGOTE: 658, 2353, 4159, 4196  
HEXAMETHONIUM COMPOUNDS: 1318, 1709, 3177  
HEXESTROL: 4379  
HEXOKINASE: 2698  
HEXOSAMINES: 254, 2472  
HEXOSAMINIDASES: 180, 2129  
HEXOSE DIPHOSPHATASE: 3502  
HEXOSEPHOSPHATES: 3587  
HEXOSSES: 12, 1152, 2343  
HEXURONIC ACIDS: 793  
HIBERNATION: 1781, 1902, 3469, 4023  
HICCUP: 109  
HIND LIMB: 322, 585, 1225, 1238, 1510, 1574, 1671, 2205, 2545, 2829, 3359  
HIP: 546, 3015  
HIP DISLOCATION, CONGENITAL: 3946  
HIP FRACTURES: 3350  
HIPPOCAMPUS: 145, 939, 947, 953, 1028, 1032, 1086, 1135, 1267, 1744, 1834, 1951, 2026, 2708, 2731, 3731  
HIRSUTISM: 221, 421, 1536, 2105, 2238, 2332, 2562, 4462  
HISTAMINASE: 1573  
HISTAMINE: 112, 179, 335, 561, 1032, 1195, 1225, 1412, 1697, 1721, 1802, 1956, 2091-2092, 2102, 2162, 2256, 2365, 2642, 2661, 2687, 3207, 3263, 3283, 3372, 3526, 3573, 3714, 4009, 4189, 4285, 4425, 4444, 4522  
HISTAMINE H1 RECEPTOR BLOCKADERS : 134, 229, 696, 1820, 2102, 2162, 3017, 3166, 3971  
HISTAMINE H2 RECEPTOR BLOCKADERS : 1438, 2162  
HISTAMINE LIBERATION: 696, 837, 1100, 1820  
HISTIDINE: 3269, 4285  
HISTIDINE DECARBOXYLASE: 3207  
HISTIOCYTES: 1246  
HISTIOCYTOSIS X: 1246, 3440, 4036  
HISTOCOMPATIBILITY ANTIGENS: 1541, 2010, 3774  
HISTOCOMPATIBILITY TESTING: 658



# SUBJECT INDEX

HISTOCYTOCHEMISTRY: 74, 118, 245, 330, 343, 625, 694, 743, 855, 878, 1118, 1285, 1322, 1428, 1543, 1648, 1691, 1715, 1975, 2031, 2075, 2326, 2331, 2389, 2396-2397, 2413, 2674, 2676, 2770, 2775, 2782, 3146, 3310, 3627, 3709, 3799, 3801-3802, 3929, 3935, 4013  
HISTOLOGICAL TECHNIQS: 472, 1146, 1554, 3131, 3870  
HISTONE KINASE: 699, 2547  
HISTONES: 1444, 2085, 2679  
HISTOPLASMIN: 845  
HISTORY OF MEDICINE, ANCIENT: 3131, 3598, 4050  
HISTORY OF MEDICINE, 19TH CENT.: 955, 2493, 2527, 4268  
HISTORY OF MEDICINE, 20TH CENT.: 347, 955, 1506, 1644, 2096, 2248, 2493, 2728, 3126, 3337, 3960, 4268  
HISTORY OF MEDICINE, MODERN: 4050  
HL-A ANTIGENS: 658, 1142, 1541, 2285, 2356, 2546, 2629, 3406, 3478, 3506, 4061  
HODGKIN'S DISEASE: 277, 524, 955, 1256, 1489, 1592, 1638, 2048, 2279, 2663, 3068, 3115, 3242, 3410, 3445, 4077, 4260, 4433  
HOME CARE SERVICES: 470  
HOMEOSTASIS: 37, 119, 133, 226, 469, 560, 905, 1264, 1425, 1609, 2781, 3300, 3863, 4244, 4261, 4330  
HOMOCYSTEINE: 1282, 3234  
HOMOSEXUALITY: 167, 309, 2779, 2798  
HOMOVANILLIC ACID: 379, 815, 1896, 2036, 3617, 4124, 4145, 4326  
HOMOZYGOTE: 658, 1501, 1541, 2353, 4196  
HORMONE ANTAGONISTS: 4135  
HORMONES: 54, 119, 136, 146-147, 206, 226, 294, 299, 431, 503, 605, 632, 652, 726, 765, 767, 786, 795, 853, 960, 1061, 1122, 1145, 1176, 1245, 1356, 1507, 1547, 1668, 1729, 1801, 1827, 1847, 1891, 1902, 1986, 2183, 2313, 2379, 2428, 2495, 2544, 2621, 2647, 2650, 2704, 2728, 2730, 2757, 2764, 2827, 2893, 2920, 2942, 2982, 2992, 3083, 3265, 3328, 3372, 3569, 3572, 3582, 3686, 3753-3754, 3835, 3862, 3892, 3935, 4007, 4043, 4050, 4135, 4377, 4442, 4495  
HORMONES, ECTOPIC: 8, 559, 755, 782, 1082, 1154, 1275, 1573, 1826, 1844, 2105, 2342, 2631, 2832, 3008, 3318-3319, 3349, 3674, 3682, 3761-3762, 3865, 4047  
HORMONES, SYNTHETIC: 259, 754, 964, 2401, 2546, 2953, 3150, 3517, 3555  
HORNS: 1765  
HORSE RADISH PEROXIDASE: 115, 2605, 2705, 3434, 3580, 3714  
HORSES: 67, 127, 236, 1758, 1838, 1908, 4204  
HORSESHOE CRABS: 2282  
HOSPITAL BED CAPACITY, 200 TO 499: 3121  
HOSPITAL BED CAPACITY, 500 AND OVER: 2023  
HOSPITAL UNITS: 791  
HOSPITALIZATION: 470, 2023, 3864  
HOSPITALS, PSYCHIATRIC: 682, 2516, 3610  
HOSPITALS, TEACHING: 3963  
HOUSING, ANIMAL: 83, 2202  
HUMERUS: 51, 961, 1489, 2345, 3789  
HUMIDITY: 316  
HUNGER: 3922  
HUNTINGTON CHOREA: 3126  
HYALURONIC ACID: 180, 1863, 3372  
HYALURONIDASE: 1613, 2233  
HYBRID CELLS: 4170  
HYBRIDIZATION: 2786  
HYDANTOINS: 1238, 4330  
HYDATIDIFORM MOLE: 306, 691, 901, 963, 1532, 1889, 2604, 3012, 3119, 3462, 3588, 3967, 4057, 4232, 4337, 4450  
HYDRALAZINE: 244, 1054, 2519, 2814  
HYDRAZINES: 125, 2627, 3090, 3477  
HYDROCARBONS, FLUORINATED: 2971  
HYDROCELE: 257, 3905, 4466  
HYDROCHLORIC ACID: 40, 1956  
HYDROCHLOROTHIAZIDE: 212, 1054, 2858, 3257, 4134, 4365  
HYDROCORTISONE: 10, 25, 29, 35, 43, 82, 113, 356, 387, 441, 482, 502, 513, 515, 517, 572, 585, 605, 630, 655, 697, 744, 748, 771, 841, 855, 871, 890, 909, 952, 969, 972-973, 1019, 1024, 1026, 1077, 1086, 1089, 1117, 1122, 1172, 1184, 1219, 1229, 1237, 1271, 1334, 1356, 1367, 1403, 1421, 1444, 1569, 1575, 1628, 1610, 1621, 1683, 1729, 1734, 1738, 1743, 1778, 1794, 1828, 1847, 1871,

1891, 1936, 1961, 1969, 2004, 2024, 2042, 2045, 2050, 2066, 2106, 2123, 2152, 2186, 2231-2232, 2313, 2359, 2454, 2473, 2490, 2513, 2535, 2544, 2546, 2583, 2594, 2695, 2704, 2742, 2759, 2791, 2840, 2843, 2882, 2937, 2970, 2982, 3068, 3083, 3238, 3250, 3253, 3265, 3328, 3341-3342, 3347, 3459, 3470, 3507, 3548, 3550, 3566, 3570, 3626, 3644, 3662, 3699, 3707, 3755, 3774, 3798, 3814, 3817, 3889, 3903, 3923, 3930, 3948, 3977, 3996, 4182, 4202, 4206, 4231, 4235, 4243, 4245, 4293, 4366, 4409  
HYDROCORTISONE, TOPICAL: 35-36, 148, 506, 551, 2212  
HYDROGEN: 174  
HYDROGEN BONDING: 382, 2483  
HYDROGEN-ION CONCENTRATION: 40, 166, 180, 188, 196, 210, 249, 255, 382, 454, 480, 602, 610, 694, 835, 962, 1018, 1037, 1119, 1520, 1587, 1783, 1910, 2060, 2241, 2312, 2335, 2350, 2376, 2384, 2390, 2483, 2703, 2990, 3083, 3593, 3778, 4112, 4194, 4203, 4478  
HYDROGEN PEROXIDE: 403, 454, 1859  
HYDROLASES: 1736, 2129-2130, 3084  
HYDROLYSIS: 1384, 1536, 1547, 1651, 1911, 2070, 2610  
HYDRONEPHROSIS: 1439, 1873  
HYDROSTATIC PRESSURE: 4283  
HYDROXIDES: 3208  
HYDROXY ACIDS: 1447  
HYDROXYAPATITES: 3216  
HYDROXYBUTYRATES: 409, 1335, 1914  
25-HYDROXYCHOLECALCIFEROL-1-HY: 928, 2509, 3831  
HYDROXYCHOLECALCIFEROLS: 133, 169, 201, 477, 613, 713, 738, 791, 928-929, 995, 1235, 1522, 1609, 1674, 1924, 2134, 2140, 2467, 2592, 2606, 2806, 2907, 2978, 3088, 3162, 3168, 3183-3186, 3301, 3315, 3613, 3752, 3831, 3839, 3931, 3991, 4200, 4267, 4340  
HYDROXYCHOLESTEROLS: 4006  
HYDROXYCORTICOSTEROIDS: 3698  
11-HYDROXYCORTICOSTEROIDS: 1407, 1949, 3082, 4046, 4241  
17-HYDROXYCORTICOSTEROIDS: 978, 1825, 2050, 2567, 2661, 3394, 3514, 3745, 4158  
18-HYDROXYCORTICOSTERONE: 3633  
18-HYDROXYDESOXYCORTICOSTERON: 1303, 1732, 4197  
HYDROXYDIONE: 295  
HYDROXYDOPAMINE: 490, 1139, 1279, 1289, 1545, 1716, 2011, 2205, 2266, 2469, 2746, 2916, 3006, 3239, 3398, 3772, 3914, 4016  
HYDROXYESTRONES: 4375  
HYDROXYINDOLEACETIC ACID: 214, 307, 379, 381, 408, 737, 794, 837, 1323, 1369, 1637, 2036, 2100, 2153, 2685, 2694, 3006, 3195, 3200, 3303, 3805, 3968, 3996, 4085, 4147, 4280, 4326  
HYDROXYLAMINES: 2883, 4075  
HYDROXYLASES: 740, 2356, 3052, 3530  
HYDROXYLATION: 163, 202, 387, 656, 928, 2337, 2978, 3023, 3111, 3530, 3991, 4198, 4386, 4483  
HYDROXYLYSINE: 412  
HYDROXYMETHYLGLUTARYL COA REDUCTASES: 16, 1422  
HYDROXYMETHYLGLUTARYL COA SYNTHASE: 3293  
HYDROXYPROGESTERONES: 1178, 1567, 1734, 1738, 2463, 2546, 2797, 2882, 3191, 4027, 4110  
HYDROXYPROLINE: 80, 389, 412, 1559, 2974, 3338, 4443  
HYDROXYPROSTAGLANDIN DEHYDROGENASES: 2503, 3048, 4364  
HYDROXYSTEROID DEHYDROGENASES: 2304, 2464, 4151  
3-HYDROXYSTEROID DEHYDROGENASES: 1388, 1436, 1618, 2189  
17-HYDROXYSTEROID DEHYDROGENASES: 403, 4194  
20-HYDROXYSTEROID DEHYDROGENASES: 2450, 3952  
HYDROXYSTEROIDS: 1377, 1437  
HYDROXYTRYPTOPHAN: 490, 624, 733, 737, 1323, 1369, 1531, 1626, 1761, 1995, 2083, 2582, 3044, 3114, 3254, 3512, 3968, 4076  
HYDROXYTRYPTOPHOL: 214, 2955  
HYDROXYUREA: 1994  
HYDROXYZINE: 2102  
HYGIENE: 328

HYMENOLEPIS: 706  
HYPERALDOSTERONISM: 372, 582, 1023, 1120, 1276-1277, 1373, 1560, 1841, 2150, 2159, 2717, 2737, 2977, 3490, 3505, 3522, 3524, 3527, 3923, 4131, 4182, 4502  
HYPERALGESIA: 1671  
HYPERBARIC OXYGENATION: 2962  
HYPERCALCEMIA: 9, 42, 248, 475-476, 494, 713, 774, 884, 886, 1894, 1948, 2412, 2422, 2467, 2648, 2729, 2736, 2843, 2950, 2953, 2988, 3244, 3360, 3556, 3827, 3834, 3898, 3998, 4028, 4044, 4251, 4451, 4498, 4512  
HYPERCAPNIA: 1335  
HYPERCHOLESTEREMIA: 222  
HYPEREMIA: 1071  
HYPERGAMMAGLOBULINEMIA: 4045, 427  
HYPERGLYCEMIA: 501, 1840, 4428  
HYPERGLYCEMIC HYPEROSMOLAR NONKETOTIC COMA: 1687, 2617  
HYPERHIDROSIS: 318  
HYPERKALEMIA: 3276, 4503  
HYPERKINESIS: 3253  
HYPERLIPEMIA: 1242, 1398, 3267  
HYPERNATREMIA: 268, 1229, 2892  
HYPEROSTOSIS FRONTALIS INTERNA: 774  
HYPERPARATHYROIDISM: 42, 103, 133, 154, 248, 397, 462, 475, 494, 511, 568, 783, 884, 1048, 1092, 1109, 1180, 1250, 1274, 1515, 1576, 1894, 1948, 1992, 2101, 2112, 2422, 2559, 2667, 2820, 3018, 3225, 3244, 3360, 3827, 3834, 4011, 4028, 4284, 4512  
HYPERPARATHYROIDISM, SECONDARY: 495, 974, 1107, 1180, 1682, 1894, 1992, 2620, 3029, 3184, 3704, 3785, 3827  
HYPERPITUITARISM: 2425  
HYPERPLASIA: 162, 714, 917, 986, 1264, 1308-1309, 1454, 1978, 2159, 2599, 3501, 3682, 4028  
HYPERSENSITIVITY: 696, 3573  
HYPERSENSITIVITY, DELAYED: 478, 1021, 2418, 3579  
HYPERSENSITIVITY, IMMEDIATE: 696  
HYPERTELORISM: 1492  
HYPERTENSION: 121, 191, 212, 244, 317, 360-361, 428, 487, 528, 538, 548, 640, 703, 760, 813, 839, 887, 900, 945, 970, 1016, 1022, 1041, 1054, 1064, 1125, 1131, 1315, 1337, 1354, 1360, 1464, 1471-1472, 1550, 1563, 1611, 1645, 1664, 1704, 1709, 1721, 1723, 1725, 1732-1733, 1749, 1810, 1858, 1880, 1906, 1927, 1968, 2077, 2139, 2149, 2181, 2198, 2205, 2237, 2283-2284, 2320, 2346, 2451, 2459, 2498, 2532, 2538, 2710, 2737, 2783, 2799, 2814, 2825, 2848, 2934, 2961, 2977, 3006, 3009-3010, 3061, 3086-3087, 3199, 3202, 3213, 3245, 3271, 3320, 3354, 3391, 3404, 3417, 3474, 3498, 3504-3505, 3514, 3522, 3600, 3804, 3915, 3923, 3936-3937, 3973, 3993, 4048, 4054, 4134, 4257, 4278, 4302, 4306, 4327, 4408, 4437, 4445, 4447, 4479, 4496-4497, 4500, 4511  
HYPERTENSION, MALIGNANT: 2710, 2738  
HYPERTENSION, PORTAL: 321  
HYPERTENSION, PULMONARY: 871, 2229  
HYPERTENSION, RENAL: 130, 164, 529, 548, 648, 887, 905, 945, 970, 1022, 1366, 1678, 1749-1750, 2149, 2158, 2205, 2738, 2976-2977, 3067, 3332, 3498, 3552, 3748, 3856, 4071, 4199, 4306, 4452, 4464  
HYPERTENSION, RENOVASCULAR: 130, 164, 905, 945, 1022, 1430, 1750, 3067, 3498, 3615, 3856, 4199, 4452, 4464  
HYPERTHYROIDISM: 1, 45, 120, 149, 189-190, 220, 253, 287, 428, 527, 562, 574, 580, 606, 658, 680-682, 807, 844, 989, 1043, 1160-1161, 1306, 1377, 1385, 1408, 1633, 1658, 1950, 1964, 1976, 2239, 2250, 2252, 2306, 2327, 2393, 2418, 2421, 2459, 2488-2489, 2492, 2516, 2559, 2584, 2591, 2665, 2670, 2716, 2743, 2749, 2753, 2813, 2838, 2850, 2899, 2909, 2968, 3046, 3133, 3304, 3312, 3339, 3354, 3394, 3519, 3581, 3645, 3713, 3721, 3741, 3791, 3837, 3849, 3860, 3875, 3894, 3963, 3966, 4017, 4037, 4045, 4187, 4254, 4325, 4474, 4504  
HYPERTONIC SOLUTIONS: 2113, 2762  
HYPERTROPHY: 101, 1890, 2225, 2741, 4208  
HYPERVENTILATION: 1598  
HYPNOTICS AND SEDATIVES: 76, 1820, 2683  
HYPOCALCEMIA: 331, 532, 1913, 2601, 2626, 2764-2765, 3659



# SUBJECT INDEX

HYPOCHONDRIASIS: 2720  
HYPOGLYCEMIA: 219, 299, 344, 616, 1840, 3047, 3761, 4153  
HYPOGLYCEMIC AGENTS: 183, 2208, 2683  
HYPOGONADISM: 56, 629, 918, 944, 1000, 1978, 3033, 3340, 3374, 3509, 3825, 4420  
HYPOHIDROSIS: 2980  
HYPOKALEMIA: 20, 476, 1841, 2743, 2769, 3490, 3505, 4502  
HYPONATREMIA: 1229, 3219, 4088  
HYPOPARATHYROIDISM: 462, 583, 789, 1674, 2112, 2480, 2592, 2806, 3659, 3984, 4059, 4498  
HYPOPHOSPHATASIA: 3360  
HYPOPHOSPHATEMIA, FAMILIAL: 3613, 3624  
HYPOPHYSECTOMY: 160, 170, 191, 324, 504-505, 554, 654-655, 852, 882, 1027, 1044, 1331, 1467, 1642, 1960, 1998, 2000, 2046, 2119, 2287-2288, 2304, 2316, 2377, 2482, 2491, 2510, 2871, 2906, 3137, 3161, 3507, 3680, 3756, 3819, 3972, 4051, 4286, 4303  
HYPOPITUITARISM: 324, 372, 830, 984, 1229, 1636, 2218, 2425, 2760, 3047, 3421, 3746, 3895, 3909, 4153  
HYPOSPADIAS: 4372  
HYPOTENSION: 428, 1114, 2549, 3313  
HYPOTENSION, CONTROLLED: 3977  
HYPOTENSION, ORTHOSTATIC: 4134  
HYPOTHALAMIC HORMONES: 504, 965, 1194, 1506, 2107, 2246, 2425, 2724, 3555, 4133  
HYPOTHALAMO-HYPOPHYSEAL SYSTEM : 70, 95, 268, 411, 469, 824-825, 852, 923, 975, 977, 1111-1112, 1194, 1262, 1314, 1424, 1498, 1506, 1508, 1799, 1848, 1953, 1960, 1997-1998, 2012, 2191, 2193, 2246, 2275, 2351, 2381, 2549, 2680, 2687, 2713, 2742, 2762, 2774, 2788, 2902, 3044, 3089, 3092, 3136, 3211-3212, 3255, 3387, 3450, 3475, 3487, 3500, 3546, 3661, 3666, 3733, 3767, 3775, 3860, 3882, 4013, 4015, 4133, 4169, 4214, 4234, 4287, 4339, 4377, 4465, 4484  
HYPOTHALAMUS: 7, 50, 70, 77, 87, 97, 100, 111, 129, 178, 199-200, 209, 235, 243, 245-246, 300, 322-323, 380, 394, 417, 436, 439, 459, 514, 540, 548, 552, 589, 625, 666, 679, 688, 760, 795, 810, 850, 852, 877, 937, 939, 947, 951, 978, 1028, 1124, 1135-1136, 1140, 1143, 1146, 1165, 1184-1185, 1189, 1192-1193, 1215, 1232, 1247, 1254, 1263, 1269, 1313, 1322, 1327, 1346, 1349, 1410, 1436, 1445, 1480, 1487, 1498, 1508, 1525, 1535, 1555, 1597, 1607, 1687, 1690, 1694, 1741, 1761, 1770, 1779, 1799, 1818, 1831, 1851, 1903, 1915-1916, 1938, 1953-1954, 1963, 1965, 1997-1998, 2026, 2033, 2088, 2100, 2107-2108, 2145, 2178, 2189, 2210, 2243, 2253, 2299, 2338-2339, 2342, 2349, 2381, 2396-2397, 2404-2405, 2410, 2435, 2442, 2448, 2460, 2468, 2522, 2548-2549, 2566, 2578-2579, 2602, 2630, 2670, 2672, 2702, 2735, 2760, 2768, 2770, 2784, 2808, 2829, 2860, 2874, 2887, 2894, 2912, 2916, 2960, 2963, 2983, 2998, 3082, 3089, 3092, 3105, 3112, 3146, 3158, 3177, 3187, 3207, 3215, 3224, 3234, 3241, 3284, 3296, 3308, 3336, 3374, 3390, 3398, 3427, 3465, 3496, 3554-3555, 3580, 3687, 3719, 3775, 3799, 3806, 3860, 3922, 3927, 3970, 3973, 3994, 4016, 4034, 4078, 4082, 4105, 4115, 4122, 4144, 4160, 4163, 4166, 4175, 4196, 4222, 4236, 4273, 4287, 4303, 4327, 4336, 4339, 4439, 4447, 4465  
HYPOTHALAMUS, ANTERIOR: 87, 322, 850, 1184, 1770, 1851, 2243, 2410, 2808, 3398  
HYPOTHALAMUS, MEDIAL: 50, 411, 794-795, 1184, 1831, 1851, 1997, 2243, 2381, 2405, 2566, 2735, 2808, 3284, 3427, 4034, 4236, 4303, 4336  
HYPOTHALAMUS, POSTERIOR: 548, 688, 850, 1146, 1851, 1915, 2548, 2829, 2894, 3398, 3973  
HYPOTHERMIA: 589, 730, 1697, 2860, 3336  
HYPOTHERMIA, INDUCED: 1598, 3688  
HYPOTHYROIDISM: 45, 78, 143, 149, 189, 222, 298, 302, 324-325, 460, 747, 774, 985, 1088, 1091, 1161, 1199, 1204, 1210, 1306, 1316, 1377, 1385, 1414, 1587, 1703, 1857, 1890, 1922, 2120, 2290, 2341, 2421, 2475, 2489, 2496, 2516, 2565, 2582, 2618, 2665, 2670, 2693, 2716, 2723, 2778, 2838-2839, 2909, 3039, 3060, 3194, 3203, 3219, 3303-3304, 3312, 3333, 3376, 3389, 3519, 3538, 3549, 3646, 3681, 3791, 3793, 3848, 3860, 3877, 3894, 3966, 3984, 4108, 4325, 4474, 4518  
HYPOXANTHINE

PHOSPHORIBOSYLTRANSFERASE: 2780, 3732  
HYPOXANTHINES: 620, 4358  
HYSTERECTOMY: 447, 1549, 1756, 1873, 3065, 3246, 3701, 4121  
HYSTEROSALPINGOGRAPHY: 1359, 2745

## I

IATROGENIC DISEASE: 1873  
IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS: 2459  
IDOXURIDINE: 377, 406, 2007  
IFOBAMIDE: 1592  
IGA: 471, 571, 1493  
IGD: 4272  
IGE: 696  
IGG: 24, 471, 571, 1493, 1675, 1814-1815, 3438, 3570, 3979, 4451, 4461  
IGM: 24, 471, 571, 1493, 2749, 3979  
ILEITIS: 3267  
ILEUM: 182, 587, 1233, 1289, 1780, 2025, 2256, 2398, 3381, 4161, 4425  
ILIAC ARTERY: 3744  
ILIUM: 1754  
ILLUSIONS: 3764  
IMIDAZOLES: 99, 579, 1111, 1438, 3160, 3309  
IMIPRAMINE: 2711, 2772, 3251, 3663  
IMMERSION: 3783, 4283  
IMMOBILIZATION: 947, 1426, 1455, 2119, 3257  
IMMUNE COMPLEX DISEASE: 1922, 3109  
IMMUNE SERUMS: 129, 194, 229, 272, 636, 839, 902, 1969, 2297, 2499, 2530, 2802, 3294, 3369, 3521, 3652, 3774, 3886, 3925  
IMMUNE TOLERANCE: 1507, 2550  
IMMUNITY: 71, 181, 571, 1192, 1375, 1507, 2299, 3077, 3129, 3980  
IMMUNITY, CELLULAR: 181, 975, 977, 1216, 1357, 1482, 1507, 2300, 2418, 2871, 3113, 3129, 3579, 3769, 3979, 4272  
IMMUNITY, NATURAL: 2441  
IMMUNITY, PASSIVE: 451, 821, 2802  
IMMUNIZATION: 1507, 1949, 3055  
IMMUNOASSAY: 1768, 2474, 2965, 3928, 3966, 4118  
IMMUNOBLASTIC LYMPHADENOPATHY: 2699, 3576  
IMMUNOCHEMISTRY: 74, 1505, 2805  
IMMUNOELECTROPHORESIS: 218, 1748, 2240, 2247, 2943  
IMMUNOELECTROPHORESIS, TWO-DIMENSIONAL: 3521  
IMMUNOENZYME TECHNIQUES: 111, 194, 256, 337, 584, 636, 693, 1424, 1466, 1557, 1648, 2123, 2292, 2757, 2812, 3099, 3357, 3483-3484, 3516, 3553, 3670, 3799, 3886, 3925, 4350  
IMMUNOGLOBULIN IDIOTYPES: 3980  
IMMUNOGLOBULINS: 471, 720, 1493, 1808, 2240, 2699, 3380, 3769  
IMMUNOGLOBULINS, FC: 1748, 4461  
IMMUNOGLOBULINS, KAPPA CHAIN: 1686  
IMMUNOGLOBULINS, LIGHT CHAIN: 1686  
IMMUNOGLOBULINS, SURFACE: 1134, 3113, 4461  
IMMUNOLOGIC CAPPING: 4461  
IMMUNOLOGIC DEFICIENCY SYNDROMES: 975, 977, 3473, 3979, 4247  
IMMUNOLOGIC DISEASES: 181  
IMMUNOLOGIC MEMORY: 3980, 4272  
IMMUNOLOGIC TECHNIQUES: 194, 4273, 4350  
IMMUNOSORBENT TECHNIQUES: 913, 2241  
IMMUNOSORBENTS: 3521  
IMMUNOSUPPRESSION: 84, 558, 573, 1141, 1150, 1216, 1255, 1423, 1538, 1949, 2004, 3129  
IMMUNOSUPPRESSIVE AGENTS: 181, 542, 1062, 1312, 1731, 1800, 1883, 1981, 2520, 2653, 2676, 3077, 3127  
IMMUNOTHERAPY: 579, 1255, 2647, 3582  
IMPOTENCE: 629, 3565, 4362  
INAPPROPRIATE ADH SYNDROME: 589, 775, 868, 2608, 2633, 3169, 3628, 4419  
INCISOR: 1324  
INCLUSION BODIES, VIRAL: 3797  
INCOME: 1223  
INDENES: 819  
INDIANS, NORTH AMERICAN: 3598  
INDICATORS AND REAGENTS: 308, 577, 2875, 2971, 3540  
INDOCYANINE GREEN: 1052

INDOLEACETIC ACIDS: 2612  
INDOLES: 33, 214, 1279, 1864, 2612, 2955, 3477, 3927, 4067  
INDOMETHACIN: 73, 237, 483, 485, 506, 523, 614, 727, 741-742, 841, 874, 895, 971, 1041, 1156, 1261, 1298, 1364, 1421, 1423, 1551, 1583, 1613, 1708, 1991, 2120, 2150, 2159, 2291, 2365, 2517, 2620, 2740, 3002, 3025, 3048, 3087, 3179, 3361, 3804, 3838, 3916, 3999, 4131, 4219, 4318, 4457  
INFANT: 35, 37, 39, 58, 78, 92, 123, 138, 211, 291, 295, 302, 315, 318, 532, 678, 680, 700, 716, 894, 927, 954, 1026, 1042, 1051, 1065, 1091, 1149, 1176, 1204, 1209, 1211, 1246, 1320, 1328, 1352, 1367, 1415, 1439, 1482-1483, 1492, 1501, 1522, 1584-1585, 1622, 1636, 1643, 1680-1681, 1689, 1718, 1779, 1793, 1950, 2106, 2227, 2290, 2313, 2324, 2475, 2486, 2654, 2663, 2669, 2758, 2889, 2923, 2935, 2976, 3071, 3168, 3272, 3289, 3343, 3378, 3525, 3563, 3584, 3624, 3635, 3746, 3795, 3828, 3856-3858, 3866, 3894, 3931, 3942, 4036, 4088, 4091, 4093, 4136, 4168, 4246, 4348, 4355, 4368, 4372, 4384-4385, 4418, 4443, 4516  
INFANT, LOW BIRTH WEIGHT: 2565, 2688, 2706, 3329  
INFANT MORTALITY: 1007, 1566, 3334  
INFANT, NEWBORN: 37, 53, 58, 71, 123, 138, 211, 291, 298, 318, 326, 331, 386, 451, 493, 575, 678, 717, 820, 832, 891, 894, 922, 1091, 1204, 1209, 1211, 1227, 1246, 1320, 1328, 1343, 1352, 1367, 1431, 1435, 1439, 1473, 1501, 1577, 1586, 1600, 1614, 1622, 1643, 1646, 1703, 1718, 1728, 1779, 1809, 1925, 1950, 1957, 1970, 2001, 2146, 2213-2214, 2269, 2290, 2294, 2348, 2409, 2486, 2502, 2563, 2565, 2669, 2693, 2706, 2759, 2935, 3102, 3117, 3144, 3272, 3307, 3329, 3334, 3376, 3386, 3399, 3403, 3466, 3545, 3563, 3645-3646, 3654, 3705, 3734, 3750, 3828, 3858, 3894, 4093, 4095, 4108, 4172, 4341, 4356, 4368, 4385, 4441, 4449, 4518  
INFANT, NEWBORN, DISEASES: 53, 298, 331, 1204, 1728, 2565, 3144, 3376, 3466, 3646, 3705, 4108  
INFANT, POSTMATURE: 2001  
INFANT, PREMATURE: 1614, 2563  
INFANT, PREMATURE, DISEASES: 1343  
INFECTION: 134, 438, 2486  
INFECTIOUS BOVINE RHINOTRACHEITIS : 2897  
INFECTIOUS BOVINE RHINOTRACHEITIS VIRUS: 2897  
INFECTIOUS MONONUCLEOSIS: 3267  
INFLAMMATION: 1071, 1222, 4156  
INFLUENZA: 3187  
INFORMATION SERVICES: 2023  
INFORMED CONSENT: 971, 2023  
INFRARED RAYS: 60  
INFUSIONS, INTRA-ARTERIAL: 1842, 3348  
INFUSIONS, PARENTERAL: 9, 273, 568, 871, 900, 918, 1164, 1247, 1496, 1877, 1879, 1943, 2280, 2873, 2938, 2953, 3348, 3676, 3923, 3960, 4039, 4074, 4207, 4318  
INGUINAL HERNIA: 3071, 4372  
INJECTIONS: 67, 250, 262, 368, 459, 648, 665, 1225, 1663, 1671, 2339, 2908, 2925, 3277, 4331, 4410, 4435  
INJECTIONS, INTRA-ARTICULAR: 1580, 2481, 2492, 3832  
INJECTIONS, INTRADERMAL: 3707  
INJECTIONS, INTRAMUSCULAR: 67, 197, 400, 637, 649, 967, 1904, 1924, 2603  
INJECTIONS, INTRAPERITONEAL: 300, 516, 695, 1214, 1665, 2694, 4206, 4315  
INJECTIONS, INTRATHECAL: 72, 1072, 4258  
INJECTIONS, INTRAVENOUS: 171, 634, 700, 710, 826, 871, 906, 918, 922, 964, 1188, 1339, 1537, 1878, 1932, 2115, 2210, 2423, 2890, 2927, 3019, 3048, 3229, 3433, 3640, 3751, 4086, 4464, 4476  
INJECTIONS, INTRAVENTRICULAR: 262, 519, 695, 730, 759, 781, 872, 1139, 1157, 1271, 1315, 1323, 1816, 2011-2012, 2694, 2959, 3724, 4016, 4086-4087, 4190, 4383  
INNOMINATE ARTERY: 1432  
INOSINE: 4358  
INOSITOL: 333, 2267  
INSECTICIDES, CARBAMATE: 1329  
INSECTICIDES, ORGANOCHLORINE: 2242  
INSECTICIDES, ORGANOPHOSPHATE: 1329  
INSECTIVORA: 3170, 3358



# SUBJECT INDEX

INSECTS: 960, 2017, 3559  
 INSEMINATION, ARTIFICIAL: 205, 1278, 3288, 3665  
 INSEMINATION, ARTIFICIAL, HETEROLOGOUS: 3288  
 INSULIN: 12, 42, 62, 228, 263, 383, 405, 413, 441, 521, 594, 616-617, 622, 642, 689, 704, 711, 770, 913, 971, 975, 984, 1019, 1089, 1154, 1167, 1201, 1237, 1242, 1244, 1268, 1275, 1285, 1356, 1398, 1402, 1405, 1459, 1531, 1587, 1621, 1656, 1673, 1831, 1847, 1857, 1891, 2024, 2114, 2121, 2267, 2287-2288, 2313, 2422, 2501, 2544, 2557, 2615, 2776, 2781, 2820, 2899, 2903, 2927, 2938, 3047, 3061, 3083, 3254, 3333, 3347, 3377, 3439, 3517-3518, 3548, 3592, 3637, 3662, 3693, 3722, 3761, 3811, 3836, 3892, 4063-4065, 4130, 4235, 4250, 4299, 4344, 4428, 4517, 4522  
 INSULIN ANTAGONISTS: 1656  
 INTELLIGENCE: 85, 1284, 2496, 2778, 4322  
 INTELLIGENCE TESTS: 1411  
 INTENSIVE CARE UNITS: 792  
 INTERCELLULAR JUNCTIONS: 115, 160, 472, 962, 2074, 2193, 2303, 2705, 2944, 3080, 3387, 3714, 3938, 3964  
 INTERCOSTAL MUSCLES: 942, 3112  
 INTERFERON: 340, 377, 602, 1257, 1479, 1772, 2007, 2447, 3022  
 INTERNEURONS: 1568, 1742, 2887  
 INTERPERSONAL RELATIONS: 470  
 INTERPHASE: 715  
 INTERRENAL GLAND: 3135, 3270  
 INTERVERTEBRAL DISK: 4284  
 INTERVIEW, PSYCHOLOGICAL: 903  
 INTESTINAL ABSORPTION: 37, 127, 477, 828, 997, 1235-1236, 1477, 1840, 1913, 2025, 2208, 2651, 2732, 2781, 2907, 2978, 3014, 3162, 3478, 3839, 4012, 4083, 4094, 4255, 4289, 4312  
 INTESTINAL DISEASES: 1950, 2732  
 INTESTINAL MUCOSA: 587, 738, 929, 1025, 1228, 1609, 2131, 2651, 2812, 2965, 3162, 3275, 3692, 3997, 4094, 4340  
 INTESTINAL OBSTRUCTION: 447, 3154, 3175  
 INTESTINAL SECRETIONS: 127, 1228, 1530, 1564, 4312  
 INTESTINE, LARGE: 127, 1950  
 INTESTINE, SMALL: 264, 860, 1228, 1666, 2121, 2645, 3154, 3484, 3599, 3612, 3692, 4312, 4316  
 INTESTINES: 74, 133, 507, 669, 928-929, 1015, 1057, 1609, 2651, 2732, 2834, 2978, 3175, 3468, 3612, 3997, 4444  
 INTRACELLULAR MEMBRANES: 40, 840, 2529, 3197, 3593  
 INTRACRANIAL PRESSURE: 1598, 1874, 2648, 4331  
 INTRADERMAL TESTS: 845  
 INTRAOCULAR PRESSURE: 1159, 2370, 3011  
 INTRAUTERINE DEVICES: 493, 1504, 1774, 2163, 2293, 3417, 3606, 4181, 4378  
 INTRAUTERINE DEVICES, COPPER: 603, 1504, 2163, 2293  
 INTRAUTERINE DEVICES, MEDICATED: 543, 2852, 2951  
 INTRINSIC FACTOR: 4376  
 INTUBATION, INTRATRACHEAL: 76  
 INULIN: 1027, 1340, 2097  
 INVERSION (GENETICS): 1130  
 INVERTEBRATES: 2069  
 IODATES: 3875  
 IODIDE PEROXIDASE: 1884, 2943, 4217  
 IODIDES: 424, 454, 562, 822, 1088, 1859, 1884, 2097, 2308, 2693, 2997, 3919  
 IODINE: 67, 341, 577, 647, 772, 778, 1003, 1126, 1301, 1658, 1667, 1900, 1989, 2119, 2172, 2202, 2239, 2250, 2254, 2419, 2565, 2600, 2664, 2800, 2920, 2943, 3148, 3187, 3274, 3480, 3700, 3729, 3743, 3793, 3829, 3832, 3875, 3879, 3901, 4187, 4208, 4217, 4249, 4521  
 IODINE RADIOISOTOPES: 72, 108, 120, 149, 284-285, 371, 406, 502, 508, 518, 527, 562, 630, 681, 807, 822, 988, 1461, 1528, 1633, 2018, 2118-2119, 2168, 2327, 2341, 2393-2394, 2418, 2431, 2492, 2584, 2819, 2879, 2996, 3046, 3302, 3351, 3418, 3728, 3743, 3771, 3837, 3894, 3925, 4228, 4237, 4351  
 IODIPAMIDE: 1003, 1667  
 IODOACETAMIDE: 358, 4194  
 IODOACETATES: 358, 2097, 3637, 4259  
 IODOBENZENES: 284  
 19-iodocholesterol: 284, 508

IODOHIPPURIC ACID: 3320, 3856  
 IODOPHORS: 772  
 IODOPROTEINS: 2394, 3729, 3771  
 IODOTYROSINE: 1884, 3771  
 ION CHANNELS: 949, 962, 1727, 2975, 3300, 3411, 3561, 3630, 4040, 4421  
 ION EXCHANGE: 3476, 4083  
 ION EXCHANGE RESINS: 3822  
 IONOPHORES: 445, 1910, 2449, 3317, 3411, 3593, 3636, 4040  
 IONS: 1915, 2762, 3753, 3971  
 IONTOPHORESIS: 96, 551, 1311, 1920, 2212, 2556, 3731, 3759, 4369  
 IOPANOIC ACID: 1052  
 IOTHALAMIC ACID: 1126, 1667  
 IPRONIAZID: 2333, 3667  
 IPROVERATRIL: 338, 2402, 3411  
 IRIDOCYCLITIS: 665, 3128  
 IRIS: 86, 1613, 2427, 2930, 3987  
 IRITIS: 3077  
 IRON: 91, 291, 531, 828, 1431, 1610, 1635, 1728, 2025, 2262, 2389, 2399, 3383, 3879, 3949, 4429  
 IRRIGATION: 3710  
 ISCHEMIA: 1823, 1962, 3838  
 ISETHIONIC ACID: 3208  
 ISLANDS OF LANGERHANS: 761, 786, 1244, 1531, 1831, 1902, 2022, 2288, 2557, 2609, 3114, 3146, 3254, 3637, 3924  
 ISLET CELL TUMOR: 344, 886, 1154  
 ISOANTIBODIES: 2546  
 ISOCITRATE DEHYDROGENASE: 1813  
 ISOELECTRIC FOCUSING: 1520, 2624, 3031, 3369, 4340, 4392  
 ISOELECTRIC POINT: 913  
 ISOENZYMES: 180, 880, 1009, 1230, 1666, 2474, 2561, 3134, 3335, 3403, 3484, 4366  
 ISOFLUOROPHATE: 2388  
 ISOLEUCINE: 439, 4209  
 ISOMERASES: 3309  
 ISOMERISM: 1203, 1722, 1824, 3315, 3844  
 ISONIAZID: 124, 367, 370, 1111, 2117, 2190, 3440  
 ISONICOTINIC ACIDS: 2211  
 ISOPENTENYLADENOSINE: 785  
 N-ISOPROPYLATROPINE: 2386  
 ISOPROTERENOL: 99, 165, 179, 232, 338, 361, 373, 561, 646, 871, 1087, 1371, 1470, 1502, 1583, 1599, 1621, 1927, 2135, 2219, 2353, 2402, 2429, 2489, 2539, 2725, 2987, 3063, 3069, 3096, 3338, 3371, 3668, 4009, 4063, 4065, 4084, 4256  
 ISOQUINOLINES: 2954, 3511  
 ISOSORBIDE DINITRATE: 2459  
 ISOTHIURONIUM: 618  
 ISOTOPE LABELING: 187, 453, 944, 988, 1067, 1892, 2118, 2394, 2988, 3844, 3925  
 ISOTOPES: 1018

## J

JAUNDICE: 574, 1003, 3041, 3289  
 JAUNDICE, CHRONIC IDIOPATHIC: 3041  
 JAUNDICE, NEONATAL: 2706, 3734, 3750  
 JAW: 747  
 JEJUNUM: 264, 1530, 1564, 3162, 3164  
 JOINT DISEASES: 597, 948, 3443  
 JOINT PROSTHESIS: 3015, 3240  
 JOINTS: 536, 546, 597, 1726  
 JURISPRUDENCE: 4038  
 JUVENILE HORMONES: 960  
 JUXTAGLOMERULAR APPARATUS: 2062, 2159, 2977

## K

KAINIC ACID: 367, 370, 1487, 3234, 3602  
 KALLIKREIN: 764, 1407, 2992, 3615, 3863, 4119, 4511  
 KALLIKREIN-TRYPSIN INACTIVATOR: 4119  
 KANGAROO RATS: 1215  
 KANGAROOS: 1243  
 KAOLIN: 1530  
 KARYOMETRY: 3312  
 KARYOTYPING: 663, 1151, 1175, 1363, 1476, 1548, 1728, 1809, 2221, 2302, 2437, 2641, 2646, 2780, 2923, 2961, 3117, 3341, 3675, 3825, 3967, 4168, 4218, 4368, 4513  
 KELOID: 3459, 4438  
 KERATAN SULFATE: 3946

KERATIN: 1264, 2199, 3341-3342  
 KERATITIS, DENDRITIC: 2007, 3077, 3128, 4264  
 KERATOCONUS: 2792  
 KERATOSIS PALMARIS ET PLANTARIS: 297  
 KETAMINE: 1371, 1980, 2265, 3731  
 KETO ACIDS: 560, 4251  
 KETOACID-LYASES: 3293  
 KETOGLUTARIC ACIDS: 98  
 KETONE BODIES: 3548  
 KETOSIS, DIABETIC: 2114  
 KETOSTEROIDS: 151-152, 2066, 2352, 2703, 4431  
 17-KETOSTEROIDS: 1030, 1377, 1386, 1738, 2719, 3739, 4158  
 KIDNEY: 28, 48, 89, 130, 133, 169, 195, 201-202, 247, 270, 304, 333, 410, 473, 495, 503, 539, 558, 573, 582, 639, 647, 669, 672, 713, 764, 796, 806, 860, 868, 887, 905, 913, 928, 933, 945, 958, 970, 1013-1014, 1027, 1041, 1057, 1066, 1114, 1156, 1158, 1242, 1261, 1283, 1290, 1304, 1336, 1342, 1373, 1400, 1404, 1515, 1523, 1609, 1634, 1676, 1705, 1707, 1722, 1783, 1823, 1856, 1962, 1967, 1981, 2072, 2080, 2130, 2139-2140, 2148, 2159, 2165, 2237, 2291, 2334, 2379, 2424, 2429, 2446, 2467, 2495, 2498, 2509-2510, 2520, 2563, 2569, 2577, 2667, 2710, 2732, 2740, 2748, 2827, 2834, 2837, 2867, 2888, 2923, 2976, 2990, 2992, 3048, 3052, 3083, 3088, 3116, 3125, 3138, 3159, 3186, 3216, 3315, 3320, 3386, 3443, 3468, 3497, 3502, 3504, 3535, 3558, 3747-3748, 3753, 3794, 3804, 3831, 3838, 3863, 3872, 3885, 3896, 3991, 4022, 4048, 4080, 4088, 4156, 4213, 4235, 4267, 4314, 4379, 4408, 4415, 4435, 4447, 4464, 4471, 4502  
 KIDNEY CALCULI: 568, 1380, 1967, 2858, 3478, 3834  
 KIDNEY CONCENTRATING ABILITY: 927, 2861  
 KIDNEY CORTEX: 1230, 1283, 2070, 2230, 2606, 2853, 2867, 3412, 3479, 4278  
 KIDNEY, CYSTIC: 1360  
 KIDNEY DISEASES: 495, 927, 1523, 1749, 1967, 1979, 2228, 2334, 2861, 3183, 4245, 4385, 4445, 4452  
 KIDNEY FAILURE, ACUTE: 48, 1707, 2436, 2626, 2710, 2977, 3185  
 KIDNEY FAILURE, CHRONIC: 212, 269, 383, 529, 531, 713, 1180, 1242, 1290, 1594, 1609, 1688, 1932, 2143, 2201, 2626, 2710, 3013-3014, 3184, 3225, 3351, 3558, 4028, 4180, 4251, 4348, 4443  
 KIDNEY FUNCTION TESTS: 713, 905, 927  
 KIDNEY GLOMERULUS: 1922, 2112, 2520, 3202  
 KIDNEY MEDULLA: 420, 646, 1013, 1041, 1298, 2291, 2827, 2867, 3915, 4240, 4457  
 KIDNEY NEOPLASMS: 81, 86, 92, 549, 639, 769, 1230, 1360, 1542, 1701, 1865, 1994, 2062, 2417, 2597, 2606, 3564, 3747, 4355, 4426  
 KIDNEY PELVIS: 1380  
 KIDNEY, SPONGE: 1529  
 KIDNEY TUBULAR NECROSIS, ACUTE: 48  
 KIDNEY TUBULES: 568, 646, 1373, 1674, 1849, 2008, 2112, 2230, 2490, 2563, 3202, 3479, 3541, 3636, 3656  
 KIDNEY TUBULES, COLLECTING: 3118, 3656  
 KIDNEY TUBULES, DISTAL: 958, 2008, 3636, 3656, 4502  
 KIDNEY TUBULES, PROXIMAL: 958, 2008, 2130, 2782, 3118, 3568, 3636, 4112  
 KILLER CELLS: 4461  
 KINETICS: 12, 25, 29, 79, 84, 126, 132, 135, 140-141, 148, 151, 175, 188, 196, 301, 375, 377, 389-391, 403, 408, 453, 482, 499, 507, 512, 553, 555, 557, 570, 610, 653, 656, 672, 684, 699-700, 725, 738, 749, 811-812, 831, 861, 876, 908, 968, 980, 987, 1002, 1008, 1010, 1020, 1064, 1093, 1096, 1119, 1144, 1158, 1201, 1219, 1231, 1251, 1259, 1325, 1333, 1399, 1414, 1420, 1447, 1458, 1537, 1577, 1581, 1602, 1627, 1641, 1662, 1668, 1690, 1704, 1736, 1755, 1764, 1839, 1856, 1862, 1931, 1936, 2060, 2065, 2073, 2100, 2109, 2121, 2129, 2189, 2231, 2262, 2273, 2301, 2322, 2325, 2328, 2350, 2448-2449, 2483, 2503, 2539, 2547, 2562, 2593, 2637, 2639, 2682, 2696, 2797, 2833, 2853, 2856, 2876, 2910, 2933, 2972, 3052, 3063, 3076, 3121, 3223, 3234, 3274, 3276, 3306, 3311, 3321, 3326, 3335, 3362, 3368, 3377, 3405, 3439, 3448, 3482, 3488, 3530, 3548, 3572, 3577, 3771,



# SUBJECT INDEX

3807, 3815, 3836, 3845, 3897, 3924, 3928, 3947, 3952, 3978, 4005, 4014, 4022, 4055-4056, 4063-4065, 4072, 4075, 4094, 4096, 4105, 4109, 4112, 4136, 4150, 4194, 4229, 4250, 4289, 4292, 4313, 4356, 4358, 4361, 4367  
KINETOCARDIOGRAPHY: 844, 2721  
KININASE II: 32, 279, 529, 1483, 4210  
KININOGENS: 2992  
KININS: 1407, 1471, 2102, 3863, 4119, 4511  
KLEBSIELLA PNEUMONIAE: 676  
KLINFELTER'S SYNDROME: 533, 1130, 1284, 1324, 2767, 3016, 3037, 3122, 3310, 3525, 4368  
KLIPPEL-TRENAUNAY DISEASE: 2741  
KNEE: 546  
KNEE JOINT: 948, 1868, 2931, 3832, 4242  
KRAUROSIS VULVAE: 551  
KREBS CYCLE: 811  
KVEIM TEST: 2950  
KWASHIORKOR: 1176, 1891  
KYNURENINE: 740

## L

LABOR: 1257, 1342, 4170, 4358, 4469  
LABETALOL: 3504  
LABOR: 236, 820-821, 1403, 1435, 1566, 1577, 1983, 2348, 2450, 2713, 2751, 2759, 3750, 4053  
LABOR COMPLICATIONS: 2213, 2450, 2466, 2706  
LABOR, INDUCED: 10, 192, 250, 550, 1983, 2001, 2348, 3330, 3734, 3750, 4029, 4172, 4309, 4501  
LABOR ONSET: 2348  
LABOR, PREMATURE: 1080, 3334, 3911, 3985  
LABORATORIES: 518  
ACRIMAL APPARATUS: 480, 1469  
ALBUMIN: 1093-1094, 2098, 4212  
ACTATE DEHYDROGENASE: 458, 1218, 1249, 1307, 1704, 3134, 3228, 3502, 3634, 3681  
ACTATE DEHYDROGENASE  
ISOENZYMES: 323, 1621, 3338, 3520  
ACTATES: 98, 1231, 1914, 2038, 2071, 2921, 3479, 3637, 4002, 4189  
ACTATION: 157, 238, 240, 263, 283, 291, 332, 418, 422, 451, 477, 496, 541, 543, 622, 673, 675, 704, 707, 778, 784, 938, 1191, 1212, 1491, 1518, 1585, 1589, 1608, 1643, 1867, 1875, 1914, 2107, 2153, 2289, 2296, 2315, 2343, 2514, 2518, 2533, 2645, 2658, 2786, 2793, 2833, 2864, 2935, 2948, 3030, 3040, 3124, 3222, 3371, 3435, 3438, 3521, 3665, 3790, 3800, 3868, 3884, 3913, 4067, 4315, 4345  
ACTATION DISORDERS: 241, 923, 1000  
ACTOGLUBULINS: 3901  
ACTONES: 661  
ACTOPEROXIDASE: 1859  
ACTOSE: 622  
ACTOSE SYNTHETASE: 4212  
ACTOYL GLUTATHIONE LYASE: 2356  
AMINETOXY: 2569  
AMPREYS: 2287  
ANATOSIDES: 1637  
LANGUAGE DEVELOPMENT: 1284  
ANTHANUM: 40, 115, 1241, 2286, 2429, 2705, 4479  
APAROTOMY: 849  
ARVA: 1017, 2588  
ARYNGEAL DISEASES: 1295, 1469  
ARYNGEAL NEOPLASMS: 351  
ARYNGEAL NERVES: 3167  
ARYNGECTOMY: 511, 2570  
ARYNGISMUS: 1432  
ARYNGITIS: 104  
ARYNX: 1295, 2570  
ASALOCID: 2556, 2794  
ASERS: 1639  
ATERALITY: 891, 954, 1397, 1742, 2894, 3463, 4151  
ATEX PARTICLES: 3173  
EAD: 202, 580, 1933  
EAD POISONING: 580, 3267, 4516  
EARNING: 904  
EARNING DISORDERS: 110, 302  
ECTINS: 434, 2583  
EECHES: 3152  
EG: 208, 1250, 1600, 2741, 2921  
EG LENGTH INEQUALITY: 2846  
EG ULCER: 4488

LEIOMYOMA: 122, 177, 2527  
LENGTH OF STAY: 791, 3864  
LENS, CRYSTALLINE: 1017  
LEPROSTATIC AGENTS: 2362  
LEPROSY: 1979, 2362  
LERGOTRILE MESYLATE: 1953, 2031, 3111  
LESCH-NYHAN SYNDROME: 3732  
LETHAL DOSE 50: 1147, 1502, 1676, 2328  
LEUCINE: 135, 1101, 1319, 1414, 2309, 2666, 3152, 3314, 3852, 4340, 4379  
LEUCOSARCOMA: 2843  
LEUCYL-BETA-NAPHTHYLAMIDASE: 1621  
LEUKEMIA: 277, 802, 834, 886, 894, 1047, 1571, 1593, 1680, 2586, 3289, 3865, 4045, 4355  
LEUKEMIA, EXPERIMENTAL: 1181, 1341, 1735-1736, 2447, 2979, 3366, 3566, 4358  
LEUKEMIA L1210: 618, 4142  
LEUKEMIA, LYMPHOBLASTIC: 11, 802, 1200, 1381, 1415, 2408, 2979, 3720  
LEUKEMIA, LYMPHOCYTIC: 802, 973, 3456, 4451  
LEUKEMIA, MONOBLASTIC: 4422  
LEUKEMIA, MYELOBLASTIC: 277, 1249, 1793, 2617, 4077, 4422, 4513  
LEUKEMIA, MYELOCYTIC: 176, 277, 1489, 1734-1735, 2021, 2090, 2447, 3857, 3872, 4218, 4513  
LEUKEMIA, PLASMACYTIC: 4370, 4451  
LEUKOCYTE COUNT: 30, 242, 588, 973, 1793, 2408, 2583, 3068, 3150, 3626  
LEUKOCYTE CULTURE TEST, MIXED: 25, 386, 1163, 3742  
LEUKOCYTES: 30, 308, 340, 602, 715, 1672, 1748, 1974, 2843, 3055, 3150, 3160, 3686, 3765, 4228  
LEUKOCYTOSIS: 4451  
LEUKOPENIA: 2391, 2648  
LEUKOPLAKIA: 551  
LEUKOVIRUSES: 377, 786, 1191  
LEVALLORPHAN: 2851  
LEVAMISOLE: 3423  
LEVODOPA: 866, 923, 1314, 1545, 1569, 1761, 1959, 2190, 2333, 2627, 2680, 3586  
LEVORPHANOL: 934  
LEYDIG CELL TUMOR: 140-141, 599, 2817, 3638  
LEYDIG CELLS: 114, 856, 1737, 2314, 2392, 3102, 3191, 3471, 3638, 4151, 4291  
LH: 15, 38, 95, 117, 122, 129, 147, 246, 256, 281, 293, 382, 395, 421, 450, 479, 526, 557, 612, 621, 629, 670, 727, 731, 733, 762, 788, 799, 817, 854, 856-858, 915-916, 918, 923, 964, 988, 991, 1045, 1056, 1159, 1164-1166, 1168, 1205, 1220-1221, 1224, 1270, 1288, 1348, 1417, 1436, 1478, 1488, 1603, 1648, 1771, 1776, 1861-1862, 1864, 1866, 1895, 1943, 1953-1954, 1978, 2015, 2019, 2044, 2121, 2126-2127, 2153-2154, 2160, 2175, 2210, 2260-2261, 2271, 2275, 2298, 2323, 2371, 2380-2381, 2425, 2457, 2463, 2479, 2497, 2530, 2533, 2536, 2552, 2655, 2680, 2719, 2885, 2922, 2947, 3032-3036, 3076, 3102, 3106, 3140, 3191, 3234, 3265, 3328, 3369, 3374, 3384, 3396, 3471, 3475, 3515, 3550, 3594, 3604, 3638, 3660, 3760, 3790, 3803, 3847, 3876, 3887, 3899, 3925, 3934, 3965, 3976, 3983, 3995, 4026-4027, 4105, 4110, 4121, 4130, 4162, 4164, 4190-4191, 4222, 4282, 4287, 4291, 4323, 4338-4339, 4430, 4462, 4520  
LH-FSH RELEASING HORMONE: 70, 95, 100, 129, 178, 235, 245-246, 293, 337, 417, 421, 436, 479, 526, 552, 621, 670, 788, 799, 808, 918, 923, 964-965, 1045, 1056, 1165-1166, 1193-1194, 1224, 1270, 1288, 1506, 1751-1752, 1771, 1785, 1943, 1947, 1953-1954, 1959, 1963, 2019, 2044, 2154, 2193, 2210, 2253, 2275, 2349, 2448, 2680, 2713, 2719, 2849, 2885, 2947, 3033-3036, 3146, 3365, 3374, 3396, 3427, 3555, 3604, 3801, 3803, 3886, 3995, 4018, 4026, 4129-4130, 4143, 4191, 4303, 4323, 4520  
LIDOCAINE: 1361, 2187, 3277, 3423, 3647, 3948, 4410  
LIFE STYLE: 1286, 2779, 2798  
LIGAMENTS: 2936  
LIGANDS: 29, 151-152, 1018, 2006, 2152, 3482, 3908  
LIGASES: 1201, 1788  
LIGATION: 1240, 1530, 2188  
LIGHT: 20, 139, 196, 260, 385, 424, 592, 833, 956, 1197, 1221, 1254, 1327, 1591, 1649, 1712, 1820, 2012, 2017, 2043, 2282, 2733, 2849, 3955, 4101,

4263, 4336  
LIMBIC SYSTEM: 33-34, 540, 866, 939, 990, 1535, 1597, 1741, 2061, 2689, 3284, 3716, 4019, 4124, 4304, 4439  
LINCOMYCIN: 1006, 1530  
LINKAGE (GENETICS): 1299, 2356, 4223  
LINOLEIC ACIDS: 291, 4033  
LIP: 1582, 2540, 2824  
LIP NEOPLASMS: 3820  
LIPASE: 291  
LIPID MOBILIZATION: 206, 2257, 4448  
LIPIDS: 46, 291, 654-655, 707, 827, 859, 980, 1190, 1242, 1356, 1459, 1477, 1518, 1587, 1589, 1655, 1914, 2080, 2262, 2314, 2739, 2776, 2935, 3060, 3107, 3125, 3197, 3594, 3655, 4127, 4216, 4459  
LIPOMA: 2667, 3271, 3564  
LIPOMATOSIS: 286  
LIPOPOLYSACCHARIDES: 386, 1134, 3060  
LIPOPROTEIN LIPASE: 1398, 2422, 3141, 3282  
LIPOPROTEINS: 222, 521, 739, 1118, 1326, 1398, 1518, 2309, 2422, 2568, 3056, 4324  
LIPOPROTEINS, HDL: 1356, 1528, 2422  
LIPOPROTEINS, LDL: 975, 1528, 2422, 3868  
LIPOPROTEINS, VLDL: 975, 1326, 2422  
LIPOSOMES: 1075, 1768, 2322, 2957, 3570, 3640, 4154  
LIPOTROPIN: 708, 959, 1446, 1505, 2398, 3921, 4273  
LISURIDE: 2036  
LITHIUM: 98, 325, 562, 623, 1014, 1344, 1798, 2308, 2711, 2839-2840, 2996, 3194, 3236, 3304, 3512, 3741, 3783  
LITTER SIZE: 3619, 3790  
LIVER: 16, 27-28, 41, 44, 47, 80, 82, 102, 162, 165, 226, 267, 304, 323, 363, 408, 410, 462, 482, 539, 553, 563, 570, 593, 608, 618, 654-655, 657, 684, 686-687, 694, 721, 796, 806, 811, 859, 880, 889, 946, 976, 980, 987, 1002, 1052, 1075, 1118, 1137, 1152, 1201, 1231, 1282, 1300, 1307, 1326, 1334, 1379, 1402, 1405, 1422, 1440, 1444, 1457, 1514, 1561, 1569, 1575, 1587, 1635, 1705, 1722, 1740, 1760, 1788, 1840, 1869, 1876, 1936, 1979, 2020, 2039, 2066, 2071, 2085, 2115, 2132, 2164, 2231, 2272, 2287, 2309, 2334, 2353, 2378, 2423, 2561, 2568, 2577, 2589, 2599, 2645, 2681, 2732-2733, 2739, 2756, 2834, 2837, 2845, 2864, 2906, 2933, 3052, 3069, 3093, 3111, 3159, 3172, 3269, 3274, 3385, 3391, 3468, 3483-3484, 3499, 3502, 3533, 3571, 3577, 3627, 3640, 3644, 3667, 3676, 3684, 3708-3709, 3715, 3743, 3747, 3756, 3777-3778, 3784, 3791, 3818, 3826, 3880, 3885, 3904, 3906, 3910, 3950, 4044, 4128, 4136, 4152, 4176, 4203, 4206, 4217, 4219, 4280, 4324, 4349, 4366, 4394-4395, 4434, 4436, 4470, 4473, 4483, 4517  
LIVER ABSCESS: 1015, 2462  
LIVER ABSCESS, AMEBIC: 3912  
LIVER CIRCULATION: 1193, 3348  
LIVER CIRRHOSIS: 321, 363, 542, 588, 908, 2228, 2403, 2462, 3385, 3575  
LIVER CIRRHOSIS, ALCOHOLIC: 908, 1840, 2216, 3557, 4377  
LIVER CIRRHOSIS, BILIARY: 2995  
LIVER DISEASES: 71, 108, 363, 542, 1360, 1541, 1969, 2117, 2462, 2599, 2732, 2845, 3093, 3267, 3385, 3484, 3492, 3850, 4117  
LIVER DISEASES, ALCOHOLIC: 363  
LIVER DISEASES, PARASITIC: 1133  
LIVER EXTRACTS: 4376  
LIVER FUNCTION TESTS: 911, 1133, 3093, 3149, 3575, 4037  
LIVER GLYCOGEN: 135, 1326, 1405, 1834, 3069, 3640, 3676, 3715, 3950, 4428  
LIVER NEOPLASMS: 162, 714, 1162, 1275, 1360, 1392, 1406, 1457, 1606, 1666, 1685, 1698, 1740, 2606, 2769, 2939, 3099, 3385, 3417, 3658, 3786, 4032, 4044, 4117, 4181  
LIVER REGENERATION: 71, 226, 461, 1936, 2287, 2403, 2756, 3850  
LIZARDS: 631, 1012, 3104, 4157  
LOCOMOTION: 318, 576, 3954-3955  
LOCUS COERULEUS: 850, 1742, 2396, 3006, 3212, 3390  
LOEFFLER'S SYNDROME: 1383, 3440  
LOGIC: 3430  
LONG-ACTING THYROID STIMULATOR: 4226  
LONG TERM CARE: 470, 791, 1005, 2823, 2839, 4207, 4330  
LONGEVITY: 4245



# SUBJECT INDEX

- LONGITUDINAL STUDIES: 302, 1351, 2158, 2778  
 LOOP OF HENLE: 958, 3118, 3656  
 LOXAPINE: 1490  
 LUMBOSACRAL REGION: 1677  
 LUNG: 41, 58, 207, 237, 265, 312, 561, 787, 860, 972, 1099-1100, 1191, 1343, 1485, 1495, 1554, 1821, 1933-1934, 2049, 2072, 2225, 2277, 2464, 2503, 2561, 2669, 3015, 3052, 3097, 3116, 3223, 3440, 3444, 3969, 4097, 4260, 4262, 4341, 4346, 4364  
 LUNG COMPLIANCE: 237  
 LUNG DISEASES: 58, 108, 1553, 2950, 3290, 3877, 3943  
 LUNG DISEASES, OBSTRUCTIVE: 942, 1030, 1413  
 LUNG NEOPLASMS: 176, 272, 755, 782, 1078, 1108, 1256, 1258, 1573, 1592, 1666, 1698, 1740, 1826, 1930, 2631, 2939, 3318, 3349, 3481, 3532, 3682, 3691, 3786, 3865, 4047, 4341, 4381  
 LUNG VOLUME MEASUREMENTS: 76, 942, 4097  
 LUPUS ERYTHEMATOSUS, DISCOID: 2360  
 LUPUS ERYTHEMATOSUS, SYSTEMIC: 999, 1286, 1639, 1803, 1940, 2300, 2360, 3109, 3406, 3605, 3962, 4021, 4025, 4045, 4247, 4348, 4382  
 LUTEIN CELLS: 3084-3085  
 LUTETIUM: 4292  
 LYASES: 482, 1778  
 LYMAEAE: 3131  
 LYMPH NODE EXCISION: 3905, 4233  
 LYMPH NODES: 1039, 1150, 1747, 1796, 1979, 2699, 3055, 3579, 3623, 4260, 4433  
 LYMPHADENITIS: 4348  
 LYMPHANGIOMA: 3071  
 LYMPHATIC DISEASES: 1015, 2147, 2958  
 LYMPHATIC METASTASIS: 578, 1097, 1258, 1454, 2048, 2166, 2596, 2659, 3345, 3457, 4003, 4215, 4510  
 LYMPHATIC SYSTEM: 3017, 3155  
 LYMPHOCYTE TRANSFORMATION: 386, 1087, 1141, 1163, 1423, 1462, 1541, 1685, 1833, 2004, 2418, 2550, 2718, 3179, 3295, 3532, 3742, 3774, 4298  
 LYMPHOCYTES: 242, 339, 478, 663, 802, 943, 973, 977, 1021, 1047, 1200, 1668, 2004, 2302, 2408, 2546, 2583, 2794, 2939, 3075, 3080, 3113, 3179, 3295, 3579, 3885, 3980, 4227, 4237, 4360, 4461  
 B-LYMPHOCYTES: 437, 973, 1021, 1134, 1796, 1833, 2004, 2200, 2300, 3041, 3073  
 T-LYMPHOCYTES: 25, 84, 434, 437, 573, 973, 1039, 1163, 1216, 1357, 1507, 1796, 1828, 1833, 1981, 2200, 2300, 2408, 2594, 3041, 3073, 3626, 3742, 3774, 4247, 4298  
 LYMPHOCYTOSIS: 3720  
 LYMPHOGRAPHY: 1747, 2166, 3155, 4003  
 LYMPHOID TISSUE: 1796, 1876, 3626  
 LYMPHOKINES: 308, 4227  
 LYMPHOMA: 176, 277, 466, 524, 749, 802, 834, 886, 1256, 1448, 2817, 3384, 3816, 3865, 4355, 4381  
 LYMPHOSARCOMA: 2937, 3055  
 LYMPHOTOXINS: 4227  
 LYNESTRENOL: 270, 1790  
 LYPRESSIN: 636, 766, 919, 1035, 1042, 1339, 1361, 3045, 3047, 3348, 3405  
 LYSERGIC ACID DIETHYLAMIDE: 34, 1292, 1919, 2036, 2236, 2545, 4076  
 LYSINE: 1055, 3641, 3800, 4469  
 LYSOPHOSPHATIDYLCHOLINES: 1764, 2641  
 LYSOSOMES: 660, 898, 1307, 1326, 1547, 1613, 1736, 2129-2130, 2152, 2674, 3042, 3084-3085, 3353, 3396, 3568, 3655, 4293
- M  
 MACACA: 668, 743, 1072, 1394-1395, 1920, 2098, 3180, 3455, 3770, 3876  
 MACROGLOSSIA: 211  
 MACROMOLECULAR SYSTEMS: 132, 557, 756, 811, 865, 1662, 1717, 2380, 3217, 3343, 3375, 3570, 4096, 4288, 4367  
 MACROPHAGES: 401, 485, 601, 1222, 1538, 1565, 1711, 1735, 1772, 2791, 3080, 3150, 3370, 4293, 4455  
 MADUROMYCOSIS: 1510  
 MAGNESIUM: 37, 40, 155, 249, 254, 291, 304, 361, 401, 532, 608-609, 721, 840, 938, 1038, 1230, 1283, 1422, 1623, 1727, 1757, 1769, 2025, 2109, 2224, 2230, 2325, 2452, 2471, 2539, 2637, 2858, 3168, 3198, 3257, 3279, 3292, 3388, 3561, 3577, 3650, 3725, 3813, 3924, 4001-4002, 4040, 4049, 4063-4065, 4075, 4094, 4109, 4255, 4406, 4409, 4432  
 MAGNESIUM DEFICIENCY: 37  
 MAGNETICS: 1819  
 MAJOR HISTOCOMPATIBILITY COMPLEX : 1541, 3406, 4298  
 MALABSORPTION SYNDROMES: 2732, 3260, 3382, 3659  
 MALATE DEHYDROGENASE: 1201  
 MALEIC ANHYDRIDES: 2957  
 MALEIMIDES: 4194  
 MALIGNANT CARCINOID SYNDROME: 2366  
 MALIGNANT HYPERTHERMIA: 940, 1068, 1778, 2921  
 MALONATES: 3479  
 MALONDIALDEHYDE: 348, 2262, 2994  
 MAMMAE: 161, 263, 550, 622, 784, 1040, 1089, 1191, 1491, 1914, 2098, 2125, 2289, 2501, 2525, 2793, 2833, 2864, 3030, 3124, 3222, 3282, 3347, 3361, 3521, 4212  
 MAMMALS: 71, 2017, 2131, 2495, 2682, 2895, 3075, 3170, 3358  
 MAMMARY CANCER VIRUS: 1375, 2501, 2786, 3124, 3362, 4014  
 MAMMARY NEOPLASMS, EXPERIMENTAL: 22, 415, 701-702, 950, 1034, 1191, 1319, 1375, 1673, 1984, 2087, 2501, 2643, 2698, 2776, 2786, 2893, 3610, 3747, 3791, 4014, 4184, 4300, 4353, 4375, 4411  
 MAMMILLARY BODIES: 951, 2026, 2549  
 MAMMOGRAPHY: 54, 3139  
 MANDIBULAR CONDYLE: 234  
 MANDIBULAR INJURIES: 234  
 MANDIBULAR NEOPLASMS: 3532, 4011  
 MANDIBULOFACIAL DYSOSTOSIS: 2537  
 MANGANESE: 102, 361, 1514, 1635, 2025, 2883, 2997, 3279, 3653, 4063-4065, 4075  
 MANNITOL: 927, 1418, 1621, 1874, 2414, 2608, 3712, 4331  
 MANNULOSE: 2811  
 MANOMETRY: 1598  
 MAPROTILINE: 3251  
 MARINE TOXINS: 2065  
 MARMOSETS: 1103, 2404-2405  
 MARRIAGE: 4322  
 MARSUPIALIA: 3358  
 MASS FRAGMENTOGRAPHY: 388, 1892  
 MASS SCREENING: 54, 298, 842, 1091, 1204, 1703, 2018, 2290, 2758, 3376, 4108, 4518  
 MAST CELLS: 1652, 1802, 1820, 2389, 3074, 3372  
 MASTECTOMY: 3232  
 MASTITIS, BOVINE: 772, 3222  
 MASTURBATION: 21  
 MATERNAL AGE: 1945, 2296, 2706, 2726, 2730  
 MATERNAL BEHAVIOR: 1212, 3701  
 MATERNAL-FETAL EXCHANGE: 115, 138, 280, 1076, 1577, 1614, 1970, 2040, 2294, 2518, 2693, 2705, 3228, 3438, 3645-3646, 4032, 4041, 4329, 4338, 4467  
 MATHEMATICS: 628, 2591, 3346, 4055-4056, 4096, 4329, 4467  
 MAXILLA: 289  
 MAXILLARY SINUS: 4426  
 MAXIMAL MIDEXPIRATORY FLOW RATE : 2386  
 MAXIMUM PERMISSIBLE EXPOSURE LEVEL: 208, 3390  
 MAZINDOL: 228, 1279, 3927  
 MEASLES VACCINE: 2028  
 MEAT: 1260, 4374  
 MECAMYLAMINE: 1289  
 MECHANORECEPTORS: 804, 2072  
 MECHLORETHAMINE: 780, 955, 1638, 3410, 4433  
 MECLOFENAMIC ACID: 73, 1298, 3838, 4464  
 MECONIUM: 1435  
 MEDIAN EMINENCE: 70, 245, 411, 436, 625, 1424, 1498, 1998, 2193, 2243, 2381, 2448, 2788, 3089, 3146, 3387, 3487, 3500, 3675, 4236  
 MEDIAN FOREBRAIN BUNDLE: 209, 872, 1368, 2026, 2998, 3212, 4015  
 MEDIASTINAL DISEASES: 3869  
 MEDIASTINAL NEOPLASMS: 286, 966, 3261, 3664, 4011
- MEDICAL HISTORY TAKING: 1611, 3895  
 MEDROGESTONE: 2211  
 MEDROXYPROGESTERONE: 400, 637, 1542, 1994, 3451, 3536  
 MEDULLA OBLONGATA: 540, 883, 1313, 1568, 1719, 1742, 2396, 2410, 2897, 4103, 432  
 MEFENAMIC ACID: 1578  
 MEGLUMINE DIATRIZOATE: 1667  
 MEGLUMINE IOTHALAMATE: 1072, 3832  
 MEIOSIS: 198, 259, 915, 1004, 1115, 2377, 2437, 2795  
 MELANINS: 3874  
 MELANOCYTES: 1745, 2373  
 MELANOMA: 567, 677, 2443, 2939, 3874, 4218, 4332, 4438  
 MELANOPHORES: 3044  
 MELATONIN: 224, 385, 754, 857, 859, 932, 1081, 1640, 1712, 1916, 1984, 2265, 2719, 2751, 2955, 3941, 4491  
 MELITTEN: 3999  
 MELPHALAN: 752, 896, 1594, 1808, 2247, 2564, 3230, 3969, 4370, 4482  
 MEMBRANE FLUIDITY: 1285, 4155, 4460  
 MEMBRANE LIPIDS: 1096, 1781, 1872, 3644, 4033  
 MEMBRANE POTENTIALS: 40, 196, 231, 349, 442, 512, 576, 662, 949, 1479, 1727, 2035, 2152, 2282, 2303, 2312, 2557, 2869, 2928, 3132, 3401, 3634, 3725, 4112  
 MEMBRANE PROTEINS: 41, 1503, 1623, 1966, 2917, 2957, 3561, 3591, 3653, 3692, 4040, 4209, 4460  
 MEMBRANES: 361, 461, 610, 1503, 2039, 2335, 2682, 2917, 2991, 3301, 3672-3673, 4040, 4194, 4209, 4313, 4434  
 MEMBRANES, ARTIFICIAL: 174, 424, 1768, 2957, 3181, 4155, 4458-4459  
 MEMORY: 904, 1182, 1396-1397, 3882, 4149  
 MEMORY DISORDERS: 1397, 3882  
 MEMORY, SHORT-TERM: 85  
 MENARCHE: 2658, 4363  
 MENINGEAL NEOPLASMS: 1469, 2686, 3898  
 MENINGIOMA: 1448, 1469, 1544, 2686  
 MENINGITIS: 1058, 1941, 3267, 3589, 4420  
 MENINGITIS, MENINGOCOCCAL: 4231  
 MENOPAUSE: 18, 239, 623, 803, 1308, 1382, 1436, 1756, 1832, 1885, 1911, 2014, 2079, 2369, 2438, 2720, 2923, 2936, 2974, 2981, 3139, 3172, 3206, 3214, 3232, 3246, 3472, 3861, 4121, 4299  
 MENOPAUSE, PREMATRE: 3861  
 MENORRHAGIA: 637  
 MENOTROPINS: 56, 117, 1752, 2249, 2885, 2947  
 MENSTRUATION: 15, 21, 109, 137, 603, 707, 745, 788, 993, 1159, 1164, 1504, 1625, 1866, 1882, 1943, 1983, 2014, 2163, 2175, 2215, 2246, 2260, 2371, 2463, 2533, 2576, 2658, 2714, 2873, 2947, 2951, 3021, 3200, 3206, 3229, 3298, 3446, 3455, 3472, 3606, 3770, 3814, 3945, 3958, 4164, 4241, 4322  
 MENSTRUATION DISORDERS: 60, 192, 329, 400, 1751, 3393  
 MENSTRUATION, FOLLICULAR PHASE: 621, 1205, 1866, 2438, 2463, 3455  
 MENSTRUATION, LUTEAL PHASE: 603, 621, 1205, 1943, 2175, 2438, 2463, 3455, 3810  
 MENSTRUATION, RETROGRADE: 750  
 MENTAL DISORDERS: 302, 969, 1130, 1284, 1416, 2270, 2516, 3470, 3700, 3741, 4193, 4322  
 MENTAL PROCESSES: 3814  
 MENTAL RETARDATION: 86, 143, 842, 1812, 2767, 3825, 3894, 4168  
 MERCAPTOETHANOL: 403  
 MERCAPTOETHYLAMINES: 1412  
 MERCAPTOPURINE: 181, 1381, 2021, 2446, 2979, 3626  
 MERCURYPHYLLINE: 3712  
 MERCURY: 3901  
 MERSALYL: 392, 4259  
 MESENCEPHALON: 760, 1135, 1189, 1313, 1741, 2082, 2171, 2396-2397, 2655, 2773, 2894, 3207, 3215, 3284, 3516, 3772, 4456  
 MESENCHYMOMA: 455  
 MESENTERIC ARTERIES: 669, 2580, 3511  
 MESENTERIC LYMPHADENITIS: 3267  
 MESENTERY: 3499  
 MESOCRICETUS: 249, 385, 402, 670, 675, 786, 860, 897, 1197, 1672, 2392, 2566, 3460, 3797, 3805, 3879, 3887, 4263, 4280, 4310  
 MESODERM: 3065, 3074  
 MESONEPHROMA: 1208, 1227, 1685



# SUBJECT INDEX

- MESOTHELIOMA: 2817  
MESTEROLONE: 3965  
MESTRANOL: 2164, 2177, 2535, 2589, 3000, 4300  
METABOLIC CLEARANCE RATE: 765, 909, 1340, 1776, 2079, 2438, 2989, 3367, 3517, 3783  
METABOLIC DISEASES: 645, 1406  
METABOLISM: 181, 2532, 3382  
METABOLISM, INBORN ERRORS: 53, 1088, 2726, 3117  
METACARPOPHALANGEAL JOINT: 597  
METACARPUS: 2974  
METALLOPROTEINS: 486  
METALS: 53, 449, 4138  
METALS, RARE EARTH: 2335  
METAMORPHOSIS, BIOLOGICAL: 1017, 4152  
METANEPHRINE: 1030  
METAPHASE: 1679, 3117  
METAPLASIA: 2316  
METATARSUS: 729  
METESTRUS: 157, 320, 1224, 2200, 3066  
METHACHOLINE COMPOUNDS: 561, 1409  
METHACYCLINE: 2821  
METHADONE: 2518, 2655, 3258, 4315  
METHANDROSTENOLONE: 3899  
METHANE: 1875  
METHENOLONE: 1695  
METHERGOLINE: 736, 746, 814, 1170  
METHICILLIN: 1304  
METHIMAZOLE: 253, 1700, 2327, 2362, 2721, 2915, 3539-3540, 4356  
METHIONINE: 1379, 1669, 2132, 3368  
METHIONINE ADENOSYLTRANSFERASE: 1497, 3904  
METHODS: 10, 54, 154, 224, 292, 423-424, 462, 512, 553, 567, 622, 652, 712, 726, 849, 905, 1010, 1045, 1047, 1156, 1213, 1233, 1240, 1277, 1305, 1536, 1562, 1651, 1694, 1725, 1867, 1911, 1932, 2018, 2058, 2095, 2123, 2172, 2240, 2286, 2388, 2445, 2523, 2727, 2819, 2861, 2865, 2936, 2966, 2971, 2992, 3046, 3066, 3077, 3165, 3336, 3346, 3399, 3518, 3543, 3582, 3652, 3656, 3745, 3824, 3895, 3941, 4020, 4031, 4048, 4205, 4264, 4307, 4331, 4351, 4354, 4374, 4510  
METHOTREXATE: 579, 1415, 1579, 1593, 2295, 2302, 2979, 3626  
METHOXAMINE: 1784  
P-METHOXYAMPHETAMINE: 736, 4085, 4087  
METHOXYHYDROXYPHENYLGLYCOL: 513, 2036, 3617, 4326  
1-METHYL-3-ISOBUTYLXANTHINE: 1228, 1318, 3439, 3488, 3867  
METHYL PARATHION: 1147  
METHYLAMINES: 1910  
METHYLATION: 480, 1379, 2189, 3023, 4473  
METHYLCHOLANTHRENE: 267, 554, 1561, 2984, 3052  
METHYLDIMETHYLAMINOAZOBENZENE: 2606  
METHYLDOPA: 459, 874, 1247, 1645, 2814, 3474  
METHYLDOPAHYDRAZINE: 1545, 1569  
METHYLENE BLUE: 103, 1106  
4-METHYLENEDIOXYAMPHETAMINE: 2602  
METHYLERGONOVINE: 3913  
METHYLGLUCOSIDES: 12  
METHYLMANNOSIDES: 3295  
METHYLMETHACRYLATE: 3560, 3601  
METHYLNITRONITROSOGUANIDINE: 946, 2883  
METHYLNOREPINEPHRINE: 1247, 1645  
METHYLPHENIDATE: 1878-1879, 1959, 2711  
METHYLPREDNISOLONE: 4, 176, 247, 573, 665, 898, 948, 1072, 1141, 1307, 1357, 1389, 1419, 1523, 1530, 1663, 1684, 2042, 2093, 2152, 2259, 2583, 2636, 3011, 3083, 3275, 3295, 3629, 4172, 4471, 4476  
METHYLTHIOURACIL: 773, 1262, 2251, 2912  
METHYLTRANSFERASES: 1282, 2240-2241, 2243, 2511, 3941  
METHYLTYSOSINES: 817, 1281, 1498, 1995, 2082, 2582, 2690, 2959, 4145  
METHYLSERGIDE: 626, 814, 1170, 1289, 2785  
METIAMIDE: 819, 851, 1438  
METOCLOPRAMIDE: 2910, 3235  
METOLAZONE: 244  
METRIZAMIDE: 1126  
METYRAPONE: 553, 917, 984, 1303, 1601, 1733, 2020, 2045, 2089, 2337, 2382, 3522, 3530, 3550, 4224, 4308  
MIANSERIN: 2545  
MICE: 24-25, 74, 84, 140-141, 194, 198, 231, 288-289, 319, 337, 340, 365, 396, 398, 406, 414, 466, 499, 516, 565, 570, 587, 601, 618, 636, 641, 646, 704, 761, 763, 776, 782, 794, 797, 800-801, 804, 824, 826, 854, 857, 882, 889, 904, 919, 977, 1009, 1034-1035, 1040, 1075, 1085, 1089, 1094, 1115, 1121, 1134, 1136, 1163, 1173, 1181, 1196, 1233, 1300, 1342, 1357, 1369-1370, 1375, 1402, 1412, 1421, 1445, 1458-1459, 1466-1467, 1531, 1538, 1582, 1587, 1620, 1628, 1676, 1691, 1715, 1734-1735, 1739, 1759, 1772, 1775, 1796, 1828, 1833, 1853, 1896, 1907, 1939, 1947, 1949, 1955, 1973-1974, 2075, 2108, 2118, 2125, 2130-2131, 2151, 2167, 2200, 2206, 2225, 2245, 2308, 2330, 2334, 2353, 2362, 2368, 2372, 2389, 2430, 2474, 2501, 2507, 2525, 2529, 2545, 2562, 2568, 2594, 2641, 2643, 2645, 2650, 2698, 2708, 2744, 2780, 2786, 2791, 2833, 2851, 2864-2866, 2937, 2939, 2958, 2972, 2985, 2989, 2999, 3001, 3023, 3030, 3074, 3095, 3097, 3105, 3124, 3129, 3151, 3171, 3227-3228, 3249, 3311, 3329, 3353, 3361, 3460, 3572, 3599, 3610, 3623, 3625, 3627, 3640, 3663, 3668, 3682, 3699, 3714, 3717-3718, 3768, 3773-3774, 3777, 3792, 3799, 3806, 3890, 3920, 3932, 3935, 3979-3980, 3998-3999, 4008, 4022-4023, 4075, 4078, 4107, 4142, 4186, 4212, 4224, 4237, 4245, 4250, 4262, 4287, 4300, 4314, 4321, 4326, 4334, 4360, 4380, 4399, 4421, 4426, 4444, 4468-4469, 4483  
MICE, INBRED A: 3773, 4224  
MICE, INBRED BALB C: 25, 1040, 2200, 2362, 2501, 2594, 2791, 2937, 3124, 3228, 3806, 4426  
MICE, INBRED CBA: 25, 337, 1085, 1134, 1796, 1828, 3699, 3774  
MICE, INBRED C3H: 25, 84, 399, 1040, 1163, 1375, 2501, 2698, 2744, 3030, 3124, 3625, 4212, 4300  
MICE, INBRED C57BL: 25, 337, 601, 1163, 1949, 1974, 2225, 3623, 3668, 3699, 3774, 3806, 4224, 4360  
MICE, INBRED DBA: 25, 618  
MICE, INBRED ICR: 761, 1196, 1421, 1467, 1759, 1907  
MICE, INBRED NZB: 3406, 3979  
MICE, INBRED STRAINS: 24, 289, 340, 399, 570, 889, 1436, 1445, 1582, 1676, 1735, 1949, 2167, 2474, 2568, 2698, 2786, 2972, 3129, 3625, 3890, 4107  
MICE, MUTANT STRAINS: 24, 396, 1459, 2529, 3074  
MICE, NUDE: 782, 1034, 1094, 1375, 2791, 2958, 4287, 4300, 4426  
MICE, OBESE: 1459, 3311  
MICELLES: 2454  
MICROCEPHALY: 1492, 2537, 2888, 3567, 3975  
MICROCHEMISTRY: 771, 1622, 1838, 3679, 4243  
MICROCIRCULATION: 206, 1672, 2636  
MICROCOCCAL NUCLEASE: 93, 3373  
MICROELECTRODES: 3132  
MICROFILAMENTS: 812, 1243, 1802, 3042  
MICROINJECTIONS: 3636  
MICROPHTHALMOS: 1468  
MICRORADIOGRAPHY: 4192  
MICROSCOPY: 1115, 2055, 3493  
MICROSCOPY, ELECTRON: 68, 118, 161, 223, 314, 343, 446, 467, 551, 743, 936, 948, 1093, 1154, 1179, 1191, 1196, 1243, 1304, 1326, 1652, 1769, 1944, 1982, 2013, 2278, 2314, 2366, 2413, 2469, 2472, 2674, 2775, 2898, 3080, 3131, 3146, 3152, 3170, 3249, 3658, 3797, 3801-3802, 3917, 3929, 3964, 4212, 4434  
MICROSCOPY, ELECTRON, SCANNING: 336, 743, 1908, 1971, 2013, 2650, 2965, 3829, 3870  
MICROSCOPY, FLUORESCENCE: 70  
MICROSCOPY, PHASE CONTRAST: 2946  
MICROSOMES: 255, 403, 784, 1178, 1618, 2073, 2109, 2374-2375, 2416, 2666, 2777, 2789, 2830, 3197, 3223, 3314, 3331, 3672-3673, 3971, 4102, 4174, 4194  
MICROSOMES, LIVER: 16, 267, 461, 554, 656, 1387, 1561, 1575, 2020, 2089, 2262, 2304, 2337, 2568, 2622, 2972, 2984, 3223, 3256, 3743, 3784, 3807  
MICROSPHERES: 856, 1156, 3751  
MICROSURGERY: 2055, 2515, 3493, 3972  
MICROTUBULES: 812, 1766, 1802, 3042, 3670  
MICROVILLI: 929, 1971, 2070, 2074, 2413, 2853, 3164, 4112  
MICROWAVES: 3095  
MIDDLE AGE: 1, 18, 42, 45, 49, 61, 63, 65, 69, 79, 85, 88, 94, 108, 118, 120, 128, 136, 154, 162, 172, 176, 203, 212, 214, 219-222, 239, 269, 271, 278-279, 285-286, 294-296, 299, 305, 315, 325, 328-330, 350, 352, 354, 366, 372, 416, 429-430, 474-475, 479, 494, 496, 511, 515, 525, 527-529, 531, 536, 542, 549, 558, 560, 571, 574, 584, 588, 615, 629, 640, 642, 649-650, 663, 665, 677, 682, 691, 703, 710-711, 720, 731, 769, 783, 792, 798, 830, 836, 841, 844, 846, 849, 868, 873, 884, 896, 899, 903, 908, 917, 921, 951, 954, 957, 975, 985, 999-1000, 1003, 1019, 1021-1023, 1030-1031, 1043, 1048, 1058, 1078, 1097, 1105, 1107-1108, 1123, 1130, 1133, 1141, 1152, 1160-1161, 1177, 1180, 1199, 1210-1211, 1214-1215, 1229-1230, 1242, 1249-1250, 1252, 1258, 1261, 1273, 1275, 1277, 1297, 1304, 1306, 1308-1309, 1312, 1316, 1332, 1337, 1353-1354, 1356, 1377, 1380-1381, 1398, 1407-1408, 1411, 1419, 1432, 1434, 1442-1443, 1448, 1454, 1456, 1471-1472, 1474, 1483, 1486, 1493, 1496, 1515, 1523, 1539, 1553, 1559-1560, 1567, 1585, 1592-1594, 1605, 1611, 1617, 1646, 1652, 1658, 1660, 1663, 1674-1675, 1678, 1683, 1695, 1698, 1702, 1723, 1732-1733, 1737-1738, 1740, 1743, 1745, 1749-1750, 1756, 1762, 1773, 1777, 1800, 1806-1808, 1810, 1812, 1814-1815, 1817, 1825, 1832, 1837, 1841-1842, 1845, 1857, 1862, 1865, 1873, 1878-1879, 1883, 1885, 1887, 1889, 1911, 1928, 1930-1932, 1937, 1948, 1959, 1962, 1969, 1971, 1981, 1986, 1988, 1992, 1994, 2002, 2014, 2019, 2021, 2029, 2056, 2076-2077, 2079, 2081, 2084, 2101, 2111, 2137, 2140, 2143, 2157-2158, 2160, 2168, 2172, 2185, 2187, 2190, 2196, 2198, 2203, 2212, 2216, 2237, 2251-2252, 2255, 2264, 2284, 2306, 2317, 2341, 2369, 2383, 2386, 2399, 2411-2413, 2417, 2422, 2427, 2436, 2443, 2446, 2457-2458, 2462, 2466, 2470, 2484, 2488-2489, 2515-2516, 2527, 2536, 2544, 2550-2551, 2555, 2559, 2571, 2579, 2584, 2591-2592, 2607, 2615, 2619, 2627, 2633, 2652-2654, 2660-2661, 2686, 2701, 2709, 2718, 2727, 2738, 2749, 2768-2769, 2774, 2781, 2792, 2799, 2801, 2803, 2806, 2815, 2820, 2825, 2828, 2832, 2838, 2840-2841, 2854-2855, 2858, 2861, 2868, 2886, 2891, 2909, 2915, 2932, 2934, 2953, 2963, 2966, 2968, 2981, 2995, 3010, 3038-3039, 3062, 3065, 3080, 3088, 3090, 3115, 3139, 3141-3142, 3145, 3149, 3153, 3157, 3164, 3172, 3185, 3203, 3206, 3209, 3214, 3219, 3225, 3230, 3235, 3245-3246, 3250, 3256, 3261, 3267, 3271, 3287, 3299, 3302, 3313, 3325, 3339, 3345, 3351, 3363, 3384, 3392, 3395, 3402, 3404, 3408, 3415, 3421, 3431, 3444, 3456, 3462, 3464, 3467, 3474, 3478, 3486, 3489, 3497-3498, 3500-3501, 3504-3506, 3508, 3522, 3548, 3550, 3552, 3557, 3565, 3575-3576, 3582, 3584, 3590, 3596-3597, 3629, 3635, 3643, 3664, 3679, 3681, 3688-3689, 3691, 3693-3694, 3698, 3721, 3728, 3737, 3760, 3763-3764, 3766-3767, 3776, 3782, 3786, 3795-3796, 3816, 3824-3825, 3834, 3849, 3851, 3854-3855, 3865, 3869, 3875, 3905, 3923, 3944, 3959-3960, 3962-3963, 3969, 3972, 3977, 3983, 3988-3990, 3996, 4012, 4017, 4025, 4032, 4037, 4052, 4054, 4058-4059, 4077, 4097, 4106, 4114, 4116, 4121, 4132, 4134, 4137, 4139, 4143, 4160, 4167, 4171, 4173-4174, 4178, 4180, 4182, 4185, 4189, 4199, 4205, 4215, 4231, 4246-4247, 4254, 4272, 4278, 4284, 4290, 4325, 4330, 4333, 4335, 4346, 4370, 4384, 4403, 4408, 4417, 4420, 4422, 4433, 4438, 4442, 4451-4452, 4455, 4466, 4482, 4489, 4494, 4496, 4503, 4507, 4523  
MIDWIFERY: 4038  
MIGRAINE: 3109, 3581  
MIGRATION INHIBITORY FACTOR: 401  
MILK: 83, 205, 238, 543-544, 772, 938, 1914, 2289, 2514, 2521, 2669, 2786, 2864, 3040, 3641, 3738, 3901, 3919, 4521  
MILK EJECTION: 240  
MILK, HUMAN: 291, 451, 496, 1643, 2289, 2935, 3738  
MILK PROTEINS: 2514, 2935  
MINERAL WATERS: 1900, 2172  
MINERALOCORTICOIDS: 2737, 3394, 3766, 3944  
MINERALS: 846, 1585, 2025, 2168, 3351, 3843, 4200  
MINK: 912



# SUBJECT INDEX

MINOCYCLINE: 1526  
 MINOXIDIL: 528  
 MITHRAMYCIN: 4512  
 MITOCHONDRIA: 32, 161, 163, 262-263, 387, 392, 497, 517, 609-610, 616, 647, 928, 1196, 1303, 1514, 1608, 1618, 1781, 2155, 2174, 2325, 2335, 2416, 2482, 2666, 2682, 2851, 3135, 3280, 3300-3301, 3317, 3477, 3530, 3655, 3815, 3924, 3928, 3932, 3978, 4006, 4174, 4270  
 MITOCHONDRIA, HEART: 393, 609-610, 1171, 3653, 3823, 4406  
 MITOCHONDRIA, LIVER: 40, 174, 461, 608, 647, 740, 1606, 1757, 1764, 2071, 2991, 3274, 3292, 3401, 3533  
 MITOCHONDRIA, MUSCLE: 66, 644, 1294, 3249, 3672-3673, 3752, 3813, 4001-4002  
 MITOCHONDRIAL CONTRACTION: 2991  
 MITOCHONDRIAL SWELLING: 1757, 2991, 3823  
 MITOGENS: 340, 386, 1087, 1141, 2200, 2501  
 MITOSIS: 226, 943, 1243, 1264, 1342, 1579, 1679, 1775, 2074, 2300, 2413, 2562, 3364, 3591, 3883, 4046, 4218  
 MITOTANE: 1026, 3766-3767  
 MITRAL VALVE INSUFFICIENCY: 3929  
 MIXED FUNCTION OXIDASES: 267, 554, 1575, 1722, 2830, 4219  
 MMPI: 3864  
 MODELS, BIOLOGICAL: 133, 196, 226, 243, 335, 377, 512, 576, 704, 732, 929, 1038, 1328, 1485, 1547, 1668, 1717, 1738, 1786, 1916, 1928, 2063, 2556, 2610, 2893, 2917-2918, 2978, 3046, 3201, 3301, 3321, 3442, 3482, 3840, 4112, 4135, 4195, 4267, 4329, 4467  
 MODELS, CHEMICAL: 3935  
 MODELS, NEUROLOGICAL: 2396, 4013  
 MODELS, STRUCTURAL: 2487, 2996  
 MODELS, THEORETICAL: 744  
 MOLAR: 472, 1324, 2355  
 MOLECULAR BIOLOGY: 4495  
 MOLECULAR CONFORMATION: 43, 784, 928, 1158, 1446, 1668, 1909, 2509, 2787, 2978, 3023, 3315, 3609, 3778, 3952, 4369  
 MOLECULAR WEIGHTS: 3992  
 MOLECULAR WEIGHT: 41, 93, 155, 565, 699, 738, 756, 796, 811, 865, 1201, 1259, 1283, 1333, 1440, 1491, 1659, 1662, 1833, 1905, 1921, 1966, 2118, 2244, 2367, 2474, 2514, 2833, 2933, 3022, 3156, 3217, 3343, 3368, 3503, 3574, 3585, 3591, 3670, 3778, 3897, 3970, 4005, 4174, 4209, 4288, 4324, 4392, 4434, 4472  
 MOLES: 3170  
 MOLINDONE: 33  
 MOLLUSCA: 2122, 3152  
 MOLLUSCUM CONTAGIOSUM: 4438  
 MONGOLOID RACE: 1127, 4363  
 MONILIASIS, VULVOVAGINAL: 3855  
 MONITORING, PHYSIOLOGIC: 518, 4331  
 MONKEY DISEASES: 3789  
 MONKEYS: 33-34, 74, 111, 246, 266, 293, 464, 668, 743, 748, 788, 851, 878, 996, 1072, 1103, 1164, 1190-1191, 1342, 1394-1395, 1412, 1429, 1554, 1612, 1681, 1684, 1920, 1980, 2098, 2404-2405, 2410, 2499, 2503, 2634, 2672, 2714-2715, 2860, 3019, 3152, 3165, 3180, 3233, 3455, 3770, 3789, 3798, 3814, 3876, 4019, 4271, 4285, 4465, 4520  
 MONOAMINE OXIDASE: 213, 303, 461, 740, 1029, 1884, 2100, 2201, 2943, 3356, 3477, 4126  
 MONOAMINE OXIDASE INHIBITORS: 261, 872, 1764, 2100  
 MONOCYTES: 454, 1652, 1748, 2004, 2842, 3113, 3811  
 MORPHINANS: 136, 934, 2857  
 MORPHINE: 345, 486, 695, 883, 934, 1084, 1157, 1267, 1289, 1395, 1568, 1955, 2236, 2355, 2430, 2655, 2851, 3304, 3427, 3496, 3528, 3716, 3815, 4066, 4082, 4086, 4149, 4161, 4258, 4271, 4366, 4425  
 MORPHINE ADDICTION: 904, 2851, 3381, 3496  
 MORPHINE DERIVATIVES: 2301, 2972, 3815  
 MORPHOGENESIS: 559, 2612, 2884, 4412  
 MORTALITY: 1566, 3417  
 MOSAICISM: 339, 1175, 1328, 1811, 2214, 2923, 3403, 4218, 4417  
 MOTHER-CHILD RELATIONS: 451, 2935, 3858  
 MOTHERS: 4437  
 MOTILIN: 4522

MOTIVATION: 2061  
 MOTOR ACTIVITY: 50, 385, 492, 626, 837, 866, 1197, 1248, 1349, 1487, 1640, 1955, 2061, 2133, 2445, 2496, 2694, 3264, 3266, 3398, 3554, 3914, 3968, 4263, 4369, 4429  
 MOTOR CORTEX: 2435, 2548, 3463  
 MOTOR ENDPLATE: 2471, 4138  
 MOTOR NEURONS: 2484, 2605, 2928, 3112, 3122, 3620  
 MOTOR SKILLS: 1411, 2840  
 MOUTH: 357, 2938  
 MOUTH BREATHING: 2669  
 MOUTH, EDENTULOUS: 239, 357  
 MOUTH MUCOSA: 239, 294, 357, 715, 1266, 1809, 4442  
 MOUTH NEOPLASMS: 357, 2668  
 MOVEMENT: 2993, 3307, 3783  
 MOVEMENT DISORDERS: 583, 1812, 2496, 3203, 3663  
 MSH: 235, 631, 708, 826, 919, 951, 959, 1012, 1055, 1411, 1558, 1767, 1826, 2456, 3044, 3609, 4007  
 MSH RELEASE INHIBITING HORMONE: 394, 552, 1411  
 MSH RELEASING HORMONE: 394  
 MUCINS: 899  
 MUCOPOLYSACCHARIDES: 3011, 3024, 3843, 3946  
 MUCORALES: 4314  
 MUCORMYCOSIS: 4314  
 MULLERIAN DUCTS: 4042, 4201, 4372  
 MULTIENZYME COMPLEXES: 12  
 MULTIPLE MYELOMA: 176, 1686, 2137, 2564, 2657, 3230, 3969, 4451  
 MULTIPLE SCLEROSIS: 65, 431, 1731, 2455  
 MUMPS VACCINE: 2028  
 MURAMIDASE: 1711, 1736, 2399, 2447, 2816  
 MUREXIDE: 393  
 MUSCIMOL: 2690  
 MUSCLE CONTRACTION: 66, 322, 362, 464, 522, 736, 741-742, 895, 931, 949, 954, 1071, 1081, 1113, 1289, 1364, 1378, 1409, 1418, 1551, 1706, 1780, 1784, 1786, 2091-2092, 2122, 2219, 2256, 2320, 2328, 2361, 2580, 2678, 2777, 2921, 3017, 3053, 3133, 3210, 3280, 3300, 3381, 3411, 3441, 3650, 3862, 3971, 4085, 4087, 4161, 4294, 4317, 4425, 4444, 4485  
 MUSCLE CRAMP: 826, 3976  
 MUSCLE DYSTONIA: 1812  
 MUSCLE PROTEINS: 66, 323, 1018, 3650, 3917, 4281, 4343  
 MUSCLE RELAXATION: 742, 931, 1289, 1364, 1378, 2649, 2777, 3017, 3971  
 MUSCLE, SMOOTH: 66, 484, 522, 547, 690, 742, 895, 931, 1071, 1081, 1195, 1289, 1364, 1378, 1384, 1409, 1418, 1551, 1563, 1780, 1784, 1786, 2042, 2121, 2219, 2256, 2320, 2361, 2505, 2580, 2649, 2678, 2777, 3017, 3210, 3300, 3381, 3388, 3411, 3813, 3971, 4161, 4292, 4317, 4425, 4444  
 MUSCLE TONUS: 2320  
 MUSCLES: 47, 204, 288, 304, 322-323, 349, 362, 410, 536, 585, 641, 644, 654, 699, 756, 949, 971, 1008, 1285, 1294, 1317-1318, 1452, 1574, 1629, 1634, 1656, 1706, 1739, 1778, 1841, 1855, 1979, 2063, 2065, 2085, 2312, 2403, 2610, 2820, 2829, 2921, 2928, 3112, 3133, 3197, 3217, 3249, 3359, 3592, 3623, 3650, 3672-3673, 3714, 3752, 3813, 3899, 4176, 4444  
 MUSCULAR ATROPHY: 644, 1294  
 MUSCULAR DISEASES: 546, 644, 942, 1347, 1841, 3182, 3249  
 MUSCULAR DYSTROPHY: 644, 1202  
 MUSCULAR DYSTROPHY, ANIMAL: 288  
 MUSSELS: 1378, 3503  
 MUSTARD COMPOUNDS: 524  
 MUTATION: 466, 559, 576, 2214, 2350, 2385, 2447, 2918, 3364, 3409, 3625, 4223, 4412, 4441  
 MYASTHENIA GRAVIS: 1, 474, 644, 942, 2619, 2629, 3054, 3080, 3261, 3979, 4185  
 MYCOBACTERIUM: 2362  
 MYCOBACTERIUM BOVIS: 84  
 MYCOBACTERIUM LEPRAE: 2362  
 MYCOBACTERIUM TUBERCULOSIS: 1859  
 MYCOTOXINS: 735, 3695  
 MYELIN PROTEINS: 552  
 MYELITIS, TRANSVERSE: 3242  
 MYEOGRAPHY: 1072  
 MYELOID METAPLASIA: 3564  
 MYELOMA PROTEINS: 3230  
 MYELOPEROXIDASE: 454, 1989  
 MYELOPROLIFERATIVE DISORDERS:

2492  
 MYENTERIC PLEXUS: 74, 3175  
 MYOBLASTOMA: 1926  
 MYOCARDIAL CONTRACTION: 460, 634, 692, 871, 1128, 1241, 1599, 1620-1621, 2003, 2024, 2135, 2303, 2402, 2476, 2528, 2665, 2673, 2721, 2915, 3103, 3239, 3251, 3411, 3849, 3917, 4009-4010, 4090, 4343  
 MYOCARDIAL DISEASES: 428, 2223, 2472, 3354, 3805, 4062  
 MYOCARDIAL INFARCTION: 65, 642, 1016, 1407, 1638, 1667, 2185, 2459, 2473, 2532, 3267, 3417, 3629, 3698, 4049, 4476, 4496  
 MYOCARDITIS: 2081  
 MYOCARDIUM: 17, 28, 41, 47, 99, 132, 317, 338, 361, 393, 641, 692, 898, 1001, 1020, 1036-1037, 1188, 1241, 1328, 1470, 1583, 1620-1621, 1637, 1667, 1704, 2003, 2073, 2188, 2303, 2402, 2472, 2476, 2528, 2542, 2561, 2673, 2725, 3103, 3192, 3251, 3331, 3436, 3488, 3511, 3563, 3917, 4010, 4049, 4062, 4079, 4176, 4367, 4397  
 MYOFIBRILS: 393, 1378, 1470, 3249, 3917  
 MYOMETRIUM: 255, 2034, 2169, 2453, 3053, 4311  
 MYOSIN: 1659  
 MYOSITIS: 644, 4247  
 MYOSITIS OSSIFICANS: 412  
 MYOTONIA ATROPHICA: 2820  
 MYOTONIA CONGENITA: 789  
 MYXEDEMA: 680, 896, 1199, 3175, 3336, 3849, 4438  
 N  
 NAD: 1813, 1874, 1905, 2035, 2071, 2335, 2700, 2816, 2984, 4194, 4364  
 NADH, NADPH OXIDOREDUCTASES: 1402, 2262  
 NADP: 2350, 2700, 3191, 4364  
 NADPH CYTOCHROME C REDUCTASE: 461, 1575, 2733, 2943  
 NAFXODINE: 2593  
 NAIL-PATELLA SYNDROME: 1689  
 NALORPHINE: 4161  
 NALOXONE: 193, 345, 695, 824, 826, 875, 934, 1338, 1467, 1511, 1877, 2301, 2355, 2372, 2857, 3098, 3266, 3381, 3427, 4082, 4193, 4258, 4271, 4514  
 NALTREXONE: 368, 2655  
 NANDROLONE: 1347, 1795, 2546, 3948, 4387  
 NAPHTHALENES: 600, 2212, 3583, 4194  
 NAPHTHYRIDINES: 700  
 NARCOTICS: 1780, 3420  
 NASAL CAVITY: 3824  
 NASAL POLYPS: 3824  
 NASOPHARYNX: 2502, 4262  
 NATRIURESIS: 73, 868, 900, 1016, 1261, 1783, 3048  
 NAUSEA: 3235, 4251  
 NECK: 511, 797, 1109, 3112  
 NECROSIS: 340, 357, 536, 1737, 2572, 2625, 2906, 3338, 3605, 3740, 4293  
 NEGROID RACE: 1723, 2730, 4050, 4368  
 NEISSERIA MENINGITIDIS: 4231  
 NELSON SYNDROME: 1153, 2274, 2336, 3921  
 NEOMYCIN: 739, 2607  
 NEOPLASM CIRCULATING CELLS: 2939, 3445  
 NEOPLASM INVASIVENESS: 1971, 2880  
 NEOPLASM METASTASIS: 54, 61, 63, 177, 276, 285, 296, 359, 371, 475, 505, 596, 632, 755, 769, 870, 899, 920-921, 1031, 1040, 1078, 1083, 1211, 1258, 1273, 1454, 1482, 1542, 1592, 1617, 1740, 1865, 1887-1888, 1971, 1973, 1994, 2234, 2251, 2281, 2369, 2412, 2465, 2492, 2709, 2769, 2939, 2963, 3051, 3057, 3065, 3154, 3299, 3302, 3385, 3408, 3462, 3532, 3589-3590, 3664, 3786, 3865, 3898, 3956, 4036, 4044, 4106, 4128, 4233, 4293, 4354  
 NEOPLASM PROTEINS: 415, 556, 559, 618, 701, 1319, 1711, 1793, 4426  
 NEOPLASM RECURRENCE, LOCAL: 81, 285, 1539, 1773, 2585, 3119, 3302, 3728, 3786  
 NEOPLASM REGRESSION, SPONTANEOUS: 1482  
 NEOPLASM STAGING: 973, 1208, 1214, 1273, 1482, 1740, 1886-1887, 3232, 3242, 3456, 4233, 4494  
 NEOPLASM TRANSPLANTATION: 406, 786,



## SUBJECT INDEX

- A-329**



# SUBJECT INDEX

2374, 3227, 3571  
 OLIGOSACCHARIDES: 2343, 4472  
 OLIGOSPERMIA: 56, 427, 3287-3288, 3384, 3565, 3604, 3965, 4291  
 OLIGURIA: 2839  
 ONCOGENIC VIRUSES: 1668, 2893, 3506  
 ONIUM COMPOUNDS: 4425  
 ONTOGENY: 109, 168, 200, 930, 2292, 2512  
 OOCYTES: 198, 915, 1004, 1718, 1923, 2245, 2795, 3134, 3542, 3846, 3964  
 OOGENESIS: 198, 259, 915, 956, 1679, 3846  
 OOGONIA: 1679  
 OOMYCETES: 3870  
 OPHTHALMIC SOLUTIONS: 148  
 OPHTHALMOPLEGIA: 1294, 3072, 3126  
 OPHTHALMOSCOPY: 1611, 2028  
 OPOSSUMS: 779  
 OPTIC CHIASM: 1636, 3882  
 OPTIC DISK: 2028  
 OPTIC NERVE: 313, 833, 2455  
 OPTIC NERVE DISEASES: 1636, 3072  
 OPTIC NEURITIS: 2028, 3054, 3764  
 OPTICAL ILLUSIONS: 3764  
 ORAL MANIFESTATIONS: 294, 4011  
 ORBIT: 567, 1211, 1239, 1787, 3415, 3649  
 ORBITAL NEOPLASMS: 566-567, 1209, 1211, 2747, 3649  
 ORCHITIS: 1516, 4298, 4466  
 ORCIPRENALINE: 4277  
 ORGAN CULTURE: 1314, 1040, 1056, 1179, 1485, 1690, 1717, 2316, 2955, 3275, 3715, 3846, 3999, 4230, 4300  
 ORGAN PRESERVATION: 4471  
 ORGAN SPECIFICITY: 218, 395, 402, 482, 990, 1094, 1676, 1796, 2325, 2361, 2448, 3052, 3326, 3502, 3747, 4046  
 ORGAN WEIGHT: 172, 184, 258, 319, 341, 385, 399, 483, 487, 533, 539, 586, 717, 735, 767, 779, 857, 862, 953, 1085, 1270, 1478, 1488, 1550, 1575, 1677, 1681, 1712, 1739, 1785, 1813, 1846, 1871, 2271, 2330, 2508, 2518, 2558, 2645, 2706, 2739, 2864, 3144, 3148, 3191, 3196, 3282, 3335, 3655, 3729, 3773, 3779, 3819, 3847, 3852-3853, 3899, 4244, 4263, 4375, 4387, 4463  
 ORGANOID: 46, 391, 610, 616, 2130, 2735, 2924, 3084, 3249, 3396, 3607, 4485  
 ORGANOPHOSPHORUS COMPOUNDS: 1147, 2223, 2335  
 ORGANOITHIOPHOSPHORUS COMPOUNDS: 1147  
 ORIENTATION: 2579, 3554  
 ORNITHINE AMINOTRANSFERASE: 2174, 4379  
 ORNITHINE CARBAMOYLTRANSFERASE: 1334  
 ORNITHINE DECARBOXYLASE: 229, 1604, 1816, 2756, 3076  
 ORTHOPEDIC FIXATION DEVICES: 1817, 2707, 4100  
 ORTHOPEDICS: 3240  
 ORTHOTIC DEVICES: 1062  
 OSMIUM TETROXIDE: 1115  
 OSMOLAR CONCENTRATION: 89, 166, 188, 249, 314, 473, 1027, 1041, 1425, 1458, 2235, 2376, 2633, 3083, 3280, 3583, 3813, 4154  
 OSMOSIS: 2614, 2991  
 OSMOTIC FRAGILITY: 3755  
 OSSIFICATION, PATHOLOGIC: 2084  
 OSSIFICATION, PHYSIOLOGIC: 1681, 3321  
 OSTEITIS DEFORMANS: 1252, 1699, 1762, 4178  
 OSTEITIS FIBROSA CYSTICA: 1948, 2625  
 OSTEOARTHRITIS: 470, 2931  
 OSTEOARTHROPATHY, PRIMARY HYPERTROPHIC: 4523  
 OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC: 1092  
 OSTEOLASTS: 472  
 OSTEOLASTS: 2843, 3074  
 OSTEOCYTES: 3131  
 OSTEOREGENESIS: 4186, 4441  
 OSTEOREGENESIS IMPERFECTA: 318, 940, 1380, 1584, 2295, 2654, 3946, 4221, 4441  
 OSTEOLYSIS: 1074, 2657, 2974  
 OSTEOMALACIA: 3, 470, 791, 1180, 1252, 1699, 2995, 3182, 3256, 3260, 3291, 3350, 4012, 4180, 4423  
 OSTEOMYELITIS: 729, 1469, 2318  
 OSTEOECROSIS: 961, 1070, 1489, 3088  
 OSTEOPETROSIS: 1206, 3074, 3579, 3857

OSTEOPOROSIS: 49, 239, 297, 305, 463, 597, 1419, 1594, 1699, 1832, 1929, 2197, 2467, 2484, 2616, 2821, 2823, 2931, 3139, 3205, 3260, 3350, 3392, 3435, 3464, 3560, 4012, 4178  
 OSTEORADIONECROSIS: 357, 3154  
 OSTEOSCLEROSIS: 3704  
 OSTEOTOMY: 2931, 3240  
 OTITIS: 697  
 OTITIS MEDIA: 697, 1186, 2441  
 OTITIS MEDIA, SUPPURATIVE: 2441  
 OTORHINOLARYNGOLOGIC DISEASES: 1469, 1979, 2747  
 OTOSCLEROSIS: 3204  
 OUABAIN: 840, 1052, 1561, 2022, 2539, 3631, 4112, 4397-4398  
 OVALBUMIN: 1039, 3657-3658  
 OVARIAN CYSTS: 691, 1015, 1556, 1957, 2103, 2342, 2493, 4004, 4268  
 OVARIAN DISEASES: 526, 650, 724, 1359, 1481, 1680, 2099, 2958, 3547, 4287  
 OVARIAN NEOPLASMS: 252, 329-330, 366, 406, 416, 435, 455, 525, 599, 632, 639, 698, 849, 873, 886, 910, 981, 1033, 1208, 1214, 1227, 1332, 1539, 1556, 1562, 1615, 1675, 1773, 1843, 1865, 1873, 1930, 1971, 2103, 2111, 2146, 2203, 2342, 2391, 2466, 2527, 2587, 2596, 2662, 2730, 2771, 2879, 2932, 2939, 3065, 3091, 3099, 3101, 3154, 3214, 3426, 3462, 3529, 3643, 3691, 3697, 3768, 3878, 3891, 3956-3958, 4032, 4167, 4333, 4494  
 OVARY: 16, 38, 101, 117, 156, 172, 175, 198, 215, 277, 281-282, 312, 320, 390, 421, 453, 455, 563, 586, 619, 632, 681, 685, 748, 754, 956, 1044, 1105, 1164, 1224, 1270, 1363, 1417, 1436, 1478, 1517-1518, 1549, 1602, 1679-1680, 1708, 1718, 1752, 1923, 1943, 1957-1958, 1978, 2048, 2244, 2260, 2271, 2369, 2380, 2450, 2463, 2487, 2595, 2667, 2680, 2713, 2739, 2837, 2885, 2947, 3000, 3081, 3228, 3238, 3520, 3542, 3547, 3594, 3596, 3846-3847, 3861, 3933, 3945, 3982, 4008, 4060, 4297, 4300, 4358, 4430  
 OVIDUCTS: 586, 1668, 2818, 3585, 3658, 4101  
 OVULATION: 21, 129, 281, 320, 586, 621, 788, 799, 924, 1029, 1045, 1166, 1220, 1417, 1481, 1603, 1649, 1805, 1867, 1978, 2044, 2142, 2163, 2175, 2260, 2287, 2298, 2333, 2349, 2380, 2523, 2572, 2655, 2658, 2678, 2849, 2947-2948, 3233, 3365, 3407, 3454, 3660, 3665, 3810, 3842, 4110, 4225, 4430  
 OVULATION DETECTION: 15  
 OVULATION INDUCTION: 320, 468, 2333, 2497, 2523, 3454  
 OVUM: 198, 915, 1004, 1679, 2245, 2795, 3134, 3870, 3964, 4225  
 OVUM TRANSPORT: 2678, 3000, 4225  
 OXALATES: 255, 1128, 2065  
 OXAZEPAM: 2845  
 OXAZINES: 553  
 OXAZOLES: 2690  
 OXAZOLONE: 3579  
 OXIDATION-REDUCTION: 656, 1401, 1884, 1989, 2071, 2075, 2089, 2310, 2335, 2875, 2991, 3223, 3637, 4473  
 OXIDATIVE PHOSPHORYLATION: 37, 461, 721  
 OXIDOREDUCTASES: 151-152, 267, 301, 553-554, 1508, 1575, 1717, 2350, 2352, 2558, 2830, 3042, 3978  
 OXIMES: 14, 2326  
 OXISURAN: 2791  
 OXOTREMORINE: 2545  
 OXPRENOLOL: 571, 2825, 3497, 3783, 4277  
 OXYGEN: 76, 721, 741, 871, 931, 2152, 2790, 4449  
 OXYGEN CONSUMPTION: 362, 393, 654-655, 723, 742, 971, 1171, 1268, 1307, 1412, 1583, 1626, 2003, 2219, 2325, 2335, 2410, 2790, 2984, 3103, 3401, 3533, 3959, 4244, 4406, 4437, 4478  
 OXYGEN INHALATION THERAPY: 1265  
 OXYGENASES: 1760, 2132, 2174  
 OXYGENATORS, MEMBRANE: 76  
 OXYMETHOLONE: 39, 1073, 1695  
 OXYTETRACYCLINE: 1526, 3707  
 OXYTHIAMINE: 3587  
 OXYTOCINS: 3330  
 OXYTOCIN: 111, 238, 240, 540, 745, 892, 998, 1122, 1195, 1339, 1424, 1525, 1586, 2051-2052, 2348, 2776, 2975, 3050, 3201, 3226, 3277, 3307, 3545, 3734, 3738, 3750, 3799, 4023, 4309, 4311, 4465, 4501  
 OXYTOSINASE: 2210

## P

PAGET'S DISEASE OF BREAST: 3865  
 PAIN: 69, 189, 437, 505, 591, 826, 994, 1174, 1467, 1512, 1568, 1920, 1995, 2445, 2572, 3781, 4156, 4258, 4286, 4514  
 PAIN, INTRACTABLE: 1617  
 PAIN, POSTOPERATIVE: 2355  
 PAIRED-ASSOCIATE LEARNING: 85  
 PALATAL NEOPLASMS: 2157  
 PALATE: 289  
 PALATE, SOFT: 1492  
 PALEONTOLOGY: 4050  
 PALEOPATHOLOGY: 3598  
 PALLADIUM: 1150  
 PALLIATIVE TREATMENT: 849, 870, 2234, 4286  
 PALMITOYL-CARNITINE: 3192  
 PALPATION: 257  
 PANCREAS: 74, 216, 405, 410, 594, 662, 777, 800, 977, 1196, 1581, 1635, 1897, 2027, 2313, 2394, 2403, 2938, 3105, 3468, 3499, 3562, 3605, 3771, 3935, 3947, 3951, 4044, 4130, 4152, 4269, 4316, 4334, 4446  
 PANCREATIC DISEASES: 1015, 1360, 2732  
 PANCREATIC EXTRACTS: 4376  
 PANCREATIC FISTULA: 4058  
 PANCREATIC HORMONES: 216, 4522  
 PANCREATIC JUICE: 1762, 4522  
 PANCREATIC NEOPLASMS: 344, 786, 886, 1154, 1360, 1806-1807, 2651, 2769, 3481, 3693, 3809, 3859, 4044  
 PANCREATIC POLYPEPTIDE: 534, 4522  
 PANCREATITIS: 753, 1019, 1576, 1840, 3605  
 PANCYTOPENIA: 894  
 PAPAIN: 1320, 1863  
 PAPAVERINE: 1228, 3488, 3971, 4239  
 PAPER: 298  
 PAPILLARY MUSCLES: 1599, 3917  
 PAPILLODEMA: 313  
 PAPILLOMA: 177, 2668, 3820, 4208  
 PAPIO: 1684, 2098  
 PARACOCIDIOIDOMYCOSIS: 845  
 PARACOCUS DENITRIFICANS: 2035  
 PARAFFIN: 1557, 3291  
 PARAGANGLIOMA: 719  
 PARA-INFLUENZA VIRUS TYPE 1: 2641, 4211  
 PARAKEETS: 862, 1682, 2581  
 PARAKERATOSIS: 4316  
 PARALYSIS, FAMILIAL PERIODIC: 2743  
 PARAMECIUM: 576, 2644, 3627  
 PARANASAL SINUS NEOPLASMS: 2255, 4426  
 PARANASAL SINUSES: 3824  
 PARANOIA: 1702  
 PARAOXON: 4301  
 PARAPLEGIA: 1515, 3115  
 PARAPROTEINEMIAS: 4451  
 PARASITES: 1216  
 PARASITIC DISEASES: 2668  
 PARASYMPATHETIC NERVOUS SYSTEM: 1677, 3239, 3259  
 PARASYMPATHOLYTICS: 101, 2208, 3432  
 PARASYMPATHOMIMETICS: 101, 186, 662, 2208, 2439, 3177  
 PARATHYROID GLANDS: 5, 103, 154, 191, 494, 774, 974, 1107, 1533, 1543, 1609, 1902, 2422, 2606, 2626, 2669, 2806, 2811, 2962, 2990, 3018, 3118, 3208, 3380, 3897, 3991, 4028, 4393, 4395  
 PARATHYROID HORMONE: 98, 133, 154, 269, 462, 475, 495, 613, 646, 974, 1019, 1290, 1404, 1441, 1533, 1617, 1622, 1967, 1973, 2140, 2390, 2480, 2509, 2563, 2601, 2625-2626, 2729, 2811, 2842-2843, 2853, 2867, 3051, 3074, 3088, 3118, 3184, 3208, 3218, 3412, 3628, 3656, 3897, 4007, 4250, 4443, 4481, 4498  
 PARATHYROID NEOPLASMS: 103, 397, 475, 494, 966, 1272, 1806, 1992, 2101, 2422, 2606, 3059, 4011, 4269  
 PARAVENTRICULAR NUCLEUS: 87, 111, 300, 411, 540, 892, 951, 1480, 1799, 1903, 2339, 2998, 4327  
 PARENT-CHILD RELATIONS: 309  
 PARENTERAL FEEDING: 83, 1522, 2997  
 PARENTERAL HYPERALIMENTATION: 1522, 2997  
 PARESTHESIA: 1054, 4523  
 PARGYLINE: 490, 492, 1248, 3199, 4145, 4147



# SUBJECT INDEX

- PARIETAL LOBE: 2686, 3900, 4125  
 PARITY: 3, 463, 766, 1532, 1756, 1889, 2730, 2786, 3124, 3139, 3701, 3884, 4212, 4300  
 PARKINSON DISEASE: 79, 470, 1411, 3235, 3356, 3523, 3581  
 PARKINSON DISEASE, POSTENCEPHALITIC: 1411  
 PAROTID GLAND: 1852, 2765, 3063, 4243  
 PAROTID NEOPLASMS: 2157  
 PAROTIN: 2764-2765, 3686  
 PARTIAL PRESSURE: 4478  
 PARTICLE SIZE: 2925  
 PARTURIENT PARESIS: 1924  
 PARVALBUMINS: 1018  
 PASSIVE CUTANEOUS ANAPHYLAXIS: 2890  
 PASSIVE TRANSFER: 1039  
 PASTEURILLA: 2831, 4262  
 PATERNAL AGE: 3825  
 PATHOLOGY: 1386, 1610, 4030  
 PATIENT ACCEPTANCE OF HEALTH CARE: 470  
 PATIENT CARE PLANNING: 579, 1367, 1461, 1885, 2196, 2284, 3199, 3244-3245, 4260  
 PATIENT CARE TEAM: 2688  
 PATIENT COMPLIANCE: 1882  
 PATIENT ISOLATION: 2648  
 PATIENT PARTICIPATION: 637  
 PATIENT READMISSION: 470, 3864  
 PATIENTS: 1062, 1286, 1509, 1699, 2023, 3121, 3451  
 PECTINS: 1530  
 PEDIATRICS: 4518  
 PEDIGREE: 663, 1033, 1074, 1130, 1299, 1363, 2285, 2356, 2932, 3157, 3765  
 PELLAGRA: 4521  
 PELVIC BONES: 2667, 3359  
 PELVIC EXENTERATION: 1873  
 PELVIC NEOPLASMS: 1482, 1556, 3417  
 PELVIS: 1187, 1873, 2048, 2450, 2745, 3787, 4004  
 PEMOLINE: 3296  
 PEMPHIGUS: 564, 3142, 3464, 3473, 4238  
 PENFLURIDOL: 105  
 PENICILLAMINE: 752, 911, 1062, 1634, 2653  
 PENICILLIN G: 67  
 PENICILLINS: 1820, 1935, 2701  
 PENILE DISEASES: 3595, 3855  
 PENIS: 2350, 2578, 2966, 3595  
 PENTAGASTRIN: 523, 1454, 1573, 2832, 3400, 4318  
 PENTOBARBITAL: 1951, 1980, 2851, 3436, 4210  
 PENTOSEPHOSPHATES: 2164  
 PENTOXIFYLLINE: 2347  
 PENTYLENETETRAZOLE: 520  
 EPSTATINS: 1207, 3724  
 EPTIC ULCER: 1657, 2086, 3025, 3062  
 EPTIC ULCER HEMORRHAGE: 835, 2636  
 EPTIDE CHAIN INITIATION: 1379, 3218, 4072  
 EPTIDE FRAGMENTS: 557, 768, 1002, 1035, 1446, 1893, 2373, 2456, 2620, 3056, 3311, 3319, 3368, 3722, 4281  
 EPTIDE HYDROLASES: 4, 308, 1470, 1533, 1802, 2204, 2448, 4469  
 EPTIDE INITIATION FACTORS: 3022, 4072  
 EPTIDE PEPTIDOHYDROLASES: 2121  
 EPTIDES: 365, 773, 793, 959, 1194, 1364, 1503, 1539, 1715, 1821, 1947, 2118, 2206, 2373, 2415, 2456, 2637, 2787, 2912, 2969, 3136, 3286, 3369, 3634, 3873, 3886, 3935, 4078, 4209, 4434  
 EPTIDOLYCAN: 2620  
 ERCEPTION: 891  
 ERCHLORIC ACIDS: 1952  
 ERUFUSION: 497, 585, 692, 958, 1027, 1244, 1620, 1915, 2022, 2024, 2429, 3177, 3316, 3465, 3656, 4364, 4478  
 ERIARTERITIS NODOSA: 278, 3851  
 ERICARDITIS: 3242, 3267, 3691  
 ERICARDIUM: 3691  
 ERIMETRY: 830  
 ERINEUM: 3854  
 ERIODIC ACID-SCHIFF REACTION: 996, 3044  
 ERIODIC ACIDS: 4473  
 ERIODIC DISEASE: 3267  
 ERIODICITY: 109, 147, 664, 956, 1145, 1197, 1221, 1327, 1591, 1649, 1657, 1712, 1902, 2329, 2428, 2656, 2739, 2983, 3064, 3161, 3328, 3469, 3632, 3758, 3922, 3933, 3945, 3955, 4101  
 ERIODONTAL INDEX: 1981  
 PERIODONTIUM: 357, 3225  
 PERIPHERAL NERVE DISEASES: 583, 1211, 1979, 2459, 3203  
 PERIPHERAL NERVES: 191, 796, 1605  
 PERISTALSIS: 523  
 PERITONEAL DISEASES: 447  
 PERITONEAL FLUID: 601, 2791  
 PERITONEOSCOPY: 1060, 1978, 2103, 3547  
 PERITONEUM: 4, 3071  
 PERITONITIS: 516  
 PERMEABILITY: 115, 2614, 2705, 4154-4155, 4458-4459  
 PEROXIDASES: 283, 424, 454, 950, 3580  
 PEROXIDES: 1401, 1447, 1872, 2262  
 PERPHENAZINE: 2280  
 PERSONAL SATISFACTION: 4307  
 PERSONALITY: 3814, 3864  
 PERSONALITY DEVELOPMENT: 309  
 PERSONALITY DISORDERS: 2798  
 PERSONALITY INVENTORY: 185, 3237, 4322  
 PERSONALITY TESTS: 2050  
 PEYER'S PATCHES: 1039, 1796  
 PHAGOCYTE BACTERICIDAL DYSFUNCTION: 3042  
 PHAGOCYTES: 1562  
 PHAGOCYTOSIS: 819, 833, 1462, 1547, 1772, 1989, 2446, 3042, 3143, 3150, 4228, 4356  
 PHALLOIDINE: 3571  
 PHARMACEUTIC AIDS: 4376  
 PHARMACOLOGY: 3382  
 PHARMACY SERVICE, HOSPITAL: 2023, 3121  
 PHARYNGEAL NEOPLASMS: 1432  
 PHARYNX: 3136  
 PHENACETIN: 2089  
 PHENANTHRENES: 3935  
 PHENANTHROLINES: 2388  
 PHENETHANOLAMINE  
 N-METHYLTRANSFERASE: 170, 3147, 4016, 4103, 4256  
 PHENETHYLAMINES: 284, 1248, 2089, 3356, 3726, 4369  
 PHENFORMIN: 975  
 PHENOBARBITAL: 267, 520, 670, 1288, 1561, 2020, 2337, 2693, 2984, 3931  
 PHENOLS: 4104  
 PHENOTHIAZINES: 82, 134, 229  
 PHENOTYPE: 891, 1142, 1181, 1754, 2864, 2918, 3319, 3403, 3478, 3625, 4092, 4168, 4298  
 PHENOXYBENZAMINE: 452, 547, 640, 1231-1232, 1525, 1642, 2582, 3838  
 PHENSUXIMIDE: 2211  
 PHENTERMINE: 1933  
 PHENTOLAMINE: 405, 481, 547, 640, 1569, 1709, 1927, 3465, 3838  
 PHENYL ETHERS: 1351, 2954  
 PHENYL MERCURY COMPOUNDS: 2178  
 PHENYLACETATES: 105, 379  
 PHENYLALANINE: 2891, 3368, 3484  
 PHENYLBUTAZONE: 444, 506, 2187, 2845, 3179  
 PHENYLENEDIAMINES: 1115, 3553  
 PHENYLEPHRINE: 232, 481, 1599, 1706, 1903  
 PHENYLHYDRAZINES: 1871  
 PHENYLMERCURIC ACETATE: 2178  
 PHENYLPROPIONATES: 1795  
 PHENYLTHIAZOLYLTHIOUREA: 1953  
 PHENYLTHIOUREA: 1953  
 PHENYTOIN: 520, 789, 1183, 1198, 1882, 3256, 3931, 3948, 4192, 4382  
 PHEOCHROMOCYTOMA: 219, 549, 640, 719, 792, 847, 1059, 1272, 1392, 1420, 1454, 1604, 1724, 1858, 1880, 2038, 2105, 2284, 2436, 2444, 2451, 2459, 2772, 2862, 3020, 3190, 3193, 3271, 3313, 3404, 3527, 3762, 3866, 4137, 4265, 4269, 4389, 4454  
 PHIMOSIS: 2824  
 PHLEBOGRAPHY: 1138, 1355, 1500, 1574, 4137  
 PHLORETIN: 831  
 PHONATION: 3926  
 PHORBOL ESTERS: 1839, 3999  
 PHORBOLS: 1181, 1839, 3999  
 PHOSPHATASES: 608, 699  
 PHOSPHATES: 3, 40, 98, 102, 196, 254-255, 412, 429, 448, 1038, 1101, 1235, 1419, 1514, 1609, 1757, 1967, 1973, 2071, 2140, 2230, 2267, 2390, 2509, 2563, 2682, 2853, 2990, 3118, 3148, 3162, 3184-3185, 3613, 3628, 3636, 3813, 3822-3823, 4028, 4083, 4251  
 PHOSPHATIDIC ACIDS: 4154-4155  
 PHOSPHATIDYLCHOLINES: 1077, 1485, 1566, 1696, 3570, 3932, 4154-4155, 4172  
 PHOSPHATIDYLETHANOLAMINES: 3932  
 PHOSPHATIDYLINOSITOLS: 2266-2268  
 PHOSPHATIDYLSEERINES: 1103  
 PHOSPHOCREATINE: 1171  
 PHOSPHODIESTERASE INHIBITORS: 155, 1758, 2630, 3063, 3263, 4367, 4412  
 PHOSPHODIESTERASES: 756, 902, 1264, 1494, 2005, 2524, 2816, 3844, 4084  
 PHOSPHOENOLPYRUVATE: 12, 3401, 3924, 4136  
 PHOSPHOENOLPYRUVATE CARBOXYKINASES: 1421, 1856, 2791, 3502  
 PHOSPHOENOLPYRUVATE CARBOXYLASE: 976  
 PHOSPHOFRUCTOKINASE: 204, 288  
 PHOSPHOINOSITIDES: 1103  
 PHOSPHOLIPASE: 660, 728, 3197, 3442, 3672, 3771, 3908  
 PHOSPHOLIPIDS: 707, 859, 1020, 1096, 1103, 1518, 1872, 2080, 2267, 2917, 3197, 3655, 3807, 3932, 4062  
 PHOSPHONIC ACIDS: 448  
 PHOSPHONOACETIC ACID: 2223  
 PHOSPHOPROTEIN PHOSPHATASES: 3692  
 PHOSPHOPROTEINS: 1966, 2376, 2432, 2514, 3306  
 PHOSPHORUS: 304, 477, 532, 1014, 1180, 1236, 1329, 1386, 1674, 1769, 1924, 2025, 2424, 2626, 3168, 3198, 3260, 3752, 3839, 4200, 4221, 4255, 4388, 4409, 4443  
 PHOSPHORUS METABOLISM DISORDERS: 1419, 3260  
 PHOSPHORUS RADIOISOTOPES: 72, 371, 1067, 1214, 1617, 1973, 2492, 2648, 3051, 3692, 4237, 4332, 4494  
 PHOSPHORYLASE A: 1405  
 PHOSPHORYLASE KINASE: 756, 2085  
 PHOSPHORYLATION: 699, 701-702, 1038, 1659, 1830, 1852, 1966, 2035, 2129, 2182, 2432, 3306, 3561, 3574, 3577, 3692, 4072, 4136, 4252, 4343  
 PHOSPHOTRANSFERASES: 12  
 PHOSPHOTRANSFERASES, ATP: 811, 1334  
 PHOTIC STIMULATION: 2177, 4051, 4125  
 PHOTOCHEMISTRY: 2384  
 PHOTOGRAMMETRY: 3240  
 PHOTOGRAPHY: 3240, 3768  
 PHOTOLYSIS: 557, 1722  
 PHOTOMETRY: 446, 1293, 2269, 3627  
 PHOTOPHOSPHORYLATION: 4209  
 PHOTORECEPTORS: 2017, 2282, 2531, 3377, 4035  
 PHOTOSENSITIZATION: 1940  
 PHOTOSYNTHESIS: 37  
 PHRENIC NERVE: 934, 1980  
 O-PHTHALALDEHYDE: 3941  
 PHYCOMYCETES: 1104, 3711  
 PHYLOGENY: 3358  
 PHYSICAL CONDITIONING, ANIMAL: 3899  
 PHYSICAL EDUCATION AND TRAINING: 441, 4002, 4342  
 PHYSICAL EXAMINATION: 296, 1611, 3399, 3666, 4302  
 PHYSICAL STIMULATION: 2784  
 PHYSICAL THERAPY: 2611  
 PHYSICIAN-PATIENT RELATIONS: 2426, 2935  
 PHYSICIANS: 3126  
 PHYSICIAN'S ROLE: 2023  
 PHYSOSTIGMINE: 1289, 1409, 2919, 4425  
 PHYTOHEMAGGLUTININS: 1141, 1423, 3179, 3774  
 PICLORAM: 3812  
 PICOLINIC ACIDS: 3479, 3812  
 PIGEONS: 1682, 1716  
 PIGMENT EPITHELIUM OF EYE: 1190  
 PIGMENTATION DISORDERS: 1745, 2540, 2668, 4274  
 PIGMENTS: 2782  
 PILOCARPINE: 1318  
 PILOT PROJECTS: 276  
 PIMOZIDE: 450, 1232, 1569, 2400, 2582, 3883  
 PINDOLOL: 374, 376, 537, 2799, 3581, 4277  
 PINEAL BODY: 385, 612, 754, 773, 833, 857-859, 878, 956, 1067, 1197, 1371, 1497, 1607, 1649, 1712, 1798, 2017, 2240-2241, 2265-2266, 2330, 2392, 2455, 2485, 2529, 2531, 2640, 2733, 2773, 2895, 2912, 3114, 3146, 3170, 3749, 3926, 3941,



# SUBJECT INDEX

4101, 4230, 4244, 4491  
 PINEALOMA: 224, 3942, 4491  
 PINNIPEDIA: 2315  
 PINOCYTOSIS: 1547, 3568  
 PIPERAZINES: 736, 2618, 4124  
 PIPERIDINES: 105, 2691, 3296, 4326  
 PIPEROXAN: 1394, 2691  
 PIRIBEDIL: 2582, 2618  
 PITUITARY-ADRENAL FUNCTION TESTS  
 : 2049, 2382, 2554, 3082, 4308  
 PITUITARY-ADRENAL SYSTEM: 504, 852,  
 885, 1042, 1111-1112, 1184, 1348, 1661, 2012,  
 2191, 2512, 2742, 2807, 3092, 3255, 3546, 3698,  
 3775, 4133, 4169, 4175, 4377, 4465, 4484  
 PITUITARY DISEASES: 107, 457, 1170, 1963,  
 2560, 2760, 3145, 3374, 3393, 4420  
 PITUITARY FUNCTION TESTS: 830, 984,  
 1751-1752, 2227, 2515, 2560, 3340, 3515, 4323  
 PITUITARY GLAND: 129, 194, 314, 409, 504,  
 554, 584, 621, 636, 670, 685, 708, 743, 748, 808,  
 833, 852, 854, 907, 916, 933, 935, 965, 986, 1012,  
 1045, 1056, 1085, 1193, 1224, 1270, 1374, 1417,  
 1424, 1436, 1446, 1512, 1543, 1557-1558, 1572,  
 1607, 1648, 1771, 1890, 1893, 1902, 1946, 1998,  
 2049, 2108, 2167, 2215, 2261, 2278, 2313, 2330,  
 2372-2373, 2397, 2448, 2456, 2501-2502, 2510,  
 2680, 2689, 2719, 2805, 2906, 2912, 3007,  
 3043-3044, 3089, 3092, 3145, 3247, 3308, 3369,  
 3396, 3447, 3452, 3493, 3507, 3589, 3687, 3746,  
 3756, 3796, 3801-3803, 3819, 3886, 3921, 3994,  
 4051, 4130, 4144, 4164, 4169, 4204, 4392  
 PITUITARY GLAND, ANTERIOR: 68, 153,  
 161, 218, 256, 293, 394-395, 469, 471, 479, 732,  
 746, 809, 858, 877, 1164-1166, 1193, 1199, 1262,  
 1269, 1488, 1558, 1591, 1603, 1608, 1694, 1729,  
 1752, 1766, 1771, 1824, 1943, 2153-2154, 2189,  
 2210, 2227, 2253, 2260, 2304, 2315, 2371, 2425,  
 2479, 2482, 2499, 2515, 2582, 2613, 2627, 2802,  
 2805, 2884-2885, 2912, 2922, 3082, 3111, 3114,  
 3135, 3159, 3396, 3405, 3449, 3555, 3575,  
 3586-3587, 3631, 3675, 3708, 3847, 3883, 3887,  
 3909, 3935, 3995, 4026, 4129, 4188, 4261, 4285,  
 4287, 4323, 4339, 4477  
 PITUITARY GLAND, POSTERIOR: 10, 89,  
 411, 813, 892, 913, 1046, 1424, 1525, 1648, 1982,  
 2178, 2420, 2630, 2712, 2975, 3733, 3889,  
 4023-4024, 4040, 4149, 4276  
 PITUITARY HORMONE RELEASE  
 INHIBITING HORMONES: 552, 1056,  
 1653-1654, 4129  
 PITUITARY HORMONE RELEASING  
 HORMONES: 320, 552, 877, 984, 1164, 1193,  
 1624, 1866, 1947, 2246, 2253, 2724, 3982,  
 4129-4130, 4287, 4339, 4477  
 PITUITARY HORMONES: 160, 194, 471, 733,  
 1287, 1505, 2278, 2288, 2724, 3137, 3756, 4519  
 PITUITARY HORMONES, ANTERIOR: 617,  
 1194, 1864, 2153-2154, 2183, 2304, 2381, 2479,  
 2613, 2804, 3940, 4336  
 PITUITARY HORMONES, POSTERIOR: 186,  
 892, 1982, 2270, 2348, 2787, 3541  
 PITUITARY IRRADIATION: 2274, 3213  
 PITUITARY NEOPLASMS: 422, 469, 629, 712,  
 790, 814, 867, 936, 1153, 1226, 1229, 1287, 1302,  
 1544, 1557-1558, 1668, 1683, 1710, 1921, 1926,  
 1938, 1985, 2055, 2196, 2264, 2270, 2274, 2278,  
 2336, 2371, 2382, 2413, 2482, 2491, 2515, 2854,  
 3145, 3368, 3421, 3531, 3551, 3565, 3747, 3819,  
 3972, 4115, 4146, 4171, 4288  
 PITUITRIN: 186  
 PITYRIASIS: 607  
 PLACEBOS: 538, 1140, 1743, 1877, 2247, 2355,  
 2488, 3045, 3504  
 PLACENTA: 60, 110, 115, 138, 168, 171, 180,  
 280, 335, 365, 403, 530, 717, 723, 728, 865, 1076,  
 1119, 1191, 1333, 1463, 1577, 1614, 1641, 1666,  
 1701, 1945, 2001, 2053, 2359, 2517, 2534, 2705,  
 2759, 3189, 3343, 3403, 3432, 3751, 3765, 3889,  
 4301-4302, 4320-4321, 4329, 4437, 4467, 4470,  
 4478  
 PLACENTA ACCRETA: 766  
 PLACENTA DISORDERS: 110, 177, 326, 539,  
 1431, 2269, 2294, 2478, 2688, 2706, 3107, 3323,  
 3334, 3355, 3399, 4320  
 PLACENTA PRAEVIA: 766  
 PLACENTAL FUNCTION TESTS: 2051, 2078,  
 3307  
 PLACENTAL HORMONES: 2053, 2087, 3982  
 PLACENTAL INSUFFICIENCY: 171, 326,  
 1431, 3107

PLACENTAL LACTOGEN: 326, 365, 770,  
 1110, 1358, 1507, 1847, 2001, 2433-2434, 2530,  
 3466, 3861, 4212, 4299-4300, 4302, 4519  
 PLANT EXTRACTS: 254, 983, 2621, 2748, 3162,  
 3443  
 PLANT GROWTH REGULATORS: 3994  
 PLANT PROTEINS: 4209  
 PLANTS: 23, 865, 1115, 2424, 3198, 4367, 4386  
 PLANTS, MEDICINAL: 983, 1516  
 PLANTS, TOXIC: 254  
 PLAQUE ASSAY: 1578  
 PLASMA: 577, 913, 3332, 3523, 4459  
 PLASMA CELLS: 1594  
 PLASMA VOLUME: 2198, 3189, 3474, 3783  
 PLASMACYTOMA: 1594, 1639, 1808, 4178  
 PLASMAPHERESIS: 2520, 3332, 4290  
 PLASMINOGEN: 282, 4469  
 PLASMINOGEN ACTIVATORS: 281-282,  
 1565, 1625, 2303, 4469  
 PLATELET ADHESIVENESS: 739, 879, 1670,  
 4460  
 PLATELET AGGREGATION: 348, 437, 446,  
 489, 545, 739, 879, 1071, 1155, 1384, 1495-1496,  
 1563, 2204, 2777, 2994, 3021, 3060, 3173, 3332,  
 3671, 3918, 3959, 4068, 4213, 4259, 4317  
 PLATINUM DIAMMINODICHLORIDE: 435,  
 639, 1069, 1562, 4335  
 PLETHYSMOGRAPHY: 1335  
 PLETHYSMOGRAPHY, IMPEDANCE: 1102  
 PLEURA: 3169  
 PLEURAL DISEASES: 4058  
 PLEURAL EFFUSION: 2648, 2699, 3169, 3289,  
 4058  
 PLEURAL NEOPLASMS: 72, 3115, 3664  
 PLUTONIUM: 2423  
 PNEUMOENCEPHALOGRAPHY: 867  
 PNEUMONECTOMY: 3444  
 PNEUMONIA: 58, 1638, 3242, 3440, 4346  
 PNEUMOPERITONEUM, ARTIFICIAL: 4137  
 PNEUMORADIOGRAPHY: 1177, 2745  
 PODOPHYLLIN: 3090  
 POIKILODERMA CONGENITALE: 683, 1940  
 POKEWEE MITOGENS: 1141, 2004  
 POLIOMYELITIS: 4284  
 POLIOVIRUS: 4249  
 POLITICS: 438  
 POLY A: 2273  
 POLY DA-DT: 876  
 POLYAMINES: 333, 1578, 1933, 2642, 3458  
 POLYBIMOBIPHENYL COMPOUNDS: 496  
 POLYCHAETA: 196  
 POLYCHLOROBIPHENYL COMPOUNDS:  
 2020  
 POLYCYTHEMIA: 4437  
 POLYCYTHEMIA VERA: 72  
 POLYETHYLENE GLYCOLS: 44, 980, 1110,  
 1815, 2641, 4249, 4432  
 POLYETHYLENE TEREPHTHALATE: 3744  
 POLYGLUTAMIC ACID: 2637  
 POLYLYSINE: 2637  
 POLYMERS: 84, 3729, 3833, 4459  
 POLYMETHACRYLIC ACIDS: 4458  
 POLYMORPHISM (GENETICS): 943, 3765  
 POLYMYALGIA RHEUMATICA: 510, 2718,  
 2841  
 POLYMYXIN B: 1530  
 POLYPHLORETIN PHOSPHATE: 4311  
 POLYPHOSPHATES: 1973  
 POLYPLOIDY: 2906, 3967  
 POLYPS: 287, 1806-1807, 3057  
 POLYRADICULITIS: 3589  
 POLYRADICULONEURITIS: 1320, 1605, 1777  
 POLYRIBOSOMES: 1243, 1533, 4324  
 POLYSACCHARIDES, BACTERIAL: 2594  
 POLYSORBATES: 1077  
 POLYURIA: 268, 927, 3244  
 POLYVINYLPIRROLIDONE: 516, 676, 710,  
 1828, 2419  
 PONS: 934, 1313, 1742, 2153, 3212, 4103  
 POPULATION CONTROL: 2658  
 POPULATION GROWTH: 2658  
 POPULATION SURVEILLANCE: 2214  
 PORPHYRIA: 775, 1362, 1940, 3267  
 PORTACAVAL ANASTOMOSIS: 408, 1840,  
 3575  
 PORTAL SYSTEM: 911  
 PORTAL VEIN: 2361, 3348  
 POSITIVE PRESSURE RESPIRATION: 1495  
 POSTGASTRECTOMY SYNDROMES: 3260  
 POSTOPERATIVE CARE: 4, 220, 572, 1023,

1026, 1186, 1367, 1894, 1976, 1992, 2146, 2196,  
 2284, 3245, 3560, 3827, 3984, 4189  
 POSTOPERATIVE COMPLICATIONS: 220,  
 268, 364, 447, 494, 763, 835, 917, 1336, 1992,  
 2002, 2024, 2190, 2259, 2444, 2506, 2592, 2663,  
 2738, 2806, 2931, 2966, 3245, 3248, 3558, 3827,  
 3963, 3984, 4213, 4307, 4331, 4362  
 POSTOPERATIVE PERIOD: 1425, 2905, 3739  
 POSTURE: 537, 703, 1090, 1132, 1261, 1534, 1660,  
 1725, 2346, 2500, 2959, 3497, 3783, 4447  
 POTASSIUM: 212, 273, 317, 362, 412, 442, 476,  
 576, 581, 655, 905, 938, 1014, 1054, 1086, 1386,  
 1425, 1727, 2003, 2024, 2114, 2219, 2224, 2320,  
 2402, 2519, 2580, 2630, 2919, 3048, 3083, 3198,  
 3247, 3251, 3388, 3505, 3633, 3656, 3725, 3813,  
 3944, 4134, 4240, 4371, 4396, 4398, 4413, 4435,  
 4502  
 POTASSIUM CHLORIDE: 509, 1732, 2836, 3562  
 POTASSIUM CYANIDE: 1370  
 POTASSIUM DEFICIENCY: 1783  
 POTASSIUM IODIDE: 1900, 2097, 2252, 3829  
 POTENTIOMETRY: 424, 3286, 3919  
 POULTRY DISEASES: 1468, 2134  
 POVIDONE-IODINE: 516, 676, 2419  
 POWDERS: 615  
 PRACTOLOL: 537, 3103, 3465, 3581, 4277  
 PRADER-WILLI SYNDROME: 3034  
 PRASEODYMIUM: 3181  
 PREALBUMIN: 796, 2749, 2809  
 PREANESTHETIC MEDICATION: 2196, 4189  
 PRECARIOUS CONDITIONS: 177, 2342,  
 2501, 2952, 3589, 4300  
 PRECIPITATION: 602, 4020  
 PRECIPITIN TESTS: 565, 1201, 1440, 3652,  
 3836, 3897, 3966  
 PREDATORY BEHAVIOR: 2507  
 PREDIABETIC STATE: 2720  
 PREDNISOLONE: 11, 39, 48, 94, 104, 444, 542,  
 598, 638, 716, 1073, 1099, 1152, 1271, 1347, 1376,  
 1419, 1477, 1516, 1571-1572, 1580, 1593, 1777,  
 1808, 1868, 2021, 2186, 2324, 2347, 2359, 2386,  
 2440, 2446, 2462, 2564, 2652-2653, 2721, 2763,  
 2792, 2889, 2979, 2982, 3127, 3142, 3149, 3164,  
 3464, 3486, 3684, 3904, 4077, 4097, 4202, 4238,  
 4382, 4397-4398, 4403, 4422  
 PREDNISOLONE, TOPICAL: 173, 506  
 PREDNISONE: 159, 278, 510, 524, 558, 564, 573,  
 696, 752, 874, 911, 954-955, 999, 1108, 1162,  
 1249, 1304, 1320, 1381, 1415, 1489, 1502, 1605,  
 1638, 1731, 1918, 1981, 2028, 2049, 2090, 2157,  
 2207, 2247, 2279, 2300, 2324, 2520, 2617, 2629,  
 2699, 2815, 2845, 3055, 3090, 3230, 3329, 3410,  
 3443, 3445, 3456, 3576, 3647, 3664, 3764, 3816,  
 3828, 3912, 3948, 3962, 3969, 4139, 4185, 4253,  
 4290, 4346, 4348, 4433, 4482  
 PRE-ECLAMPSIA: 171, 1403  
 PREGNADIENEDOLS: 1169, 3902  
 PREGNADIENES: 757, 1653-1654, 2211, 3165  
 PREGNANCY: 3, 10-11, 37, 60, 71, 75, 78, 80,  
 87, 109-110, 115, 129, 138, 168, 171, 177, 180,  
 184, 187, 190, 192, 204-205, 207, 215, 229, 236,  
 238, 250, 263-264, 280, 283, 289, 326, 331-332,  
 335, 365, 386, 403, 418, 422, 432, 451, 463, 477,  
 490, 493, 496, 530, 539, 541, 543-544, 550, 581,  
 604-605, 619, 622-623, 645, 673-675, 689, 691,  
 693, 704, 707, 717, 723, 728, 766, 770-771, 778,  
 784, 787, 799, 809, 814, 820-821, 823, 860, 865,  
 886, 924, 932, 938, 963, 975, 998, 1000, 1011,  
 1063, 1076, 1080, 1089, 1119, 1136, 1153, 1191,  
 1205, 1212, 1227, 1278, 1321, 1333-1334,  
 1358-1359, 1393, 1403, 1406, 1417, 1431,  
 1435-1436, 1451, 1463, 1473, 1491, 1507, 1513,  
 1515, 1518, 1532, 1536, 1556, 1566, 1571, 1577,  
 1585-1586, 1589, 1608, 1611, 1614, 1626, 1641,  
 1643, 1646, 1648, 1654, 1666, 1706, 1708, 1748,  
 1767, 1779, 1782, 1785, 1788, 1831, 1867, 1875,  
 1882, 1889, 1914, 1924-1925, 1929, 1945, 1957,  
 1970, 1983, 1996, 2001, 2014, 2037, 2040, 2051,  
 2053, 2078, 2098, 2104, 2107, 2125, 2127, 2146,  
 2153, 2194, 2213, 2220, 2244, 2249, 2260, 2269,  
 2289, 2293-2294, 2296, 2298, 2315, 2336,  
 2342-2343, 2348, 2359, 2390, 2393, 2433-2434,  
 2450, 2459, 2464, 2466, 2478, 2510, 2514,  
 2517-2518, 2534, 2544, 2572-2573, 2590-2591,  
 2604, 2645, 2649, 2658, 2662, 2667, 2674, 2680,  
 2685, 2693, 2705-2706, 2713, 2726, 2730, 2751,  
 2754, 2759, 2763, 2766, 2773, 2786, 2833, 2852,  
 2864, 2873, 2935-2936, 2947, 2956, 2970, 2999,  
 3012, 3030, 3040, 3050, 3058, 3066, 3070,  
 3084-3085, 3107, 3117, 3119, 3125, 3144-3145,



# SUBJECT INDEX

- 3176, 3188-3189, 3210, 3223, 3226, 3228-3229, 3252, 3255, 3277, 3282, 3288, 3302-3303, 3307-3308, 3323, 3327, 3329-3330, 3334, 3343, 3361, 3386, 3399, 3403, 3417, 3426, 3432, 3435, 3438, 3451, 3462, 3466, 3489, 3521, 3529, 3545, 3568, 3588, 3608, 3616, 3645-3646, 3654, 3665, 3671, 3695, 3702, 3710, 3715, 3734-3736, 3750-3751, 3779, 3788, 3790, 3797-3798, 3800, 3841, 3850, 3858, 3861, 3868, 3881, 3884, 3889, 3894, 3911, 3913, 3930, 3967, 3970, 3981-3982, 3985, 4007-4008, 4029, 4032, 4041-4042, 4053, 4057, 4067, 4107, 4117, 4137, 4156, 4162, 4172, 4181, 4183, 4212, 4222, 4262, 4300-4302, 4315, 4320-4321, 4337-4339, 4345, 4347, 4373, 4375, 4380, 4437, 4449-4450, 4467, 4470, 4478, 4486, 4501, 4518
- PREGNANCY, ABDOMINAL:** 3327
- PREGNANCY, ANIMAL:** 80, 236, 283, 619, 675, 1063, 1518, 1785, 1875, 2127, 2194, 2645, 2680, 2833, 2999, 3066, 3188, 3223, 3616, 3695, 4008, 4315
- PREGNANCY COMPLICATIONS:** 3, 60, 171, 463, 1011, 1153, 1403, 1515, 1566, 1925, 1929, 1957, 2001, 2053, 2213, 2336, 2466, 2649, 2662, 2667, 2693, 3226, 3302, 3529, 3588, 3646, 3861, 3894, 4042, 4172, 4320, 4373, 4450
- PREGNANCY COMPLICATIONS, CARDIOVASCULAR:** 1125, 1611, 2685, 4302
- PREGNANCY COMPLICATIONS, HEMATOLOGIC:** 11, 168, 530, 1571, 2763, 4449
- PREGNANCY COMPLICATIONS, INFECTIOUS:** 2478
- PREGNANCY, ECTOPIC:** 2220
- PREGNANCY IN ADOLESCENCE:** 1556
- PREGNANCY IN DIABETES:** 171, 331, 1153, 1403, 2434, 3466, 4437
- PREGNANCY MAINTENANCE:** 1996
- PREGNANCY, MULTIPLE:** 1403, 3911, 4450
- PREGNANCY, PROLONGED:** 2001, 3226
- PREGNANCY TESTS:** 2298, 3665, 3841, 3894, 4450
- PREGNANCY TESTS, IMMUNOLOGIC:** 4162
- PREGNANCY TOXEMIAS:** 1321, 2053, 2433, 2706, 3107
- PREGNANCY TRIMESTER, FIRST:** 168, 674, 865, 1321, 1358, 2573, 2763
- PREGNANCY TRIMESTER, SECOND:** 11, 823, 1076, 1358, 3050, 3588
- PREGNANCY TRIMESTER, THIRD:** 187, 1321, 1614, 1782, 1925, 1929, 2078, 2390, 2434, 2517, 2751, 3107
- PREGNANCY, TUBAL:** 493, 3327
- PREGNANEDIOL:** 2713
- PREGNANEDIONES:** 634, 777, 906, 4272
- PREGNANES:** 187
- PREGNANEDIONES:** 1169
- PREGNENES:** 35, 876, 4386
- PREGNENOLONE:** 32, 403, 1567, 1618, 1662, 1738, 2067, 2513, 2568, 2882, 3102, 3191, 3442, 3471, 4006, 4270
- PREGNENOLONE CARBONITRILE:** 1561, 2622
- PRELEUKEMIA:** 2399
- PREMARIN:** 49, 1382, 2014
- PREMEDICATION:** 490, 640, 768, 1023, 1182, 1367, 1992, 2690, 2745, 3512, 3724, 4029
- PREMENSTRUAL TENSION:** 60, 299, 623, 2160, 3814
- PRENATAL DIAGNOSIS:** 60, 1586, 1646, 2688, 2726, 2766, 2940, 3117
- PRENIDATION PHASE, ANIMAL:** 1785, 3736
- PRENYLAMINE:** 2725
- REOPERATIVE CARE:** 4, 103, 252, 792, 917, 940, 1026, 1229, 1360, 1632, 1894, 1976, 1992, 2697, 2716, 3984
- REOPTIC AREA:** 77, 87, 411, 436, 1193, 1424, 1480, 1770, 1818, 1851, 1903, 2026, 2410, 2522, 2702, 2770, 2960, 4166
- RESERVATION, BIOLOGICAL:** 1557, 1643
- RESSORECEPTORS:** 1124, 1709
- RESSURE:** 820, 1027, 1174, 2649, 3869, 4283
- RILOCAINE:** 1361
- RIMAQUINE:** 1872
- RIMATES:** 3233
- RIMIDONE:** 1183, 4382
- RISONERS:** 4173
- ROBABILITY:** 2586
- ROBENECID:** 379, 3208, 4147
- ROCAINAMIDE:** 1052, 1778, 3948
- PROCAINE:** 686, 2024, 2919
- PROCARBAZINE:** 524, 955, 1638, 2190, 2279, 3410, 3816, 4433
- PROCHLORPERAZINE:** 2280
- PROCOLLAGEN:** 1259
- PROESTRUS:** 157, 670, 733, 1603, 2200, 2552
- PROGERIA:** 123, 1689
- PROGESTATIONAL HORMONES:** 274, 465, 1308, 1885, 2532, 3019, 3176, 4053, 4183
- PROGESTATIONAL HORMONES, SYNTHETIC:** 769, 2046, 2189, 3426, 3685, 4089, 4507
- PROGESTERONE:** 15, 156, 161, 175, 184, 205, 229, 241, 259, 522, 543-544, 550, 586, 592, 605, 612, 614, 623, 674, 750, 817, 821, 854, 873, 897, 909, 993, 1063, 1118, 1159, 1164, 1197, 1217, 1219-1220, 1224, 1348, 1358, 1417, 1507, 1549, 1567, 1601-1602, 1618, 1738, 1774, 1776, 1790, 1943, 1953-1954, 1996, 2015, 2044, 2067, 2074, 2163, 2175, 2189, 2231-2232, 2245-2246, 2260-2261, 2271, 2276, 2296, 2333, 2344, 2450, 2454, 2463, 2513, 2572, 2649, 2678, 2698, 2714, 2759, 2790, 2796, 2849, 2852, 2881-2882, 2947, 2956, 2982, 3019, 3085, 3106, 3186, 3191, 3206, 3223, 3229, 3347, 3359, 3472, 3536, 3551, 3585, 3606, 3619, 3657-3658, 3727, 3735-3736, 3770, 3788, 3810, 3842, 3850, 3861, 3889, 3952, 3983, 4027, 4060, 4110, 4148, 4174, 4183-4184, 4190, 4198, 4222, 4297, 4319, 4380, 4386, 4456, 4458-4459, 4523
- PROGESTERONE REDUCTASE:** 1618, 2189
- PROGNOSIS:** 275, 329, 513, 573, 578, 599, 755, 954, 1047, 1065, 1208, 1246, 1249, 1273, 1439, 1482, 1492, 1539, 1542, 1594, 1636, 1886, 1918, 1968, 2053, 2076-2077, 2111, 2203, 2277, 2283, 2408, 2417, 2426, 2470, 2473, 2504, 2841, 3065, 3145, 3232, 3345, 3426, 3430, 3578, 3720, 3864, 3906, 4139, 4260, 4302, 4348, 4510
- PROINSULIN:** 913, 1656, 3637
- PROLACTIN:** 10, 105, 107, 116-117, 161, 201, 207, 233, 241, 310, 314, 395, 422, 469, 479, 490, 515, 556, 595, 611, 623, 629, 649, 667, 704-705, 732-733, 746, 790, 809, 814-816, 825, 827, 888, 922, 935-936, 968, 1000, 1089, 1122, 1148, 1170, 1205, 1229, 1348, 1393, 1395, 1400, 1488, 1490, 1498, 1557, 1608, 1812, 1861, 1864, 1867, 1877, 1890, 1921, 1943, 1953, 1961, 1985, 1997-1998, 2019, 2039, 2098, 2125, 2142, 2153, 2183, 2246, 2253, 2270, 2275, 2278, 2280, 2298, 2315, 2371, 2381, 2400, 2425, 2457, 2477, 2479, 2482, 2497, 2510, 2530, 2533, 2544, 2618, 2627, 2680, 2689-2692, 2776, 2788, 2833, 2854, 2857, 2910, 2922, 2948, 2951, 3043, 3064, 3070, 3111, 3137, 3163, 3253, 3265, 3282, 3328, 3347, 3389, 3433, 3531, 3546, 3551, 3565, 3607, 3610, 3617, 3648, 3675, 3790-3791, 3796, 3847, 3858, 3860, 3884, 3914, 4007, 4015, 4143, 4146, 4190, 4212, 4261, 4282, 4285, 4300, 4326, 4350, 4377, 4383-4384, 4519
- PROLACTIN RELEASE INHIBITING HORMONE:** 394, 469, 552, 1867, 2270, 2298, 4129
- PROLACTIN RELEASING HORMONE:** 394, 469, 552, 800, 3970
- PROLAPSE:** 2427, 2936
- PROLINE:** 529, 747, 1101, 2174, 2969, 3058, 4210
- PROLINE HYDROXYLASE:** 80, 2969
- PROMETHAZINE:** 82, 667
- PROPANIDAZ:** 295, 634, 906, 4492
- PROPANOLAMINES:** 1080, 2488, 3702, 3987, 4277
- PROPANTHELINE BROMIDE:** 851
- PROPHASE:** 1679
- PROPIONIBACTERIUM ACNES:** 84, 829
- PROPANOLOL:** 17, 237, 244, 360, 405, 537-538, 887, 1054, 1231, 1354, 1366, 1441, 1569, 1599, 1621, 1632, 1642, 1697, 1795, 1823, 1845, 1955, 1976, 2024, 2081, 2188, 2346, 2459, 2488, 2538-2539, 2660, 2721, 2799, 2814, 3371, 3581, 3668, 4017, 4277, 4497
- PROPRIOCEPTION:** 1647
- PROPYLTHIOURACIL:** 204, 341, 989, 1017, 2013, 2327, 2362, 3148, 3645, 3791, 4203, 4356
- PROSPECTIVE STUDIES:** 475, 590, 999, 1695, 1740, 2419, 3417, 3545, 3750
- PROSTAGLANDIN ANTAGONISTS:** 523, 1071, 1551, 2651, 2911, 4414
- PROSTAGLANDIN ENDOPEROXIDES:** 1071, 1155, 1401, 1447, 2590, 2777, 2844, 3309, 4156
- PROSTAGLANDIN SYNTHASE:** 237, 1298, 2911, 3179, 3915
- PROSTAGLANDINS:** 73, 99, 112, 192, 216, 274, 311, 335, 342, 422, 437, 456, 485, 489, 523, 545, 601, 669, 671, 741-742, 805, 811, 820, 854, 879, 895, 971, 1013, 1041, 1071, 1100, 1155-1156, 1174, 1195, 1216, 1218, 1225, 1261, 1298, 1390, 1423, 1495-1496, 1538, 1551, 1583, 1590, 1670-1672, 1693, 1749-1750, 1821, 1909, 1934, 1983, 1990, 2041, 2094, 2102, 2113, 2150, 2229, 2256, 2291, 2348, 2361, 2364-2365, 2415, 2479, 2498, 2503, 2517, 2580, 2590, 2740, 2748, 2756, 2777, 2844, 2848, 2856, 2870, 2911, 2988, 2992, 2994, 3053, 3086-3087, 3110, 3160, 3179, 3210, 3309, 3317, 3330, 3332, 3441-3442, 3526, 3569, 3744, 3757, 3838, 3915-3916, 3959-3961, 3993, 3999, 4031, 4102, 4127, 4156, 4278, 4317-4318, 4364, 4414, 4464, 4515
- PROSTAGLANDINS A:** 311, 1041, 1064, 1750, 2181
- PROSTAGLANDINS B:** 1750
- PROSTAGLANDINS D:** 99, 669, 2113, 3053, 4102
- PROSTAGLANDINS E:** 95, 311, 342, 407, 446, 561, 669, 727, 742, 764, 805, 1064, 1081, 1096, 1140, 1174, 1225, 1271, 1373, 1390, 1404, 1423, 1447, 1563, 1578, 1671, 1693, 1750, 1934, 2094, 2113, 2204, 2253, 2450, 2479, 2498, 2505, 2539, 2580, 2636, 2651, 2842, 2859, 2988, 3048, 3053, 3076, 3086-3087, 3179, 3275, 3309, 3324, 3442, 3750, 3863, 3916, 3950, 3961, 3998-3999, 4031, 4102, 4227, 4239-4240, 4259, 4278, 4318, 4402, 4408, 4435, 4457
- PROSTAGLANDINS E, SYNTHETIC:** 342, 2505, 2572, 3295, 3742
- PROSTAGLANDINS F:** 236, 311, 342, 561, 614, 635, 653, 669, 742, 821, 1063, 1220, 1549, 1578, 1671, 1693, 1750, 1943, 2091, 2094, 2113, 2450, 2479, 2498, 2503, 2651, 2852, 2856, 3017, 3048, 3050, 3053, 3076, 3087, 3179, 3223, 3277, 3324, 3442, 3863, 3916, 4031, 4102, 4278, 4311, 4435, 4457
- PROSTAGLANDINS F, SYNTHETIC:** 1278, 1904, 2573, 3053, 3588, 3788, 3810, 4318
- PROSTAGLANDINS G:** 1447
- PROSTAGLANDINS H:** 1447, 2590, 3110, 3309, 3757
- PROSTAGLANDINS, SYNTHETIC:** 1909, 4317
- PROSTAGLANDINS X:** 545, 669, 671, 742, 805, 1100, 1174, 1225, 1390, 1495-1496, 1590, 1670-1672, 1693, 1909, 1934, 1990, 2041, 2361, 2503, 2580, 2590, 2777, 2844, 2911, 3053, 3086-3087, 3210, 3332, 3744, 3757, 3959-3961, 4156, 4317-4318, 4364, 4515
- PROSTATE:** 131, 410, 779, 848, 857, 1179, 1488, 1662, 1717, 1862, 2129, 2316, 2323, 2376, 3335, 3780, 3847, 3852-3853, 4141, 4350, 4372, 4400
- PROSTATECTOMY:** 1515, 3001
- PROSTATIC DISEASES:** 2958
- PROSTATIC HYPERTROPHY:** 957, 1350, 1567, 3760
- PROSTATIC NEOPLASMS:** 81, 638, 957, 1245, 1350, 1443, 1515, 1519, 1521, 1567, 1617, 1650, 1835, 1861-1862, 1973, 2234, 2281, 2730, 3243, 3508, 4003, 4106, 4282, 4350
- PROSTATITIS:** 1825
- PROSTHESIS:** 2966, 3833
- PROTAMINES:** 486
- PROTEASE INHIBITORS:** 140-141, 282, 308, 2235, 3953
- PROTEIN BINDING:** 29, 151, 166, 262, 289, 307, 557, 946, 988, 1003, 1008, 1083, 1163, 1173, 1183, 1230, 1528, 1701, 1897, 2039, 2100, 2224, 2297, 2301, 2453, 2526, 2727, 2845, 2917, 2972, 2978, 3056, 3102, 3125, 3286, 3448, 3468, 3482, 3644, 3661, 3700, 3722, 3752, 3778, 3901, 3952, 3986, 4022, 4096, 4150, 4325, 4397, 4477, 4517
- PROTEIN-BOUND IODINE TEST:** 645, 1183, 1815, 2254, 2393, 2945, 3422, 3476, 4030
- PROTEIN-CALORIE MALNUTRITION:** 1176, 1681, 1891, 2313, 2562, 3847, 4521
- PROTEIN CONFORMATION:** 93, 358, 1018, 1203, 2244, 2654, 3585, 3650, 3817, 3952, 3992
- PROTEIN DEFICIENCY:** 239
- PROTEIN HYBRIDIZATION:** 2380
- PROTEIN KINASE:** 132, 263, 415, 692, 699, 756, 1001, 1008-1010, 1013, 1202, 1230, 1791, 1897, 1966, 2005, 2085, 2182, 2225, 2376, 2432, 2547, 2561, 2637, 3217, 3281, 3325, 3331, 3375, 3574



# SUBJECT INDEX

3692, 3711, 4072, 4084, 4096, 4252, 4281, 4367, 4448, 4487  
 PROTEIN O-METHYLTRANSFERASE: 443  
 PROTEIN PRECURSORS: 365, 1533, 1547, 2244, 2292, 3159, 3368, 4288  
 PROTEINS: 91, 135, 239, 258, 323, 461, 618, 654, 675, 812, 924, 992, 1057, 1101, 1176, 1263, 1269, 1386, 1669, 1781, 1875, 1989, 2155, 2323, 2416, 2622, 2739, 2822, 2881, 2943, 3069, 3269, 3274, 3372, 3562, 3670, 3742, 3778, 4043, 4152, 4176, 4216  
 PROTEINURIA: 2130, 2247, 4028  
 PROTEOLIPIDS: 1103  
 PROTEOLIPIDS: 1103  
 PROTEUS INFECTIONS: 1580  
 PROTEUS MIRABILIS: 1580  
 PROTHIONAMIDE: 2211  
 PROTHROMBIN: 2156, 2917  
 PROTHROMBIN TIME: 1496  
 PROTONS: 1479, 2035, 3286, 3292  
 PROTOPORPHYRINS: 1150  
 PROTRIPTYLINE: 1281, 2083  
 PRURITUS: 1820, 2625  
 PSEUDARTHROSIS: 2318, 4178  
 PSEUDOHERMAPHRODITISM: 251, 2350, 3425, 3437, 3514, 3639  
 PSEUDOHYPARATHYROIDISM: 3004  
 PSEUDOMONAS AERUGINOSA: 676, 1372  
 PSEUDOMONAS INFECTIONS: 3150  
 PSEUDOPREGNANCY: 614, 1288, 1549, 1997, 3223, 3735  
 PSEUDOPSEUDOHYPARATHYROIDISM: 3004  
 PSEUDOTUBERCULOSIS, YERSINIA: 2567  
 PSEUDOTUMOR CEREBRI: 313  
 PSEUDOXANTHOMA ELASTICUM: 2264  
 PSITTACINES: 862, 2581  
 PSORIASIS: 1264, 1579, 2144, 2426, 2607, 3458, 3902, 4228  
 PSYCHIATRIC STATUS RATING SCALES: 515, 1140, 1490, 1878  
 PSYCHIATRY: 816  
 PSYCHOANALYTIC THERAPY: 309  
 PSYCHOLOGICAL TESTS: 85, 2798  
 PSYCHOMOTOR AGITATION: 2190  
 PSYCHOPATHOLOGY: 309  
 PSYCHOPHYSIOLOGIC DISORDERS: 69, 438, 1192, 1373, 1927, 2571, 2720  
 PSYCHOSES: 302-303, 705, 1513, 3363  
 PSYCHOSES, MANIC-DEPRESSIVE: 213, 479, 682, 969, 1048, 1513, 1879, 2190, 2711, 2840, 4193, 4514  
 PSYCHOSES, ORGANIC: 303, 1253, 1553, 2190, 3834  
 PSYCHOSES, TOXIC: 815, 1552, 1942, 2190, 3182  
 PSYCHOSOCIAL DEPRIVATION: 514  
 PSYCHOSURGERY: 1744  
 PSYCHOTHERAPY: 2798  
 PSYCHOTROPIC DRUGS: 458, 816, 2190, 2439, 2692, 3304  
 PUBERTY: 106, 227, 918, 965, 1248, 2110, 2180, 2215, 2275, 2307, 2923, 2985, 3034-3035, 3206, 3374, 3558, 3665-3666, 3718, 3871, 3893, 4163, 4363  
 PUBERTY, PRECOCIOUS: 1556, 3130, 3389  
 PUBIC SYMPHYSIS: 2525, 4373  
 PUBLIC HEALTH NURSING: 4038  
 PUBLIC OPINION: 2798  
 PUERPERAL DISORDERS: 78, 2466  
 PUERPERIUM: 11, 1417, 2713, 2759, 3070, 3451, 3619  
 PULMONARY ALVEOLI: 2676, 2831, 3150  
 PULMONARY ARTERY: 871, 972  
 PULMONARY CIRCULATION: 76, 836, 3702  
 PULMONARY EDEMA: 219, 1080, 1693, 2862, 3313, 3911  
 PULMONARY EMBOLISM: 3015, 3526  
 PULMONARY FIBROSIS: 2676, 3969, 4346  
 PULMONARY SURFACTANT: 207, 787  
 PULMONARY VALVE STENOSIS: 3157  
 PULSE: 903, 1030, 1878-1879, 4134  
 PUNCTURES: 4480  
 PUPA: 3375  
 PURINE NUCLEOTIDES: 620  
 PURINES: 620, 3948  
 PURKINJE CELLS: 1349, 3312  
 PURKINJE FIBERS: 4090  
 PUROMYCIN: 618, 1334, 1989, 2155, 2167, 2174  
 PURPURA: 3267, 4231

PURPURA, THROMBOPENIC: 4290, 4403  
 PUTAMEN: 1898, 3602  
 PUTRESCINE: 3458  
 PYELONEPHRITIS: 1962, 2603, 2661, 2976  
 PYLORIC ANTRUM: 2292, 3507, 3935  
 PYODERMA: 88  
 PYRAMIDAL TRACTS: 3900  
 PYRAN COPOLYMER: 84  
 PYRAZINES: 736  
 PYRETHRINS: 52  
 PYRIDINES: 819, 1188, 2320, 2994, 3058, 3100, 3488  
 PYRIDOXAL PHOSPHATE: 718  
 PYRIDOXINE: 843, 1605, 2399, 3163, 3586  
 PYRIDOXINE DEFICIENCY: 307  
 PYRILAMINE: 2365  
 PYRIMIDINE DIMERS: 3953  
 PYRIMIDINES: 528, 4124  
 PYRITHIAMINE: 3195  
 PYROGALLOL: 353-355  
 PYROGENS: 340, 624, 2620, 2670, 4046  
 PYROGLUTAMATE AMINOPEPTIDASE: 4005  
 PYROPHOSPHATES: 806, 846, 4083  
 PYRROLIDINES: 258, 367, 370, 897, 2593, 3234  
 PYRROLIDINONES: 3263  
 PYRROLIZIDINE ALKALOIDS: 2229  
 PYRUVALDEHYDE: 3458  
 PYRUVATE DEHYDROGENASE COMPLEX: 263  
 PYRUVATE DEHYDROGENASE PHOSPHATASE: 263  
 PYRUVATE KINASE: 1231, 1389, 2698, 4136, 4366  
 PYRUVATES: 98, 2071, 2307, 3178, 3479, 4189

## Q

QUADRIPLEGIA: 2962  
 QUAIL: 159, 201, 1591, 1895, 2134, 2581, 3955  
 QUALITY CONTROL: 292, 3305  
 QUINACRINE: 982  
 QUINESTROL: 3070  
 QUINIDINE: 2459, 3647, 3948  
 QUINOLINES: 2360  
 QUINOLINUM COMPOUNDS: 3114, 3829  
 QUINUCLIDINES: 1028, 2526  
 QUIPAZINE: 626, 746, 2545

## R

R 2323: 75  
 RABBITS: 17, 74, 110, 127, 148, 153, 184, 207, 255, 265, 270, 307, 311, 393, 446, 452, 545, 547, 614, 624, 646-648, 657, 699, 787, 793, 869, 887, 895, 898, 904, 948, 962, 1008, 1020, 1038, 1053, 1087, 1111, 1113, 1124, 1128, 1135, 1171, 1178, 1184-1185, 1218, 1228, 1282, 1298, 1346, 1361, 1385, 1429, 1452, 1491, 1537, 1551, 1564, 1574, 1613, 1620, 1645, 1670, 1706, 1708, 1758, 1818, 1838, 1874, 1876, 1893, 1914, 1969, 1980, 2041-2042, 2065, 2085, 2115, 2223, 2240, 2257, 2291, 2297, 2337, 2349, 2364-2365, 2440, 2449, 2464, 2494, 2528, 2545, 2548, 2589, 2610, 2670, 2678, 2764, 2777, 2835, 2887, 2930, 2999, 3011, 3023, 3067, 3075, 3081, 3089, 3134, 3193, 3223, 3247, 3259, 3285, 3291, 3306, 3309, 3324, 3338, 3370, 3392, 3485, 3521, 3574, 3577, 3583, 3601, 3626, 3656, 3672-3673, 3686, 3735-3736, 3759, 3813, 3823, 3863, 3896, 3916-3917, 3935, 3964, 3971, 3987, 3998, 4035, 4072, 4098, 4125, 4166, 4207, 4242, 4277-4278, 4285, 4292, 4312, 4364, 4375, 4406, 4447, 4497  
 RADIATION: 2586  
 RADIATION CHIMERA: 2989  
 RADIATION DOSAGE: 208, 312, 1461, 2487, 3840, 4376  
 RADIATION EFFECTS: 4376  
 RADIATION INJURIES: 108, 312, 1638, 2048, 2279, 3154, 3242, 3352, 3431, 3584, 3728, 4260  
 RADIATION INJURIES, EXPERIMENTAL: 1794, 3773  
 RADIATION, IONIZING: 4008, 4376  
 RADIATION MONITORING: 2018, 4260  
 RADIATION PROTECTION: 208, 312, 1461, 2048, 2487  
 RADIATION-PROTECTIVE AGENTS: 1412  
 RADIATION TOLERANCE: 3699, 4260

RADICAL NECK DISSECTION: 1474  
 RADICULAR CYST: 4417  
 RADIOACTIVE FALLOUT: 108  
 RADIOALLERGOSORBENT TEST: 696  
 RADIOADERMATITIS: 3431  
 RADIOGRAPHIC IMAGE ENHANCEMENT: 3832  
 RADIOGRAPHIC MAGNIFICATION: 3392  
 RADIOGRAPHY: 108, 312  
 RADIOIMMUNOASSAY: 7, 117, 190, 210, 256, 272, 292, 298, 462, 485, 502, 569, 630, 635, 746, 771, 782, 813, 855, 921, 1043, 1045, 1082, 1110, 1136, 1166, 1168, 1417, 1488, 1536, 1603, 1622, 1624, 1651, 1690, 1814-1815, 1822, 1824, 1829, 1886, 1892-1893, 1895, 1921, 1969, 2104, 2123, 2136, 2138, 2220, 2260, 2297, 2388, 2421, 2431, 2433, 2440, 2530, 2573, 2609, 2628, 2729, 2752, 2754, 2774, 2796, 2819, 3156, 3165, 3247, 3252, 3298, 3305, 3357, 3369, 3386, 3429, 3462, 3481, 3489, 3537, 3601, 3652, 3662, 3817, 3842, 3920, 3925, 3930, 3974, 3988, 3995, 4031, 4122, 4127, 4243, 4308, 4321, 4325, 4338, 4391-4392, 4405, 4424, 4491, 4498  
 RADIOISOTOPE DILUTION TECHNIC: 3165, 3346  
 RADIOISOTOPE RENOGRAPHY: 3320  
 RADIOISOTOPE TELETHERAPY: 81, 2111, 4215  
 RADIOISOTOPES: 72, 371, 1150, 1698, 1853, 2492, 4237  
 RADIOLIGAND ASSAY: 190, 1136, 1609-1610, 2030, 2104, 2380, 2526, 3252, 3305, 3534  
 RADIOMETRY: 508, 2487  
 RADIONUCLIDE IMAGING: 225, 1305  
 RADIOTHERAPY: 92, 108, 371, 579, 1109, 1636, 2131, 2147, 2492, 2663, 3322, 3431, 3728, 3837, 4490  
 RADIOTHERAPY DOSAGE: 149, 371, 681, 791, 2063, 2131, 2147, 3154, 3322, 3352, 3431, 3837, 4215, 4233, 4260  
 RADIOTHERAPY, HIGH ENERGY: 867, 1097-1098, 1214, 2063, 2279, 2596, 3154, 3322, 3410, 4260  
 RADIUS: 51, 2345  
 RADIUS FRACTURES: 2913  
 RAGE: 2435  
 RANA: 2067, 3631, 4440  
 RANA CATESBEIANA: 201, 2067  
 RANA ESCULENTA: 442, 2067, 2739  
 RANA PIPIENS: 833, 1055, 1475, 1727, 2476, 2928  
 RANA TEMPORARIA: 2612, 2869, 3136  
 RANDOM ALLOCATION: 1504, 1777  
 RANVIER'S NODES: 442  
 RAPE: 3710  
 RAPHE NUCLEI: 145, 238, 520, 1182, 1292, 1719, 2331, 2358, 2445, 2522, 2605, 2623, 2655, 3390, 3434, 4175, 4271  
 RATS: 4, 7, 14, 16, 22, 27-29, 32, 40, 44, 46-47, 50, 52, 57, 70, 74, 77, 80, 82, 87, 95, 98, 100-101, 105, 114-115, 124-125, 127, 131, 138, 144-145, 153, 156-157, 160-161, 165-166, 170, 172, 174-175, 177-179, 182, 188, 195, 204, 215, 223, 226, 229, 232, 235, 238, 243-244, 254, 258, 261, 263-264, 267, 281, 283, 290, 300, 307, 317, 324, 327, 334, 336, 341-342, 345, 360-361, 367-370, 373-374, 380, 389-392, 408-409, 411, 413, 415, 439, 450, 458-459, 461, 464, 467, 472, 480, 482-484, 486-488, 490-492, 500-501, 504, 506-508, 517, 519-520, 522, 535, 539-540, 548, 553-554, 561, 563, 585, 600, 608, 610, 612, 616, 618, 620, 622, 625-627, 632, 651, 656, 660-661, 666, 679, 684-687, 690, 692-695, 701-702, 718, 721, 725, 727, 733-738, 740, 746-747, 759-760, 764-765, 767-768, 773, 776-777, 780-781, 784, 795, 800-801, 805, 810-813, 817-818, 821-822, 827, 837-839, 848, 850, 852-853, 856, 858-859, 861, 872, 881, 883, 885, 887, 889, 891, 902, 904, 907, 915, 926, 928-929, 935-937, 939, 946, 950, 953, 958, 964-965, 970, 972, 976, 980, 987-988, 990-992, 1002, 1012, 1014, 1028, 1039, 1041, 1045-1046, 1049-1050, 1052, 1056, 1059, 1067, 1079, 1081, 1084, 1086, 1095, 1101, 1128, 1139, 1143, 1147, 1158, 1165-1167, 1172, 1174, 1179, 1182, 1188, 1193, 1207, 1212, 1217, 1222, 1225, 1231-1232, 1238, 1244-1245, 1247-1248, 1251, 1254-1255, 1262-1263, 1267, 1269, 1271, 1279, 1281-1282, 1287-1289, 1292, 1303, 1315, 1317-1319, 1322-1323, 1325-1326, 1329-1330, 1334, 1338-1340, 1344, 1348-1349, 1364,



# SUBJECT INDEX

- 368-1369, 1387, 1390, 1392, 1396-1397, 1405, 1409-1410, 1414, 1422, 1426, 1428-1429, 1437, 1440-1441, 1455, 1465, 1470, 1477-1478, 1480, 1484-1485, 1487-1488, 1491, 1495, 1497-1499, 1502, 1505, 1508, 1514, 1525, 1528, 1535, 1537, 1545, 1549-1550, 1555, 1561, 1563, 1572, 1581, 1587-1588, 1590, 1595, 1597, 1601-1603, 1607-1609, 1620-1622, 1626, 1629, 1634-1635, 1642, 1645, 1647, 1656, 1661-1662, 1665-1666, 1669, 1671, 1673, 1679, 1685, 1690, 1694, 1696, 1700, 1704-1705, 1707, 1709, 1713, 1715, 1717, 1719, 1721-1722, 1724, 1741, 1746, 1757-1758, 1760-1761, 1764, 1766, 1770-1771, 1775, 1785, 1788, 1791-1792, 1798-1799, 1802, 1816, 1826, 1831-1832, 1834-1835, 1840, 1846, 1848-1849, 1851-1853, 1856, 1869, 1871-1872, 1892-1893, 1895-1896, 1898, 1903, 1916-1917, 1919, 1933, 1936, 1946, 1951, 1953-1954, 1960, 1965-1966, 1972, 1984, 1991, 1995-1999, 2008, 2011-2013, 2015-2016, 2020, 2022, 2033, 2036, 2040, 2044, 2047, 2054, 2059, 2068, 2070-2071, 2080, 2082-2083, 2085-2089, 2094, 2100, 2108, 2113, 2119, 2121, 2129, 2132-2133, 2141, 2145, 2154-2156, 2161, 2164, 2171, 2173, 2177-2178, 2184, 2189, 2191, 2193-2194, 2199, 2201, 2205, 2209-2210, 2223-2224, 2229-2231, 2233, 2242-2243, 2262, 2266-2268, 2276, 2288, 2292, 2301, 2304, 2311, 2313, 2319-2320, 2323, 2328, 2333, 2337-2339, 2344, 2358, 2361, 2367, 2371, 2376-2381, 2389, 2396-2397, 2403, 2416, 2420, 2424, 2429-2430, 2432, 2445, 2448, 2450, 2457, 2461, 2468, 2471, 2490, 2494, 2499-2500, 2507-2508, 2510, 2512, 2514, 2518, 2522, 2525-2526, 2542-2543, 2545, 2547, 2558, 2562, 2568, 2571, 2577, 2580, 2582-2583, 2593, 2598, 2601-2603, 2606, 2608-2609, 2620-2623, 2633-2634, 2636, 2639, 2642, 2655, 2666, 2671, 273-2675, 2679-2681, 2690-2692, 2694, 2696, 2700, 2705, 2725, 2731, 2733, 2735, 2740, 2742, 2746, 2748, 2756, 2762, 2770, 2775-2777, 2782, 2785, 2788, 2790, 2796, 2802, 2805, 2807-2808, 2817, 2830, 2836-2837, 2842, 2849, 2853, 2857, 2860, 2863, 2866-2867, 2871, 2876, 2883-2884, 2890, 2896, 2902, 2906-2908, 2912, 2916, 2920, 2922, 2933, 2938, 2944, 2955-2956, 2958, 2960, 2975, 2984, 2986-2987, 2990-2991, 2998-3000, 3006-3007, 3014, 3023, 3025, 3052, 3058, 3060-3061, 3063, 3066, 3075, 3086-3087, 3089, 3096, 3098, 3100, 3108, 3110, 3114, 3118, 3122-3133, 3147-3148, 3152, 3155, 3158-3159, 3161, 3193, 3195-3196, 3201-3202, 3207, 3211-3212, 3215-3216, 3221, 3224, 3234, 3241, 3247, 3251, 3254, 3259, 3263, 3266, 3268-3269, 3274, 3279, 3283, 3285, 3291-3292, 3294, 3296-3297, 3303-3304, 3308, 3312, 3314, 3316-3317, 3326, 3335, 3353, 3358-3359, 3365, 3371, 3379-3380, 3387, 3390, 3396, 3398, 3401, 3405, 3412, 3419, 3422, 3427, 3429, 3435-3436, 3438, 3452, 3460, 3468, 3471, 3477, 3479, 3487, 3491, 3495-3496, 3502, 3507, 3516-3518, 3520, 3522, 3528, 3533, 3543, 3554, 3563, 3568, 3571-3572, 3579-3580, 3586-3587, 3594, 3602, 3610, 3612, 3627, 3630, 3634, 3636-3638, 3641, 3644, 3648, 3655, 3661, 3667-3669, 3675-3676, 3684, 3687, 3692, 3701, 3708, 3712, 3715, 3723-3726, 3729, 3731, 3738, 3743, 3747, 3749, 3752, 3756-3757, 3768, 3772, 3775, 3777-3779, 3800-3792, 3794, 3799, 3801-3804, 3807, 3815, 3829, 3839, 3844-3845, 3847, 3852-3853, 3880, 3882-3884, 3886, 3896, 3899-3900, 3914, 3915-3919, 3920, 3924, 3927, 3935, 3938, 3945, 3947, 3950, 3954-3955, 3968, 3970, 3981, 3983, 3986, 3995, 3997, 4000-4002, 4015, 4015-4016, 4018, 4024, 4034, 4046, 4051, 4063-4066, 4076, 4081-4082, 4084-4087, 4103-4104, 4109, 4111, 4113, 4122, 4124, 4127, 4130, 4140-4141, 4144-4145, 4147, 4160, 4176, 4179, 4184, 4188, 4190, 4196-4198, 4206, 4216-4217, 4219, 4222, 4227, 4234, 4239-4240, 4244, 4255, 4258, 4261, 4271, 4285, 4293, 4298, 4303-4304, 4311, 4315, 4318-4321, 4326-4328, 4336, 4349-4350, 4353, 4366, 4375, 4379, 4383-4384, 4387, 4393-4395, 4398, 4400, 4409, 4424, 4430-4434, 4436, 4439, 4444, 4447-4448, 4457, 4465, 4467, 4470, 4479, 4483, 4517
- S, INBRED F344: 936, 4142, 4353  
S, INBRED LEW: 1831, 2837  
S, INBRED STRAINS: 172, 487, 561, 1550, 1704, 2328, 2583, 3061, 3353, 3438, 3915, 3927, 4196, 4298
- RAUWOLFIA ALKALOIDS: 3610  
REACTION TIME: 200, 209, 1189, 1232, 1369, 1467, 1818, 1995, 2095, 2507-2508, 2840, 3049, 3701, 3718, 3723, 3882, 4304  
READING: 3926  
REAGENT KITS, DIAGNOSTIC: 190, 630, 1168, 1822, 1829, 2136, 2138, 2628, 2752, 2945, 3305, 3489, 3537, 3974, 3988, 4489  
RECALL: 85, 2508  
RECEPTORS, ADRENERGIC: 179, 373-376, 452, 459, 481, 490, 633, 816, 1279, 1599, 2338-2339, 2582, 2930, 2987, 3017, 3069, 3169, 3300, 3465, 3603, 4007, 4055, 4079, 4084, 4146, 4294, 4448  
RECEPTORS, ADRENERGIC, ALPHA: 450, 452, 459, 481, 1394, 1599, 2201, 2229, 2339, 2691, 3069, 3212  
RECEPTORS, ADRENERGIC, BETA: 373-376, 450, 481, 633, 1599, 2201, 2338, 2930, 2987, 3212, 4055, 4079, 4084, 4256  
RECEPTORS, ANDROGEN: 61, 63, 869, 957, 1350, 1519, 1717, 1835, 1861, 4141, 4400  
RECEPTORS, ANGIOTENSIN: 32, 452, 547, 690, 760, 1113, 1207, 3723, 4007  
RECEPTORS, CHOLINERGIC: 179, 322, 450, 883, 1318, 2526, 2928, 3063, 3448, 3979, 4007, 4444  
RECEPTORS, CONCANAVALIN A: 1285, 1322, 4380  
RECEPTORS, CYCLIC AMP: 415, 702, 749, 976, 3281  
RECEPTORS, DOPAMINE: 179, 450, 705, 734, 815-816, 866, 968, 1368, 1395, 1400, 1484, 1896, 2030-2031, 2280, 2461, 2582, 2689, 2746, 2910, 2916, 2973, 2986, 3163, 3398, 3465, 3602, 3617, 3669, 3830, 3883, 3914, 4000, 4019, 4035, 4113, 4143, 4369  
RECEPTORS, DRUG: 90, 600, 662, 1257, 1289, 1322, 2266, 2322, 4056, 4230, 4380, 4473  
RECEPTORS, ESTROGEN: 22, 59, 61, 63, 93, 131, 258, 415, 509, 702, 725, 769, 861, 870, 950, 957, 1083, 1179, 1319, 1520, 1673, 1714, 1717, 1835, 1847, 1912, 2006, 2034, 2046, 2058-2059, 2151, 2169, 2235, 2309, 2319, 2326, 2369, 2407, 2453, 2504, 2659, 2698, 2709, 2818, 2833, 2836, 2866, 2924, 3030-3031, 3116, 3137, 3158, 3220, 3308, 3326, 3345-3346, 3373, 3472, 3536, 3623, 3642, 3661, 3703, 3737, 3777, 3994, 4022, 4089, 4184, 4279, 4352, 4354, 4510  
RECEPTORS, GLUCOCORTICOID: 27-28, 44, 57, 61, 63, 188, 289, 466, 570, 718, 802, 1047, 1158, 1251, 1440, 1705, 1734, 1793, 1846, 2408, 2731, 3362, 4170, 4361  
RECEPTORS, HISTAMINE: 2162, 2528, 4009-4010, 4444  
RECEPTORS, HISTAMINE H1: 819, 2162, 2528, 4009-4010  
RECEPTORS, HISTAMINE H2: 819, 2162, 2528, 4010  
RECEPTORS, HORMONE: 140-141, 337, 434, 452, 499, 555, 652, 690, 760, 882, 987-988, 1002, 1055, 1094, 1113, 1144, 1207, 1257, 1479, 1521, 1609, 1781, 1826-1827, 2039, 2060, 2232, 2253, 2270, 2322, 2525, 2550, 2563, 2606, 2647, 2728, 2794-2795, 2797, 2866, 2978, 3056, 3137, 3191, 3442, 3534, 3572, 3723, 3886, 3947, 3979-3980, 4007, 4135, 4401, 4469, 4477  
RECEPTORS, INSULIN: 128, 1673, 3105, 3439, 3811, 4007  
RECEPTORS, MUSCARINIC: 1028, 2526, 3063, 3262, 3759  
RECEPTORS, NARCOTIC: 345, 804, 883, 934, 1511, 1647, 1720, 2061, 2236, 2634, 3379, 3420, 3491, 3716, 3815, 4271  
RECEPTORS, NICOTINIC: 1028, 1318, 2928, 3759  
RECEPTORS, PROGESTERONE: 61, 63, 259, 265, 769, 1714, 1847, 2407, 2504, 3308, 3472, 3585, 3703, 4089, 4174, 4375, 4510  
RECEPTORS, PROSTAGLANDIN: 1071, 4007, 4156  
RECEPTORS, SENSORY: 551, 1313  
RECEPTORS, SEROTONIN: 490, 1279, 1342, 1919, 2083, 2582, 3017, 3304, 3620, 4076, 4125, 4313  
RECEPTORS, STEROID: 27-28, 44, 57, 61, 63, 188, 466, 570, 672, 677, 718, 738, 802, 957, 1047, 1093, 1158, 1251, 1350, 1440, 1519, 1521, 1668, 1705, 1734, 1793, 1801, 1835, 1846, 1999, 2333, 2406-2408, 2494, 3023, 3308, 3346, 3471, 3482, 3644, 4141-4142, 4170, 4361, 4400
- RECOMBINATION, GENETIC: 2356, 3364  
RECRUITMENT (NEUROLOGY): 2784  
RECTAL NEOPLASMS: 757, 3360  
RECTOVAGINAL FISTULA: 4307  
RECTUM: 534, 3275  
RECURRENCE: 11, 154, 494, 571, 682, 702, 981, 999, 1019, 1663, 2007, 2076, 2279, 2360, 2659, 2826, 2858, 2897, 3128, 3154, 3410, 3423, 3478, 3720, 3984, 4083, 4372, 4433  
RECURRENT LARYNGEAL NERVE: 3167  
RED NUCLEUS: 1742  
RED TIDE: 2065  
REFERENCE STANDARDS: 2169  
REFERRAL AND CONSULTATION: 590, 3121  
REFLEX: 104, 671, 881, 1124, 1540, 2349, 2442, 2545, 2579, 3512, 3554, 4447  
REFLEX, ABNORMAL: 2669  
REFLEX, TENDON: 1305, 2170  
REGENERATION: 1550, 1676, 1794, 2403, 3638  
REGIONAL BLOOD FLOW: 15, 130, 206, 322, 550, 669, 723, 800, 856, 933, 971, 1027, 1430, 1934, 2197, 2365, 2517, 2740, 2820, 2829, 3083, 3348, 3416, 3702, 3719, 3751, 3863, 3896  
REGIONAL MEDICAL PROGRAMS: 2493, 4268  
REGISTRIES: 1930, 3597  
REGRESSION: 739, 1890  
REGRESSION ANALYSIS: 1249, 1526, 3629, 3985  
REIMPLANTATION: 1817, 2707, 3272, 4100  
REINDEER: 1765  
REITER'S DISEASE: 1883  
RELAXIN: 2244, 2525  
RELIGION AND MEDICINE: 167  
RELIGION AND PSYCHOLOGY: 3237  
REMISSION: 63, 415, 505, 510, 599, 701-702, 769, 955, 1214, 1249, 1381, 1519, 1571, 1592, 1638, 1695, 1731, 1787, 1912, 2076, 2235, 2279, 2360, 2408, 2418, 2443, 2596, 2619, 2889, 3055, 3137, 3154, 3230, 3345, 3410, 3414, 3445, 3720, 3766  
RENAL ARTERY: 130, 549, 3748  
RENAL ARTERY OBSTRUCTION: 73, 970, 3067, 3552, 3838, 3856  
RENAL ARTERY STENOSIS: 130, 164, 970, 1022, 2738, 3067, 3552, 3856  
RENAL OSTEODYSTROPHY: 429, 606, 713, 1078, 1336, 1529, 3013, 3183, 3351, 3524, 3683, 4180  
RENAL TUBULAR TRANSPORT, INBORN ERRORS: 1849  
RENAL VEINS: 130, 164, 945, 1022, 1430, 1464, 1660, 2597, 3498, 3575, 4452  
RENIN: 32, 113, 121, 130, 164, 210, 212, 244, 273, 279, 481, 503, 528-529, 537-538, 703, 836, 887, 900, 905, 945, 970, 1016, 1022, 1041, 1054, 1064, 1131-1132, 1207, 1215, 1261, 1276, 1283, 1297, 1321, 1337, 1354, 1366, 1427, 1464, 1466, 1534, 1537, 1560, 1607, 1611, 1642, 1660, 1664, 1678, 1707, 1725, 1733, 1750, 1810, 1823, 1845, 1906, 1927, 1962, 1968, 2008, 2062, 2072, 2077, 2139, 2148, 2158, 2181, 2198, 2237, 2283, 2346, 2387-2388, 2429, 2498, 2538, 2710, 2738, 2783, 2799, 2825, 2848, 2934, 2976-2977, 2987, 2992, 3010, 3048, 3067, 3125, 3138, 3188, 3202, 3276, 3320, 3328, 3474, 3485, 3497-3498, 3504, 3522, 3524, 3535, 3552, 3615, 3633, 3712, 3724, 3748, 3763, 3766, 3783, 3818, 3856, 3863, 3896, 3923, 4054, 4071, 4134, 4182, 4199, 4210, 4235, 4277-4278, 4306, 4408, 4415, 4435, 4445, 4447, 4452, 4464, 4496-4497, 4503, 4511  
REPRODUCTION: 147, 664, 956, 960, 1145, 1436, 1649, 1902, 1983, 2368, 2428, 2658, 2920, 2983, 3308, 3665, 3758, 3779, 3812, 3847, 3933, 4101  
REPTILASE: 2204  
REPTILES: 1215, 2428, 3754, 4276  
RESEARCH: 816, 1513, 1631, 4264  
RESEARCH DESIGN: 1756, 1789, 2355, 4322  
RESERPINE: 692, 746, 1545, 1607, 1697, 1719, 1991, 2468, 2673, 2785, 2814, 3199, 3270, 3474, 3593, 3610, 4169  
RESINS: 577  
RESORCINOLS: 316, 1260, 2059, 3695  
RESPIRATION: 237, 934, 942, 1124, 1335, 1980, 2442, 2489, 2569, 2702, 2784, 2959, 3112, 3465, 4097  
RESPIRATION, ARTIFICIAL: 76, 237, 792,



## SUBJECT INDEX

1320  
 RESPIRATION DISORDERS: 942  
 RESPIRATORS: 2569  
 RESPIRATORY CENTER: 934, 1980, 2569,  
 2784, 3112  
 RESPIRATORY DISTRESS SYNDROME:  
 820, 4172  
 RESPIRATORY DISTRESS SYNDROME,  
 ADULT: 76, 279  
 RESPIRATORY FUNCTION TESTS: 615, 942,  
 4346  
 RESPIRATORY INSUFFICIENCY: 211, 1320,  
 2693  
 RESPIRATORY PARALYSIS: 942, 1320  
 RESPIRATORY SYSTEM: 484, 1512, 3112,  
 3611, 4156  
 RESPIRATORY THERAPY: 615, 1942, 3015  
 RESPIRATORY TRACT DISEASES: 3444  
 RESPIRATORY TRACT INFECTIONS: 2486,  
 2669  
 RESPIRATORY TRACT NEOPLASMS: 3879  
 RESTRAINT, PHYSICAL: 96, 1184, 2243, 3798  
 RESUSCITATION: 219, 1432  
 RETE TESTIS: 1908  
 RETENTION (PSYCHOLOGY): 1182,  
 1396-1397, 2194, 3882, 4304  
 RETICULAR FORMATION: 97, 1742, 1980,  
 2082, 2171, 2549, 2894, 3284  
 RETICULOCTES: 373, 1259, 3290, 4072  
 RETICULOENDOTHELIAL SYSTEM: 3080  
 RETICULOENDOTHELIOSIS: 2157  
 RETINA: 930, 1659, 1818, 2397, 3353, 3583, 3941,  
 4035, 4075  
 RETINAL ARTERY: 2768  
 RETINAL DEGENERATION: 3353  
 RETINAL DETACHMENT: 566  
 RETINAL DISEASES: 1190  
 RETROGRADE DEGENERATION: 3434  
 RETROPERITONEAL NEOPLASMS: 1482,  
 1888  
 RETROPERITONEAL SPACE: 1888, 3905  
 RETROSPECTIVE STUDIES: 61, 220, 329, 682,  
 849, 1116, 1308, 1332, 1456, 1615, 1663, 1740,  
 1820, 1992, 2111, 2203, 2604, 4069, 4139  
 REVERSE TRANSCRIPTASE: 1191, 1375,  
 4014  
 REWARD: 1232, 4015  
 RHABDOMYOSARCOMA: 1209  
 RHAMNOS: 2721  
 RHESUS MONKEYS: 33, 111, 293, 668, 851, 878,  
 1164, 1190-1191, 1648, 2098, 2503, 2578,  
 2714-2715, 2860, 3019, 3089, 3165, 3180, 3798,  
 4019, 4465, 4520  
 RHEUMATIC FEVER: 2685, 3267, 4348  
 RHEUMATIC HEART DISEASE: 1160  
 RHEUMATISM: 967, 1541, 1899, 2187, 2215,  
 3002  
 RHINITIS: 104  
 RIB FRACTURES: 1343, 3683  
 RIBOFLAVIN DEFICIENCY: 4521  
 RIBONUCLEASE: 333, 2164, 3951  
 RIBONUCLEOSIDES: 4468  
 RIBONUCLEOTIDES: 811, 4360  
 RIBOSE: 2816  
 RIBOSOMES: 618, 3568, 4072  
 RIBS: 305, 1754, 2427, 4095  
 RICKETS: 532, 709, 928, 1051, 1149, 1296, 1343,  
 1522, 1609, 1612, 2134, 3291, 3613, 3949, 4091,  
 4192, 4423, 4521  
 RICKETS, VITAMIN D RESISTANT: 3624  
 RICKETTSIA RICKETTSII: 1554  
 RIFAMPIN: 125, 2593, 3440  
 RISK: 312, 493, 714, 842, 884, 1205, 1268, 1308,  
 1356, 1541, 1611, 1615, 1646, 1664, 1756, 1789,  
 2077, 2195, 2283, 2293, 2599, 2726, 2730, 2926,  
 3117, 3139, 3307, 3382, 3417, 3478, 3545, 3584,  
 3610, 3703, 3875, 4032, 4181, 4378, 4496,  
 4506-4507  
 RITODRINE: 1080, 3702  
 RNA: 198, 323, 620, 675, 704, 965, 1186, 1263,  
 1801, 1833, 2097, 2125, 2177, 2416, 2881, 2906,  
 2956, 3852, 4176, 4227  
 RNA, BACTERIAL: 3897  
 RNA, MESSENGER: 365, 684, 865, 1259, 1581,  
 1668-1669, 1856, 2231, 2272-2273, 2509, 2610,  
 3124, 3566, 3572, 3897, 4212, 4324  
 RNA, NEOPLASM: 618, 936, 1793, 3874  
 RNA POLYMERASE I: 1833  
 RNA POLYMERASE II: 1833  
 RNA POLYMERASES: 704, 2593, 2906

RNA, TRANSFER: 618, 1379, 3658  
RNA, VIRAL: 1191, 2501, 3124, 3362  
RO 20-1724: 2476, 4230, 4468  
ROCKY MOUNTAIN SPOTTED FEVER:  
1554  
RODENT DISEASES: 724, 1392, 4262  
RODENTS: 2254, 2640, 2656, 3358, 3780, 4159,  
4483  
RODS AND CONES: 833, 2384  
ROOT CANAL THERAPY: 3829  
ROSACEA: 4116  
ROSANILINE DYES: 3383  
ROSETTE FORMATION: 112, 1163, 1748, 3073,  
3113, 3295, 4298  
ROTATION: 872  
ROTENONE: 3533  
ROUND LIGAMENT: 1971  
ROUS SARCOMA VIRUS: 1219, 4469  
RUBELLA VACCINE: 2028  
RUBINSTEIN-TAYBI SYNDROME: 3126  
RUMEN: 2865, 3198  
RUPTURE: 1958, 2667, 3209, 3595  
RUPTURE, SPONTANEOUS: 2485  
RURAL HEALTH: 2493, 4268  
RUTHENIUM RED: 40, 392, 3401  
RYANODINE: 362

**S**

SACCHAROMYCES CEREVISIAE: 1412,  
2541, 4033  
SACROILIAC JOINT: 1252  
SACRUM: 3359  
SAFETY: 3431  
SALICYLAMIDES: 2187  
SALICYLATES: 485, 1076, 1530, 2041, 2212,  
2693  
SALICYLAZOSULFAPYRIDINE: 3275  
SALINE SOLUTION, HYPERTONIC: 1903,  
3277, 4365  
SALIVA: 565, 1931, 2050, 4243  
SALIVARY GLANDS: 239, 357, 1469, 1852,  
2524, 3457, 4369  
SALIVARY PROTEINS: 2764  
SALMON: 808, 1379, 2953, 4013, 4388  
SALMONELLA INFECTIONS, ANIMAL: 83,  
127  
SALMONELLA TYPHI: 2410, 4231  
SALMONELLA TYPHIMURIUM: 1421  
SALMONIDAE: 1575, 4013  
SALPINGITIS: 2293  
SALSOLINE ALKALOIDS: 4369  
SALT GLAND: 1729, 3754  
SALTS: 2935, 3753  
SAMPLING STUDIES: 1789  
SAPHENOUS VEIN: 1784, 2361  
SARALASIN: 130, 273, 452, 547, 887, 1131-1132,  
1315, 1480, 2740, 2934, 3188, 3896, 4071, 4210  
SARCOIDOSIS: 650, 1239, 1483, 2004, 2950,  
3647, 3787, 3877, 4247, 4253, 4381  
SARCOLEMMA: 66, 1241, 1378, 4343  
SARCOMA: 579, 886, 1971, 2203, 4245, 4355  
SARCOMA, EWING'S: 4036  
SARCOMA, EXPERIMENTAL: 786, 805, 1245,  
1802, 2161, 2817, 2896, 2937, 2939, 3055, 3797,  
3998  
SARCOMA, KAPOSI'S: 1312, 1870  
SARCOMA, MAST CELL: 1802  
SARCOMA, OSTEOGENIC: 371, 786, 805, 2295,  
3789  
SARCOMA, RETICULUM CELL: 2465, 4058  
SARCOPASMIC RETICULUM: 66, 349, 362,  
393, 949, 1036-1038, 1128, 1238, 1830, 2005,  
2065, 2073, 2449, 2610, 3192, 3249, 3306, 3331,  
3672-3673, 3752, 3813, 4049  
SARCOSPORIDIA: 138  
SCAPULA: 1510  
SCHISTOSOMIASIS: 1133  
SCHIZOPHRENIA: 213, 514, 611, 649, 705,  
815-816, 969, 1140, 1163, 1490, 1512-1513,  
1878-1879, 2144, 2459, 3156, 3581, 3610, 3617,  
4158, 4193, 4514  
SCHIZOPHRENIA, CHILDHOOD: 303, 595  
SCHIZOPHRENIC PSYCHOLOGY: 705, 816,  
1490  
SCHWANN CELLS: 4138  
SCIATIC NERVE: 442, 3844  
SCIATICA: 1663, 4410  
SCINTILLATION COUNTING: 225, 846, 3601

SCLERA: 318  
 SCLERODERMA, SYSTEMIC: 305, 3175  
 SCLEROSING SOLUTIONS: 2600, 2664, 34  
 3614  
 SCLEROSIS: 697, 3787  
 SCOLIOSIS: 318, 3946  
 SCOPOLAMINE: 2256, 2916  
 SCROTUM: 856, 925, 3071, 3595  
 SCURVY: 387  
 SEA URCHINS: 2919, 3870  
 SEALS: 2315  
 SEASONS: 147, 385, 418, 586, 808, 862, 956, 5  
 1001, 1543, 1649, 1765, 1902, 2043, 2287, 23  
 2428, 2656, 2687, 2902, 2983, 3064, 3282, 35  
 3469, 3544, 3632, 3665, 3934, 4101, 4157, 41  
 4208, 4338  
 SEAWATER: 314, 1122, 1729, 2668, 3607  
 SEBACEOUS GLANDS: 1729  
 SEBORRHEA: 2037  
 SEBUM: 829, 3727  
 SECRETIN: 216, 1897, 2394, 3400, 3947, 45  
 SECRETORY RATE: 95, 405, 613, 888, 10  
 1100, 1316, 1531, 1665, 1998, 2044, 2116, 25  
 2719, 2901, 3106, 3314, 3441, 3794, 4182, 42  
 4318, 4402  
 SEEDS: 2521  
 SEIZURES: 193, 519-520  
 SELECTION (GENETICS): 3665  
 SELENIUM: 2944  
 SELF ADMINISTRATION: 1882, 3121, 41  
 SELF CONCEPT: 4322  
 SELF MUTILATION: 3732  
 SELF STIMULATION: 688, 1232, 1410, 21  
 2916, 3224, 3316, 4015  
 SELLA TURCICA: 814, 986, 1544, 1890, 22  
 3746, 4171  
 SEMEN: 3288, 3324, 4018, 4463  
 SEMEN PRESERVATION: 3665  
 SEMINAL VESICLES: 410, 1245, 1488, 16  
 1677, 1836, 2392, 2558, 3001, 4262, 4350, 4  
 SEMINIFEROUS EPITHELIUM: 668, 912,  
 1453, 2946, 2949, 3938  
 SEMINIFEROUS TUBULES: 114, 1056, 10  
 1652, 1775, 2458, 2949, 3740, 3758  
 SEMUSTINE: 1542, 4463  
 SENECEO: 2229  
 SENSATION: 200, 2605  
 SENSORY DEPRIVATION: 3108, 4125  
 SEPTAL NUCLEI: 514, 760, 3316  
 SEPTICEMIA: 2486, 3419, 4074, 4231, 4475  
 SEPTUM PELLUCIDUM: 50, 145, 1212, 23  
 2500  
 SERINE: 2121  
 SEROTONIN: 26, 33-34, 79, 96, 112, 145, 1  
 213-214, 243, 261-262, 307, 327, 335, 345-3  
 379, 381, 408, 439, 446, 464, 469, 480, 490, 4  
 500-501, 519-520, 534, 561, 612, 624, 626-6  
 648, 732, 736-737, 767, 794, 837-838, 866, 8  
 1012, 1032, 1182, 1195, 1279-1281, 1289, 12  
 1317, 1323, 1342, 1368-1369, 1372, 1378, 13  
 1399, 1412, 1428, 1433, 1531, 1540, 1545, 15  
 1595, 1597, 1607, 1626, 1637, 1645, 1649, 16  
 1697, 1719, 1746, 1764, 1784, 1802, 1867, 19  
 1910, 1916, 1919-1920, 1955-1956, 1974, 19  
 1995, 2012, 2036, 2041, 2043, 2047, 2082-20  
 2086, 2091, 2100, 2122, 2133, 2153-2154, 21  
 2201, 2229, 2265, 2331, 2357-2358, 2366, 24  
 2452, 2505, 2511, 2542, 2545, 2605, 2612, 26  
 2623, 2661, 2671, 2685, 2694, 2696, 2727, 27  
 2785, 2902, 2955, 2964, 2973, 2986, 2994, 30  
 3017, 3043-3044, 3092, 3109, 3152, 3173, 31  
 3200, 3208, 3210, 3254, 3264, 3296, 3303-33  
 3314, 3316, 3356, 3372, 3381, 3390, 3436, 34  
 3477, 3495, 3512, 3523, 3526, 3559, 3599, 36  
 3663, 3667, 3714, 3732, 3759, 3772, 3781, 38  
 3881, 3900, 3918, 3968, 3986, 4013, 4076, 40  
 4085, 4087, 4099, 4109, 4125, 4140, 4147, 41  
 4177, 4189, 4213, 4230, 4258, 4280, 4285, 43  
 4328, 4425, 4429, 4444, 4460  
 SEROTONIN ANTAGONISTS: 33, 243, 62  
 626, 733, 814, 1280, 1289, 1292, 1746, 1864, 20  
 2445, 2545, 2671, 2775, 2860, 3968, 4085, 42  
 SEROTYPING: 1025  
 SEROUS MEMBRANE: 3162  
 SERTOLI CELL TUMOR: 599, 2817, 3820  
 SERTOLI CELLS: 160, 467, 1453, 2222, 231  
 2458, 3102, 3938  
 SERUM ALBUMIN: 29, 71, 307, 689, 796, 27  
 2809, 3189, 3385, 3793, 4324  
 SERUM ALBUMIN, BOVINE: 29, 2118, 21  
 21



# SUBJECT INDEX

- 2169, 2326, 3173, 3662, 3817, 3952  
 SERUM ALBUMIN, RADIO-IODINATED: 2118  
 SERUM GLOBULINS: 2749, 3966  
 SERUM SICKNESS: 607  
 SESAME OIL: 399, 1998  
 SET (PSYCHOLOGY): 2348  
 SEVIN: 1329, 3542  
 SEWAGE: 2668, 2971  
 SEX: 2918  
 SEX BEHAVIOR: 21, 167, 1095, 3233, 3407, 3821, 4378  
 SEX BEHAVIOR, ANIMAL: 23, 167, 260, 854, 872, 881, 897, 1129, 1197, 1649, 1993, 2276, 2405, 2500, 2566, 2714-2715, 2755, 2985, 3180, 3233, 3770, 4222, 4310, 4387, 4431, 4456  
 SEX CHARACTERISTICS: 3358  
 SEX CHROMATIN: 663, 863, 1106, 1416, 1809, 1945, 2417, 3608, 3776, 4173, 4218, 4442  
 SEX CHROMOSOME ABNORMALITIES: 24, 310, 379, 423, 943, 1007, 1130, 1151, 1363, 1476, 1646, 1726, 1809, 1811, 2214, 2632, 2726, 2923, 2940, 2961, 3117, 3122-3123, 3393, 3525, 3706, 3825, 4173, 4322, 4368, 4488, 4513  
 EX CHROMOSOMES: 24, 414, 427, 715, 842, 1007, 1150-1151, 1175, 1293, 1299, 1548, 1630, 2437, 2596, 2646, 2767, 2780, 2923, 2980, 3016, 3364, 3403, 3706, 3825, 4073, 4092, 4159, 4274, 4399  
 EX DETERMINATION: 142, 386, 414, 432, 863, 893, 1945, 2010, 2124, 2221, 2588, 2918, 3437, 3608, 4223  
 EX DIFFERENTIATION: 167, 414, 1194, 2904, 4222, 4338-4339, 4440  
 EX DIFFERENTIATION DISORDERS: 1363, 3130  
 EX DISORDERS: 1825, 2625, 2981, 3273  
 EX FACTORS: 49, 156, 389, 399, 422, 554, 651, 678, 748, 818, 893, 992, 1118, 1127, 1129, 1165, 1377, 1605, 1642, 1676, 1723, 1970, 2016, 2154, 2180, 2272, 2304, 2344, 2371, 2426, 2470, 2502, 2558, 2669, 2706, 2718, 2796, 2837, 2841, 2972, 2989, 3064, 3172, 3221, 3265, 3302, 3308, 3326, 3403, 3438, 3451, 3623, 3717, 3756, 3807, 3847, 3880, 3995, 4050, 4069, 4107, 4123, 4168, 4188, 4197, 4219, 4274, 4310, 4355, 4387, 4437, 4490  
 EX HORMONE BINDING GLOBULIN: 678, 909, 1377, 2079, 3031, 3102  
 EX HORMONES: 677, 909, 1159, 1165, 1220, 1248, 1451, 2019, 2304, 2779, 2790, 3024, 3273, 3359, 3568, 3780, 3314, 4257, 4322, 4354, 4431  
 EX MATURATION: 95, 156, 227, 417, 483, 818, 965, 990-991, 1348, 1517, 1836, 2151, 2558, 2708, 2719, 2796, 3367, 4188  
 EYELIDS: 2499  
 EYE: 10, 23, 93, 207, 304, 335, 477, 550, 557, 577, 581, 619, 708, 723, 741-742, 888, 964, 1129, 1351, 1505-1506, 1758, 1875, 1913, 2380, 2437, 2517, 2755, 2852, 2871, 2927, 2949, 3064, 3075, 3089, 3106, 3188, 3373, 3416, 3702, 3889, 3994, 4184, 4285, 4296-4297, 4319, 4338-4339  
 EYE DISEASES: 1351, 1913, 3994  
 EYEGLASS FLEXNERI: 4228  
 EYELID: 765  
 EYE: 219, 433, 452, 2636, 3015  
 EYE, CARDIOGENIC: 2736  
 EYE, SEPTIC: 1053, 1218, 1684, 2148, 2277, 3083, 3535, 4074, 4235  
 EYE THERAPY, ELECTRIC: 611, 1048, 2076  
 EYE, TRAUMATIC: 1982, 4120  
 EYELID: 546  
 EYELID JOINT: 3785  
 EYELIDS: 3740  
 EYELID: 4152  
 EYELID PHENOMENON: 3370  
 EYE ACIDS: 1241, 1657, 2343  
 EYELID: 3290  
 EYELID NEOPLASMS: 176  
 EYELID: 3375  
 EYELID: 2623  
 EYELID NITRATE: 694, 1715  
 EYELID NODE: 4254  
 EYELID: 1681, 2124  
 EYE: 64, 88, 325, 412, 551, 631, 683, 765, 829, 075, 1150, 1264, 1346, 1475, 1510, 1628, 1722, 726, 1745, 1854, 1870, 1883, 1932, 1956, 1979, 131, 2238, 2269, 2365, 2403, 2532, 2540, 2717, 829, 2869, 2871, 3104, 3461, 3541, 3719, 3754, 156, 4228, 4316  
 SKIN ABSORPTION: 3678  
 SKIN DISEASES: 31, 571, 683, 896, 1169, 1627, 1854, 1990, 2106, 2212, 2824, 3336, 3431, 3461  
 SKIN DISEASES, INFECTIOUS: 2486  
 SKIN MANIFESTATIONS: 1286, 2718, 3865, 4348  
 SKIN NEOPLASMS: 13, 1312, 1926, 1940, 2668, 3431, 3445, 3865  
 SKIN PIGMENTATION: 683  
 SKIN TEMPERATURE: 60  
 SKIN TESTS: 696, 845, 2950, 3579  
 SKIN ULCER: 88, 297, 2157  
 SKINFOLD THICKNESS: 1589, 3399  
 SKULL: 150, 472, 620, 1074, 1200, 1250, 3189, 3598, 3705, 4188  
 SKUNKS: 4225  
 SLEEP: 1951, 2016, 2620, 2855, 3112, 3265, 3781, 4066  
 SLEEP DEPRIVATION: 1882, 2171  
 SLEEP DISORDERS: 513, 810  
 SLEEP, REM: 513, 810, 1744, 2016, 2171, 4051  
 SLEEP STAGES: 379, 3112  
 SLOW-REACTING SUBSTANCES: 3372  
 SMELL: 2095, 3738  
 SMOKING: 489, 559, 758, 1931, 2293, 2532, 3189, 3417, 4378, 4437, 4506  
 SNAKE BITES: 2828  
 SNAKE VENOMS: 2156, 2816  
 SNAKES: 2271  
 SOCIAL ADJUSTMENT: 759, 2426  
 SOCIAL BEHAVIOR: 2985  
 SOCIAL BEHAVIOR DISORDERS: 3825  
 SOCIAL CLASS: 4378  
 SOCIAL DOMINANCE: 319, 1085, 1121, 1939  
 SOCIAL ENVIRONMENT: 759, 904, 3108  
 SOCIAL ISOLATION: 317, 319, 651, 904, 4431  
 SOCIAL PERCEPTION: 167  
 SOCIALIZATION: 4322  
 SOCIETIES, MEDICAL: 1386, 1610, 4030, 4487, 4505, 4518  
 SOCIETIES, SCIENTIFIC: 4483  
 SOCIOECONOMIC FACTORS: 3, 1889, 2426, 4322, 4437  
 SODIUM: 127, 196, 212, 244, 273, 314, 317, 412, 439, 442, 476, 495, 529, 576, 581, 609-610, 887, 905, 929, 938, 958, 962, 970, 1014, 1052, 1086, 1122, 1131-1132, 1144, 1228, 1386, 1427, 1455, 1475, 1479, 1526, 1534, 1725, 1727, 1906, 1962, 2008, 2022, 2077, 2114, 2181, 2283, 2379, 2495, 2556, 2762, 2795, 2853, 2869, 2892, 2957, 2975, 3083, 3118, 3132, 3198, 3280, 3388, 3633, 3636, 3656, 3716, 3813, 3944, 4040, 4082-4083, 4112, 4134, 4240, 4255, 4301, 4312, 4396, 4408, 4421, 4435  
 SODIUM CHLORIDE: 900, 1041, 1903, 2008, 2608, 2740, 3188, 3753, 3863, 4209, 4331, 4410  
 SODIUM ETIDRONATE: 371, 2886, 3051  
 SODIUM FLUORIDE: 179, 1623, 4432, 4436  
 SODIUM GLUTAMATE: 625, 2922  
 SODIUM HYDROXIDE: 1956  
 SODIUM IODIDE: 371  
 SODIUM NITRITE: 19, 1370  
 SODIUM OXYBATE: 295  
 SODIUM SALICYLATE: 871, 1076, 2600, 2620  
 SOFT TISSUE NEOPLASMS: 886, 3038, 3786  
 SOLUBILITY: 6, 751, 843, 950, 1020, 1119, 1333, 1462, 1477, 2186, 2454, 2836, 2933, 3845, 3878, 3942, 4075, 4209, 4458  
 SOLUTIONS: 14, 874, 1018, 2186, 2202, 3611, 3707, 4432  
 SOMATOMEDIN: 793, 2378, 2741, 3093, 3761, 4153  
 SOMATOSENSORY CORTEX: 96, 2435, 3122  
 SOMATOTROPIN: 12, 129, 228, 314, 331, 344, 358, 383, 409, 441, 479, 486, 513-515, 521, 569, 584, 594, 711, 731, 733, 877, 903, 922-923, 968, 971, 977, 1002, 1019, 1148, 1237, 1242, 1356, 1394, 1557, 1559, 1569, 1596, 1634, 1656, 1761, 1766, 1824, 1864, 1878-1879, 1891, 1959-1960, 1965, 2001, 2019, 2039, 2056, 2068, 2138, 2183, 2227, 2267, 2278, 2280, 2288, 2313, 2315, 2378, 2381, 2425, 2430, 2477, 2479, 2499, 2510, 2530, 2544, 2615, 2689, 2741, 2760, 2776, 2820, 2857, 2903, 2922, 2927, 3027, 3121, 3163, 3235, 3253, 3265, 3311, 3447, 3449, 3517-3518, 3548, 3571, 3662, 3675, 3690, 3693, 3796, 3811, 3895, 3974, 4007, 4015, 4129-4130, 4153, 4234, 4285, 4299, 4336, 4344, 4377  
 SOMATOTROPIN RELEASE INHIBITING HORMONE: 7, 70, 129, 245, 324, 344, 395, 405, 486, 534, 552, 711, 1193, 1275, 1323, 1690, 1761, 1824, 1947, 1960, 1965, 2068, 2193, 2253, 2401, 2722, 2724, 2762, 3146, 3517-3518, 3555, 3599, 4122, 4129-4130, 4234, 4391, 4522  
 SOMATOTROPIN RELEASING HORMONE: 395, 552, 800, 1506, 2425  
 SOMATOTYPES: 4050  
 SOTALOL: 1823  
 SOY BEANS: 4521  
 SPACE FLIGHT: 3196, 4043  
 SPASM: 464  
 SPECIES SPECIFICITY: 71, 74, 87, 102, 139, 153, 245, 395, 482, 646, 664, 928, 1094, 1128, 1145-1146, 1191, 1429, 1506, 1599, 1676, 1705, 1712, 1902, 2039, 2069, 2254, 2361-2362, 2380, 2456, 2474, 2499, 2609, 2680, 2682, 2698, 2786, 2860, 2999, 3152, 3170, 3222, 3285, 3353, 3358, 3541, 3661, 3719, 3754, 3758, 3777, 3806, 4013, 4020, 4051, 4107, 4197, 4276, 4336  
 SPECIMEN HANDLING: 363, 1643, 2703  
 SPECTROMETRY, FLUORESCENCE: 553, 686, 1038, 1233, 1872, 3448, 3672, 4404  
 SPECTROPHOTOMETRY: 393, 424, 557, 3530, 3978, 4413  
 SPECTROPHOTOMETRY, ULTRAVIOLET: 811  
 SPECTRUM ANALYSIS: 876, 2020  
 SPECTRUM ANALYSIS, MASS: 187, 388, 456, 944, 1429, 2027, 2337, 2988, 3087, 4270  
 SPEECH: 891  
 SPEECH DISCRIMINATION TESTS: 104  
 SPEECH DISORDERS: 3203  
 SPERM MATURATION: 916  
 SPERM MOTILITY: 663, 1758, 1790, 2919, 4291  
 SPERM TRANSPORT: 916, 3081  
 SPERMATIC CORD: 315  
 SPERMATIC CORD TORSION: 925  
 SPERMATIDS: 1453, 2377, 2679  
 SPERMATOCIDAL AGENTS: 1774  
 SPERMATOCYTES: 2377, 2385  
 SPERMATOGENESIS: 114, 160, 427, 912, 916, 956, 1221, 1453, 1465, 1677, 1679, 1975, 2216, 2368, 2377, 2385, 2679, 2830, 2918, 2946, 3140, 3196, 3384, 3544, 4275, 4463  
 SPERMATOGENESIS BLOCKING AGENTS : 3981  
 SPERMATOGENIA: 1679, 1775, 2314  
 SPERMATOZOA: 158, 663, 1075, 1453, 1630, 1679, 1775, 1790, 1908, 2019, 2368, 2385, 2428, 2547, 2695, 3081, 3285, 3324, 3604, 3625, 3710, 3812, 3965, 4275  
 SPERMIDINE: 704, 3458  
 SPERMINE: 2376, 3458  
 SPHENOID BONE: 2515  
 SPHENOID SINUS: 3972  
 SPHINGOMYELINS: 1566, 4172  
 SPIDER VENOMS: 3725  
 SPIN LABELS: 1768  
 SPINAL CORD: 231, 345, 540, 804, 1032, 1511, 1677, 1955, 2605, 3006, 3493, 3512, 3516, 3620, 4271, 4328  
 SPINAL CORD COMPRESSION: 3898  
 SPINAL CORD INJURIES: 2962  
 SPINAL CORD NEOPLASMS: 26, 1482, 3720  
 SPINAL DISEASES: 1187, 1250, 1252, 3205, 4178, 4180  
 SPINAL NEOPLASMS: 1107, 1258  
 SPINAL NERVES: 883, 1647, 3528  
 SPINE: 339, 3705  
 SPINOTHALAMIC TRACTS: 1920  
 SPIPERONE: 3268, 3602, 4019  
 SPIROCHAETALES: 4092  
 SPIRONOLACTONE: 163, 874, 900, 1023, 1054, 1084, 1297, 1561, 1776, 2159, 2695, 2814, 3010, 3199, 3533, 3944, 4182, 4365  
 SPLANCHNIC NERVES: 191, 405  
 SPLEEN: 27, 41, 1039, 1119, 1137, 1163, 1401, 1428, 1447, 1796, 1871, 1876, 2542, 2583, 2744, 2950, 3623, 3699, 4262  
 SPLENECTOMY: 321, 2021, 2399, 2663, 2950, 2989, 4403, 4482  
 SPLENIC DISEASES: 108  
 SPLENIC NEOPLASMS: 4058  
 SPLENIC VEIN: 3575  
 SPLENOMEGALY: 321, 1296, 1544, 2950  
 SPONDYLITIS: 470  
 SPONDYLITIS, ANKYLOSING: 3205  
 SPORES, BACTERIAL: 3286  
 SPORES, FUNGAL: 1104, 3409, 3711  
 SPORIDESMINS: 4067



# SUBJECT INDEX

SPORTS: 137  
 SPRUE: 2208, 3164  
 SQ 20881: 836, 1207, 1337, 1906, 3724  
 SQUALENE: 3784  
 SQUID: 196, 497  
 SQUIRREL MONKEYS: 246, 748, 1191, 2410  
 SRS-A: 1100  
 STAINS AND STAINING: 153, 694, 743, 1106, 1115, 1287, 1293, 1557, 1595, 1715, 1748, 2326, 2623, 3131, 3291, 3383, 3608  
 STANOLONE: 402, 779, 869, 897, 1049, 1129, 1319, 1350, 1567, 1717, 1954, 1961, 2067, 2231, 3102, 3298, 3335, 3544, 3876, 3965, 4141, 4184, 4400, 4411, 4431  
 STAPEDIUS: 104  
 STAPHYLOCOCCAL INFECTIONS: 3222, 4475  
 STAPHYLOCOCCUS: 1989  
 STAPHYLOCOCCUS AUREUS: 2446, 2870, 3222  
 STARFISH: 453, 1004, 2795  
 STARVATION: 119, 236, 263, 482, 622, 1044, 1231, 1531, 1587, 1788, 2313  
 STATISTICS: 113, 1589, 1937, 2063, 3357, 3402, 4322  
 STATUS EPILEPTICUS: 3219  
 STEIN-LEVENTHAL SYNDROME: 526, 993, 2226, 2745, 4462  
 STELLATE GANGLION: 2468, 4177  
 STEREOISOMERS: 928, 1536, 2602, 2978, 3914, 4270  
 STEREOTAXIC TECHNIQS: 459  
 STEREOTYPED BEHAVIOR: 105, 600, 626, 872, 1248, 1368, 2047, 2082, 3264, 3398, 3648, 3914  
 STERILITY: 2142, 2529, 3242  
 STERILITY, FEMALE: 107, 421, 750, 809, 1029, 1359, 1481, 1805, 2142, 2745, 2947, 3176, 3255, 3426, 3454, 3547, 3842, 3994, 4060  
 STERILITY, MALE: 56, 158, 427, 467, 663, 1240, 1359, 1500, 2249, 3037, 3287, 3604, 4214, 4295, 4463  
 STERILIZATION: 2202, 4376  
 STERILIZATION, SEXUAL: 1223, 3740  
 STERILIZATION, TUBAL: 1060, 3451  
 STEROID-11-HYDROXYLASE: 1303, 1388  
 STEROID-17-HYDROXYLASE: 1738, 3522, 4257  
 STEROID-21-HYDROXYLASE: 1178, 1388  
 STEROID HYDROXYLASES: 1178, 1303, 1738, 2622, 2882, 3186, 3522, 3880, 4257, 4427  
 STEROIDS: 140-141, 259, 292, 313, 398, 425, 652, 714, 726, 1047, 1052, 1194, 1291, 1312, 1333, 1388, 1552, 1567, 1651, 1668, 1676, 1738, 1793, 2173, 2189, 2246, 2277, 2406, 2454, 2650, 2703, 2728, 2924, 2982, 3023, 3054, 3172, 3442, 3501, 3535, 3572, 3756, 3835, 3951, 4116, 4142, 4170, 4219, 4361, 4493  
 STEROIDS, FLUORINATED: 1854  
 STEROLS: 508, 1422, 2879, 3181, 3297  
 STILBENES: 3208  
 STIMULATION, CHEMICAL: 16, 34, 477, 689, 809, 923, 926, 965, 1330, 1342, 1499, 1555, 1573, 1665, 1704, 1961, 2005, 2089, 2233, 2552, 2755, 2832, 3133, 3395, 3447, 3504, 3658, 3701, 3723, 3794, 3973, 4006, 4191, 4296  
 STOMACH: 464, 522, 1455, 2938, 3146, 3997, 4446  
 STOMACH DISEASES: 783, 2732, 2958, 4318  
 STOMACH NEOPLASMS: 287, 359, 1806-1807, 1826, 3486, 3589, 3997, 4384  
 STOMACH ULCER: 835, 1275, 1455, 1991, 2636, 2687, 3997, 4317  
 STOMATITIS: 294  
 STOMATITIS, APHTHOUS: 3423  
 STRAMONIUM: 661  
 STREPTOCOCCUS PNEUMONIAE: 2594  
 STREPTOKINASE: 4469  
 STREPTOMYCIN: 3278, 3952  
 STREPTOMYCIN GRISEUS: 3278  
 STREPTOMYCIN: 124, 3278  
 STRESS: 157, 239, 504, 748, 765, 835, 853, 1061, 1269, 1327, 1426, 1569, 1657, 1661, 1697, 1946, 1991, 2011-2012, 2119, 2184, 2191, 2257, 2270, 2636, 2704, 2712, 2742, 2805, 2891, 2942, 3212, 3452, 3798, 4046, 4234  
 STRESS, MECHANICAL: 628, 1123, 2395, 4070, 4099  
 STRESS, PSYCHOLOGICAL: 438, 514, 885, 903, 1192, 1995, 2243, 2571, 3354, 3814, 4103,

4177, 4322  
 STROKE VOLUME: 903  
 STRONGYLOIDIASIS: 1883  
 STRONTIUM: 3162, 4292  
 STRONTIUM RADIOISOTOPES: 1836  
 STROPHANTHIDIN: 4090  
 STROPHANTHINS: 2721  
 STRUCTURE-ACTIVITY RELATIONSHIP: 375-376, 395, 486, 618, 799, 801, 928, 959, 968, 1045, 1166, 1280, 1446, 1506, 1734, 1746, 1755, 1824, 2006, 2288, 2322, 2456, 2510, 2542, 2978, 3023, 3098, 3181, 3201, 3488, 3517-3518, 3543, 3555, 3577, 3583, 3609, 3669, 3901, 4005, 4129-4130, 4229  
 STRUMA OVARI: 4167  
 STRYCHNINE: 4362  
 SUBACUTE SCLEROSING PANENCEPHALITIS: 431  
 SUBARACHNOID HEMORRHAGE: 464  
 SUBCELLULAR FRACTIONS: 19, 37, 196, 235, 301, 734, 1700, 2291, 2557, 2602, 3164, 3171, 3468, 3908, 3971, 4040, 4356, 4436  
 SUBCOMMISSURAL ORGAN: 2775, 3146, 4157  
 SUBFORNICAL ORGAN: 1215, 3723  
 SUBMANDIBULAR GLAND: 565, 763, 797, 1466, 1759, 1852, 2308  
 SUBMITOCHONDRIAL PARTICLES: 1514  
 SUBPHRENIC ABSCESS: 1015, 4004  
 SUBSTANCE P: 345, 695, 1647, 1719, 1898, 1947, 3599  
 SUBSTANTIA GELATINOSA: 345, 883, 3716  
 SUBSTANTIA NIGRA: 866, 1368, 1484, 1742, 1898, 2746, 2973, 2986, 3434, 3648, 3914  
 SUBSTRATE SPECIFICITY: 608, 1119, 2020, 2121, 2503, 3530, 3908, 3952, 4349  
 SUBTILISINS: 2288  
 SUCCINATE DEHYDROGENASE: 323, 996, 1618, 1813, 2209  
 SUCCINATES: 776, 2035, 2325, 2742, 3533, 3817  
 SUCKING BEHAVIOR: 733, 1875  
 SUCRASE: 264  
 SUCROSE: 255, 2113  
 SUDDEN INFANT DEATH: 2669  
 SULFAMETHOXYPYRIDAZINE: 148  
 SULFANILAMIDES: 2208  
 SULFAPYRIDINE: 378  
 SULFATASES: 1333, 2674  
 SULFATES: 371, 793, 2703, 3739, 3822  
 SULFATIDES: 890  
 SULFHYDRYL COMPOUNDS: 132, 1758, 2075, 2232, 2310, 3375, 3479, 3901  
 SULFHYDRYL REAGENTS: 3375, 3716, 4194  
 SULFOBROMOPHTHALEIN: 1052  
 SULFONAMIDES: 134, 3069  
 SULFONES: 3833  
 SULFONIUM COMPOUNDS: 4425  
 SULFOXIDES: 2089  
 SULFUR: 2521, 3198, 3822  
 SULFUR RADIOISOTOPES: 371, 822  
 SULFURIC ACIDS: 619  
 SULFURTRANSFERASES: 22, 1755  
 SULPIRIDE: 2371, 3830  
 SULTHIAME: 4382  
 SUNLIGHT: 4200  
 SUPERIOR COLLICULUS: 4125  
 SUPEROVULATION: 468, 3810, 4430  
 SUPPOSITORIES: 2572-2573  
 SUPRAOPTIC NUCLEUS: 111, 380, 540, 679, 892, 937, 1445, 1555, 1799, 2017, 2330, 2770, 3212, 3799  
 SURAL NERVE: 3528  
 SURAMIN: 3208  
 SURFACE-ACTIVE AGENTS: 1333, 2186, 2454, 3829  
 SURFACE PROPERTIES: 2413  
 SURFACE TENSION: 1477  
 SURGERY: 1631, 2493, 4268  
 SURGERY, OPERATIVE: 285, 295, 667, 2403, 2536, 3062, 3125, 3153, 3739, 3798, 4202  
 SURGICAL EQUIPMENT: 3493  
 SURGICAL NURSING: 1860  
 SURGICAL WOUND INFECTION: 447, 1006, 3419, 3601  
 SUSPENSIONS: 14, 874, 2925, 3611  
 SUTURE TECHNIQS: 2048  
 SUTURES: 2792  
 SV40 VIRUS: 2957, 4469  
 SWEATING: 1979, 2938  
 SWIMMING: 1834

SWINE: 74, 102, 155, 256, 418, 708, 762, 892, 1068, 1228, 1235, 1446, 1505, 1530, 1628-1629, 1656, 1681, 1794, 1875, 1910, 2244, 2777, 2810-2811, 2877, 2905, 3075-3076, 3094, 3179, 3217, 3619, 3695, 3935, 4151, 4312, 4316, 4392  
 SWINE DISEASES: 127, 1025, 1530, 4316  
 SYMPATHECTOMY: 237, 1607, 1991, 3726  
 SYMPATHETIC NERVOUS SYSTEM: 17, 492, 703, 968, 1085, 1139, 1400, 1433, 1471-1716, 1810, 2081, 2205, 2242, 2363, 2551, 3239, 3259, 3698, 3783, 3862, 3916, 3973, 4156, 4177, 4342, 4355, 4447  
 SYMPATHOLYTICS: 179, 450, 989, 2490  
 SYMPATHOMIMETICS: 2338, 3726  
 SYNAPSES: 245, 469, 1028, 1394, 2432, 2623, 2775, 2887, 2898, 3259, 3280, 3420, 3620, 4113, 4371, 4439  
 SYNAPTIC MEMBRANES: 2224, 2301, 44  
 SYNAPTIC RECEPTORS: 179, 2690  
 SYNAPTIC VESICLES: 2224, 2898, 3772, 4  
 SYNAPTOSOMES: 235, 391-392, 837, 1279, 1368, 1907, 2133, 2602, 2623, 2696, 2731, 3279, 3296, 3314, 3420, 3630, 3634, 3672-3815, 3927, 4035, 4109, 4125, 4140  
 SYNDACTYLIA: 2345, 4123  
 SYNDROME: 58, 86, 211, 241, 253, 339, 530, 617, 755, 978, 1074, 1105, 1154, 1439, 1492, 1689, 1745, 1754, 1940, 2160, 2195, 2299, 2537, 2549, 2595, 2768-2769, 2824, 2841, 2943, 3015, 3072, 3115, 3126, 3145, 3182, 3336, 3349, 3378, 3473, 3622, 3654, 3746, 3967, 3975, 4095, 4160, 4163, 4254, 4381, 4503  
 SYNOSTOSIS: 2345  
 SYNOVIAL FLUID: 1580, 3601, 3832  
 SYNOVIAL MEMBRANE: 1868, 2481  
 SYNOVITIS: 597  
 SYPHILIS SERODIAGNOSIS: 1286, 2835  
 SYROSGOPINE: 1784  
 SYSTOLE: 460, 2665, 3849

## T

TABLETS: 6, 731, 744, 3443  
 TACHYCARDIA: 3647, 4253  
 TACHYPHYLAXIS: 1551  
 TAIL: 1364, 1955, 3110  
 TAKAYASU SYNDROME: 1376  
 TAMOXIFEN: 62, 427, 1179, 2059, 3137, 3345, 4184  
 TARSAI TUNNEL SYNDROME: 2611  
 TARSUS, ANIMAL: 1468  
 TASTE: 651, 795, 1050  
 TASTE BUDS: 357, 2938  
 TASTE THRESHOLD: 1050  
 TAURINE: 2132, 3331  
 TAY-SACHS DISEASE: 2455  
 TEACHING: 1509  
 TEARS: 1159  
 TECHNETIUM: 203, 225, 448, 596-597, 806, 1273, 1469, 1804, 2137, 2223, 2886, 3038, 3795, 3943  
 TECHNOLOGY, MEDICAL: 1386, 1610, 4  
 TECHNOLOGY, RADIOLOGIC: 2771, 304  
 TEGMENTUM MESENCEPHALI: 209, 11742, 2549, 3212, 3434, 4000  
 TELANGIECTASIS: 1940, 3378  
 TELECEPHALON: 2887, 3516  
 TEMPERATURE: 131, 188, 608, 647, 694, 1251, 1422, 1528, 1587, 1690, 1923, 2024, 2060, 2235, 2301, 2388, 2428, 2471, 2525, 2644, 2865, 2918, 2957, 3181, 3197, 34383-3484, 3668, 3749, 3783, 4151, 4154-4461  
 TEMPLATES: 704  
 TEMPORAL ARTERIES: 2768, 2841  
 TEMPORAL ARTERITIS: 2841  
 TEMPORAL LOBE: 2026  
 TEMPOROMANDIBULAR JOINT: 606, 14  
 TENDON INJURIES: 536  
 TENDONS: 2850  
 TENSILE STRENGTH: 282, 2929, 3782  
 TERATOGENS: 2532, 3058, 3981, 4315  
 TERATOID TUMOR: 599, 860, 1069, 1208, 1456, 1843, 1886-1887, 2055, 2103, 2146, 2817, 3101, 3342, 3513, 3578, 3885, 3905, 4042, 4233  
 TERBIUM: 3448



# SUBJECT INDEX

- ERBUTALINE: 3911  
 ERMAL CARE: 1030  
 ERRITUALITY: 3632  
 ESTICULAR DISEASES: 2216, 2222, 2249, 2944, 2958, 3100, 3513, 3557, 3854, 4201, 4214, 4295  
 ESTICULAR FEMINIZATION: 167, 396, 1345, 3028, 3437  
 ESTICULAR HORMONES: 1056, 4018  
 ESTICULAR NEOPLASMS: 81, 257, 296, 315, 435, 639, 834, 886, 1069, 1097-1098, 1256, 1391, 1456, 1592, 1747, 1886-1888, 1930, 2058, 2166, 2263, 2314, 2465, 2684, 2817, 3071, 3099, 3243, 3513, 3578, 3597, 3638-3639, 3720, 3730, 3820, 3854, 3905, 4003, 4042, 4132, 4233, 4335, 4466  
 ESTIS: 38, 106, 114, 147, 156, 158, 160, 172, 215, 227, 312, 339, 385, 396, 410, 427, 635, 659-660, 664, 668, 694, 748, 762-763, 780, 845, 854, 856, 859-860, 862, 882, 902, 912, 916, 925, 956, 982-983, 988, 992, 1056, 1081, 1115, 1221, 1240, 1363, 1379, 1430, 1465, 1488, 1500, 1554, 1613, 1652, 1677, 1679, 1712, 1737, 1775, 1779, 1813, 1836, 1895, 1908, 1975, 2027, 2067, 2128, 2131, 2209, 2281, 2314, 2323, 2368, 2377, 2380, 2385, 2392, 2403, 2416, 2428, 2437, 2458, 2577, 2656, 2679, 2695, 2719, 2790, 2830, 2835, 2837, 2863, 2902, 2904-2905, 2944, 2946, 2949, 2996, 3032-3037, 3052, 3075, 3102, 3140, 3155, 3191, 3196, 3209, 3228, 3258, 3287-3288, 3310, 3384, 3468-3469, 3471, 3520, 3544, 3557, 3595, 3597, 3627, 3654, 3696, 3730, 3740, 3758, 3773, 3812, 3845, 3847, 3885, 3938, 4041, 4101, 4262-4263, 4275, 4298, 4316, 4341, 4363, 4377, 4388, 4418, 4463  
 ESTOSTERONE: 38, 106, 113, 147, 151-152, 160, 267, 290, 399, 419, 535, 586, 629, 651, 656, 678, 691, 693, 748, 762, 779, 818, 854, 856, 869, 881, 888, 891, 909, 918, 944, 957, 992-993, 1000, 1040, 1049-1050, 1118, 1121, 1127, 1129, 1173, 1179, 1221, 1243, 1248, 1270, 1352, 1356, 1488, 1567, 1603, 1617, 1669, 1676-1677, 1717, 1776, 1779, 1861-1863, 1892, 1939, 1954, 1961, 1973, 2019, 2067, 2079, 2126, 2129-2130, 2180, 2189, 216, 2232-2233, 2238, 2249, 2271, 2275, 2304, 2316, 2323, 2333, 2380, 2457, 2474, 2536, 2546, 2558, 2578, 2656, 2695, 2700, 2714-2715, 2734, 2744, 2755, 2790, 2900, 2902, 2904-2905, 2925, 2972, 2989, 3032-3034, 3036-3037, 3051, 3102, 3141, 3180, 3186, 3191, 3258, 3265, 3273, 3285, 298, 3324, 3328, 3367, 3374, 3384, 3471, 3508, 544, 3550, 3604, 3616, 3632, 3638, 3717-3718, 758, 3760, 3847, 3853, 3876, 3934, 3965, 3995, 026-4027, 4060, 4105, 4141, 4197-4198, 4222, 282, 4291, 4310, 4338-4339, 4362, 4377, 4387, 411, 4431, 4463  
 STOSTERONE 5-ALPHA-REDUCTASE: 79, 1350, 2350, 2558, 3172, 3880  
 STOSTERONE DEHYDROGENASES: 403, 194  
 TANUS TOXIN: 2322  
 TANY: 4059  
 TRABENAZINE: 3968  
 TRACAINE: 392  
 TRACHLORODIBENZODIOXIN: 267, 561, 3323  
 TRACYCLINE: 1117, 2815, 3423, 3440  
 TRACYCLINES: 173, 643, 1526  
 TRADACNOYLPHORBOL ACETATE: 181, 1565, 1839  
 TRAEHYLAMMONIUM COMPOUNDS: 371  
 TRAGASTRIN: 1438  
 TRAHYDROCANNABINOL: 563, 656, 854, 907, 2621, 3282  
 TRAHYDROCORTISOL: 3172  
 TRAHYDRONAPHTHALENES: 600, 3583, 169  
 TRAHYDROPAPAVEROLINE: 2954  
 TRAHYMENA PYRIFORMIS: 91, 819  
 TRALOGY OF FALLOT: 533  
 TRAZOLIM SALTS: 1618  
 TRODOTOXIN: 1289, 2471, 4396, 4421  
 ALAMIC NUCLEI: 1135, 1487, 1741, 3284, 34, 3516  
 ALAMUS: 760, 1032, 1189, 1254, 2311, 2773, 99, 4439  
 ALASSEMIA: 2275, 3659  
 ALLIUM: 1597, 1698  
 ECA CELL TUMOR: 1843, 2817  
 ECA CELLS: 4296  
 THEOBROMINE: 2347  
 THEOPHYLLINE: 186, 301, 484, 653, 1081, 1114, 1125, 1167, 1231, 1318, 1353, 1578, 1760, 1766, 1852, 1931, 2347, 2476, 2620, 2693, 3628, 3742, 3874, 4230, 4343  
 THERAPEUTIC EQUIVALENCY: 1911  
 THERMODYNAMICS: 166, 382, 1830, 2211, 2335, 3901, 3992, 4154-4155, 4361  
 THERMOGRAPHY: 54, 60, 3090, 3866  
 THERMOLUMINESCENT DOSIMETRY: 208, 2996  
 THERMORECEPTORS: 2015  
 THETA RHYTHM: 947  
 THIAMBUTOSINE: 2362  
 THIAMINE: 843, 1605, 2187  
 THIAMINE DEFICIENCY: 3195, 4521  
 THIAMINE PYROPHOSPHATASE: 3085  
 THIAZINES: 2161  
 THIAZOLES: 2362, 3587  
 THIOACETAMIDE: 3657  
 THIOCARBAMATES: 1043, 1953  
 THIOCYANATES: 602, 776, 822, 1351, 1931, 2035, 2326, 2831, 2957, 3492, 3539-3540, 3600, 3722, 3822  
 THIOGUANINE: 181, 1593  
 THIOINOSINE: 4358  
 THIONES: 2362  
 THIONUCLEOSIDES: 4014  
 THIOPENTAL: 1335, 4492  
 THIOPHENES: 2994  
 THIOSULFATES: 3090, 3822  
 THIOXETHENE: 4326  
 THIOURACIL: 1043, 1457, 2472  
 THIOUREA: 516, 618, 676, 819, 831, 851, 2262, 2875, 3419, 3848, 4154-4155  
 THIOXANTHENES: 1792  
 THIRST: 1215, 2892, 4240  
 THORACIC INJURIES: 3494  
 THORACIC NEOPLASMS: 719  
 THORACIC RADIOGRAPHY: 58, 722, 4048  
 THORAX: 318, 2487, 2921, 3694  
 THREONINE: 3800  
 THREONINE DEHYDRATASE: 3178  
 THROMBELASTOGRAPHY: 3355  
 THROMBIN: 972, 2156, 2727, 2917, 2994, 3878, 4259  
 THROMBOEMBOLISM: 917, 2293, 2532, 3417  
 THROMBOPENIA: 2648, 3109, 3332  
 THROMBOPHLEBITIS: 313, 2597, 4507  
 THROMBOSIS: 489, 739, 879, 1382  
 THROMBOXANE A2: 1495, 1984, 2911, 3961  
 THROMBOXANE B2: 99, 348, 805, 1100, 2094, 3309, 4102  
 THROMBOXANES: 99, 805, 1071, 1100, 1155, 1984, 1990, 2094, 2844, 3160, 3317, 4102, 4156  
 THYMECTOMY: 977, 1138, 1347, 1800, 2958, 2989, 4185  
 THYMIDINE: 1093, 1219, 1717, 2583, 3397, 3742, 4358  
 THYMIDINE KINASE: 2756  
 THYMIDINE MONOPHOSPHATE: 4022  
 THYMINE: 4358  
 THYMOMA: 466, 474, 596, 1347, 1800, 2084, 2619, 3080, 3120, 3261, 3473, 3664  
 THYMUS GLAND: 718, 977, 1138, 1347, 1428, 1796, 1836, 1846, 1876, 1949, 2171, 2958, 3326, 3579, 3623, 3668, 3981, 4287, 4316  
 THYMUS HYPERPLASIA: 1138, 2227  
 THYMUS NEOPLASMS: 466, 474, 596, 1138, 1347, 1800, 2084, 2619, 3080, 3120, 3261, 3473  
 THYROGLOBULIN: 1, 478, 2354, 2431, 2624, 2628, 2943, 3383, 3713, 3729, 3793, 4509  
 THYROID ANTAGONISTS: 134, 1199, 1301, 1408, 2362, 2521, 2683, 2896, 3646  
 THYROID CRISIS: 989, 1658  
 THYROID DISEASES: 13, 189, 271, 352, 440, 823, 914, 942, 979, 1116, 1161, 1305-1306, 1822, 2002, 2199, 2307, 2475, 2720, 2732, 2747, 2801, 2952, 2958, 3339, 3402, 3418, 3430, 3537, 3741, 3888, 4191, 4246-4247, 4305, 4489  
 THYROID FUNCTION TESTS: 189, 271, 341, 460, 823, 830, 1305-1306, 1546, 1853, 2143, 2161, 2170, 2341, 2419, 2421, 2475, 2723, 2996, 3194, 3363, 3402, 3418, 3422, 3428, 3519, 3910, 4325, 4474, 4489  
 THYROID GLAND: 1, 10, 65, 147, 189, 203-204, 208, 225, 312, 341, 351-352, 440, 488, 511, 518, 653, 664, 685, 773, 778, 796, 907, 977, 979, 1133, 1177, 1234, 1255, 1262, 1316, 1377, 1434, 1454, 1469, 1609, 1655, 1837, 1884, 1902, 1922, 1964, 2013, 2018, 2054, 2060, 2075, 2097, 2119, 2161, 2167, 2250, 2253-2254, 2305, 2313, 2322, 2351, 2419, 2441, 2506, 2516, 2550, 2570, 2582, 2584, 2624, 2642, 2656, 2732, 2896, 2912, 2920, 2943, 2955, 2996, 3046, 3114, 3144, 3148, 3153, 3187, 3302, 3383, 3389, 3429, 3467, 3546, 3584, 3590, 3679, 3700, 3729, 3743, 3767, 3791, 3860, 3935, 4165, 4191, 4208, 4215, 4305, 4359, 4391, 4393, 4509, 4518  
 THYROID GLAND, DESICCATED: 3538, 4376  
 THYROID HORMONES: 178, 217, 460, 555, 562, 575, 577, 680, 740, 773, 901, 1183, 1193, 1305-1306, 1398, 1599, 1781, 1837, 1857, 1872, 1884, 1891, 2143, 2167, 2183, 2253, 2313, 2489, 2544, 2732, 2943, 2955, 2959, 3265, 3413-3414, 3422, 3538, 3728, 3741, 3826, 3984, 4111, 4171, 4518  
 THYROID NEOPLASMS: 13, 72, 108, 120, 189, 272, 285, 371, 404, 578, 782, 807, 914, 920-921, 979, 1116, 1177, 1258, 1272, 1305-1306, 1365, 1392, 1432, 1454, 1461, 1474, 1632-1633, 1698, 1762, 1806-1807, 1841, 1952, 2002, 2147, 2161, 2306, 2354, 2383, 2492, 2506, 2555, 2585-2586, 2651, 2761, 2801, 2832, 2847, 2880, 2896, 2952, 3059, 3221, 3302, 3400, 3408, 3431, 3457, 3460, 3467, 3481, 3584, 3590, 3682, 3713, 3728, 3936, 3984, 4052, 4205, 4208, 4237, 4265, 4269, 4305, 4325, 4359, 4453-4455  
 THYROIDECTOMY: 68, 178, 191, 350, 461, 740, 1295, 1454, 1474, 1609, 1633, 1860, 1960, 2002, 2032, 2101, 2306, 2506, 2555, 2569, 2585, 2681, 2716, 2802, 2833, 2872, 2943, 2990, 3118, 3167, 3274, 3303, 3333, 3590, 3713, 3963, 3984, 4052, 4325, 4359, 4393, 4395  
 THYROIDITIS: 1, 189, 217, 478, 700, 1160, 1434, 1639, 1964, 1987, 2002, 2305, 2506, 2952, 3406, 3408, 3457  
 THYROIDITIS, LYMPHOMATOUS: 1814-1815, 2305, 2803, 3003, 3073, 3584, 3679, 3990, 4061, 4453-4454  
 THYRONINES: 2297  
 THYROTROPIN: 189, 222, 256, 341, 344, 395, 479, 575, 595, 653, 685, 731, 778, 888, 901, 922-923, 1056, 1091, 1148, 1161, 1183, 1199, 1257, 1262, 1316, 1434, 1479, 1546, 1632, 1648, 1837, 1864, 1867, 1937, 1943, 2013, 2060, 2076, 2120, 2143, 2167, 2275, 2290, 2315, 2322, 2341, 2351, 2400, 2477, 2479, 2530, 2550, 2565, 2582, 2584, 2618, 2774, 2802, 2857, 2901, 2912, 2922, 3148, 3163, 3194, 3265, 3333, 3369, 3376, 3405, 3428-3429, 3449, 3538, 3575, 3662, 3729, 3767, 3803, 3860, 3892, 3910, 4007, 4039, 4111, 4129-4130, 4285, 4288, 4407, 4518  
 THYROTROPIN RELEASING HORMONE: 126, 189, 217, 235, 271, 469, 479, 552, 595, 685, 778, 824, 826-827, 877, 901, 922-923, 984, 997, 1136, 1161, 1193, 1199, 1210, 1316, 1434, 1499, 1506, 1655, 1690, 1837, 1943, 1947, 1951, 1959, 1963, 2076, 2108, 2167, 2253, 2270, 2341, 2400, 2425, 2448, 2477, 2584, 2609, 2723, 2774, 2802, 2901, 2909, 2912, 2959, 3227, 3405, 3428, 3538, 3555, 3575, 3801-3803, 3860, 4005, 4007, 4039, 4129-4130, 4407  
 THYROXINE: 10, 55, 189-190, 204, 298, 341, 527, 575, 577, 641-642, 685, 778, 823, 989, 1043, 1068, 1133, 1148, 1161, 1183, 1198-1199, 1237, 1262, 1402, 1408, 1470, 1546, 1587, 1610, 1619, 1768, 1814-1815, 1822, 1857, 1872, 1890, 1937, 1960, 1972, 2060, 2071, 2097, 2136, 2143, 2351, 2419, 2421, 2431, 2477, 2516, 2565, 2591, 2656, 2723, 2749, 2774, 2868, 2891, 2955, 3133, 3305, 3328, 3338, 3357, 3363, 3376, 3386, 3389, 3405, 3413, 3428-3429, 3489, 3537-3538, 3553, 3575, 3662, 3708, 3729, 3755, 3767, 3791, 3826, 3860, 3890, 3892, 3910, 4017, 4030, 4108, 4111, 4129, 4203, 4216-4217, 4325, 4356-4357, 4373, 4442, 4489, 4518  
 THYROXINE BINDING PROTEIN: 217, 575, 823, 1183, 1815, 2475, 2660, 2809, 3429, 3586-3587, 3966, 4108, 4472-4473, 4489  
 TIBIA: 51, 709, 1057, 2929  
 TIBIAL FRACTURES: 2141, 2931  
 TICKS: 2524  
 TIDAL VOLUME: 1335  
 TIME: 2298  
 TIME FACTORS: 75, 101, 105-106, 112, 128, 148, 161, 178, 203, 208, 261, 274, 280, 283, 290-291, 302, 312, 317, 334, 338, 341, 360, 369, 388, 407, 409, 418, 458, 485-486, 519, 536, 548, 553, 572,



# SUBJECT INDEX

- 578, 587-588, 599, 603, 626, 645, 649, 676, 689, 710, 720, 730-731, 736-737, 746, 813, 815, 821-822, 826, 833, 851, 860, 870, 898, 900, 906, 924, 937-938, 948, 955, 973, 996, 1014, 1042, 1060, 1068, 1076, 1079, 1084, 1086, 1114, 1152, 1166, 1174, 1199-1200, 1210, 1214, 1227, 1237-1238, 1242, 1246-1247, 1249, 1281, 1298, 1320, 1335, 1337, 1348, 1358, 1371, 1397, 1409, 1413, 1415, 1417, 1423, 1426, 1455, 1481, 1502, 1504, 1525-1526, 1548-1550, 1561, 1569, 1577, 1580, 1584, 1625, 1638, 1654, 1658, 1660-1661, 1663, 1665, 1680, 1695, 1716, 1721, 1756, 1764, 1776-1777, 1783, 1785, 1789, 1794, 1797, 1799, 1854, 1866, 1871, 1876, 1882, 1904, 1906, 1915, 1928, 1936, 1946, 1949, 1982, 1989, 1998, 2020, 2024-2025, 2034, 2045, 2047, 2051, 2054, 2056, 2113, 2133, 2158, 2161, 2167, 2177, 2208, 2210, 2272, 2302, 2308, 2320, 2355, 2358, 2365, 2369, 2388, 2408, 2423, 2427, 2440, 2443, 2450, 2472, 2491, 2525, 2532-2533, 2538, 2543, 2545, 2551, 2557, 2572-2573, 2596, 2601-2602, 2614, 2621, 2623, 2629, 2652, 2659, 2673, 2680, 2683, 2695, 2697, 2701-2702, 2721, 2733, 2756, 2770, 2779-2780, 2782, 2798-2799, 2806, 2819, 2840, 2851-2852, 2859, 2873, 2890, 2893, 2899, 2905, 2908, 2927, 2937, 2966, 2970, 2984, 3081, 3087, 3095, 3103, 3113, 3154, 3160, 3171, 3173, 3196, 3226, 3230, 3235, 3241, 3249, 3263, 3266, 3268, 3274, 3277, 3283, 3307, 3312, 3324, 3331, 3345, 3348, 3365, 3400, 3410, 3419, 3432, 3463, 3468, 3495-3497, 3507, 3528, 3556, 3588, 3601, 3604, 3629, 3654, 3668, 3692, 3698-3699, 3710, 3712, 3718, 3720, 3726, 3729, 3764, 3774, 3779, 3812, 3846, 3860, 3867, 3876, 3882, 3884, 3888, 3913, 3927, 3954, 3958-3959, 4002, 4026, 4039, 4053, 4066, 4087, 4098, 4119, 4124, 4130, 4184, 4206, 4208, 4210, 4224, 4231, 4279, 4301, 4326, 4342, 4366, 4395-4398, 4435, 4456, 4464, 4468, 4471, 4477, 4479, 4481, 4510
- TIMOLOL: 537, 2930
- TIN: 4395
- TINEA: 3231
- TINNITUS: 104
- TISSUE CULTURE: 384, 797, 873, 1082, 1582, 1766, 2375, 2413, 2842, 2993, 3275, 3278, 3599, 3620, 4386, 4481
- TISSUE DISTRIBUTION: 28, 37, 195, 324, 410, 508, 535, 710, 892, 1497, 1791, 2040, 2423, 2598, 2634, 2837, 3125, 3147, 3230, 3805, 4075, 4429
- TISSUE DONORS: 1523, 3696
- TISSUE EXTRACTS: 195, 857, 859, 1021, 1234, 1656, 2334, 2391, 2626, 3093, 3675, 3738, 3991, 4152, 4321, 4376
- TISSUE PRESERVATION: 4098, 4434, 4471
- TITANIUM: 2821
- TOLAZOLINE: 335
- TOLBUTAMIDE: 3254
- TOMOGRAPHY, COMPUTERIZED AXIAL: 81, 286, 313, 566-567, 722, 867, 1211, 1309, 1360, 1570, 1667, 1787, 1888, 1901, 1964, 2063, 2487, 2570, 2597, 3415, 3424, 3499
- TONGUE: 3389, 4046
- TONGUE NEOPLASMS: 1926, 2412, 4454
- TONOMETRY: 2370
- TONSILLITIS: 3187
- TOOTH: 357, 593, 747, 2069, 3225
- TOOTH ABNORMALITIES: 1299, 1324
- TOOTH EXTRACTION: 357, 1117, 2355, 2697
- TOOTH GERM: 1441
- TOOTH, IMPACTED: 2355
- TORSION: 1123, 4201
- TOUCH: 1920, 3554
- TOURNIQUETS: 1022
- TOXAPHENE: 2242
- TOXICOLOGY: 1853
- TRACE ELEMENTS: 291, 2577, 2997
- TRACHEA: 561, 1409, 2091, 2219, 2880, 3444
- TRACHEAL DISEASES: 2084, 3869
- TRACHEAL NEOPLASMS: 1432, 2880
- TRACHEAL STENOSIS: 1432, 2880
- TRACHEOTOMY: 1320, 1432, 3444
- TRAGACANTH: 3443
- TRANEXAMIC ACID: 4469
- TRANQUILIZING AGENTS: 758, 2839
- TRANQUILIZING AGENTS, MAJOR: 33, 369, 491, 705, 815, 935, 1232, 1395, 1792, 1879, 2338, 2683, 2689, 3097, 3610, 3617, 3815, 4113, 4124
- TRANQUILIZING AGENTS, MINOR: 2683
- TRANSALDOLASE: 2080
- TRANSCORTIN: 29, 43, 909, 1331, 2014, 2310
- TRANSCRIPTION, GENETIC: 142, 289, 323, 684, 704, 1581, 1668, 2231, 2593, 2942, 3124, 3319
- TRANSFER FACTOR: 2648
- TRANSFERASES: 1085
- TRANSFERRIN: 62, 1431
- TRANSILLUMINATION: 2946, 4188
- TRANSKETOLASE: 2080
- TRANSLATION, GENETIC: 323, 365, 377, 461, 684, 865, 1581, 1668, 1856, 2231, 2272-2273, 3218, 3897, 4324
- TRANSLOCATION (GENETICS): 2214, 2340, 2437, 4223, 4513
- TRANSPLANTATION, ALLOGENEIC: 406, 558, 573, 1357, 1375, 1507, 1523, 1981, 2792, 3055, 3088, 3696, 3872, 4471
- TRANSPLANTATION, AUTOLOGOUS: 247, 494, 632, 1998, 2365, 2648, 3055, 3238, 4242
- TRANSPLANTATION, HETEROLOGOUS: 1034, 1094, 3536, 4300, 4426
- TRANSPLANTATION, HOMOLOGOUS: 48, 468, 582, 786, 860, 1099, 1150, 1290, 1336, 1609, 2446, 2648, 2827, 2871, 2893, 3443, 3558, 3756, 3846, 4242
- TRANSPLANTATION IMMUNOLOGY: 558, 1507
- TRANSPLANTATION, ISOGENEIC: 860, 1375, 1735
- TRANSSEXUALISM: 309, 2779, 2798, 2966, 4307
- TRANSVESTISM: 309, 2779
- TRANLYCYPROMINE: 2339, 4429
- TREMOR: 342, 423, 1048, 2839, 3354, 3581
- TRENBOLONE: 4176
- TREPONEMA PALLIDUM: 2835
- TRETINOIN: 643
- TRIAMCINOLONE: 88, 761, 1196, 1856, 2426, 2607, 3464, 3502, 3715
- TRIAMCINOLONE ACETONIDE: 27, 188, 289, 506, 570, 720, 1079, 1429, 1493, 1793, 2175, 3611, 4410
- TRIAZINES: 3048
- TRIAZOLAM: 1410
- TRIAZOLES: 2052
- TRIBENOSIDE: 4523
- TRICHLOROACETIC ACID: 3422
- 2,4,5-TRICHLOROPHENOXYACETIC ACID: 3812
- TRICHOPHYTON: 3231
- TRIFLUOROTHYIMIDINE: 2007
- TRIGEMINAL NERVE: 2897
- TRIGLYCERIDES: 521, 784, 975, 1019, 1172, 1242, 1356, 1398, 1518, 2080, 2625, 2639, 3141, 3655, 3807, 4062
- TRIIODOTHYRONINE: 62, 135, 189, 341, 413, 499, 527, 555, 575, 595, 605, 685, 778, 823, 989, 1043, 1068, 1133, 1160-1161, 1183, 1199, 1201, 1262, 1387, 1402, 1408, 1546, 1587, 1610, 1619, 1730, 1815, 1822, 1837, 1857, 1937, 1972, 2060, 2143, 2195, 2297, 2327, 2351, 2393, 2421, 2431, 2516, 2565, 2591, 2660, 2723, 2749, 2752-2754, 2774, 2802, 2868, 2909, 2945, 2955, 3153, 3274, 3303, 3305, 3376, 3386, 3428-3429, 3476, 3538, 3575, 3662, 3708, 3767, 3826, 3860, 3910, 3966, 4017, 4079, 4111, 4203, 4325, 4356, 4474, 4489
- TRIIODOTHYRONINE, REVERSE: 575, 1619, 2060, 2097, 2351, 2909, 3386, 4017, 4203, 4356
- TRIMECAINE: 3948
- TRIMETHAPHAN: 3977
- TRIPARANOL: 3297
- TRISOMY: 24, 339, 2214
- TRITIUM: 290, 453, 944, 1057, 1862, 2097, 2394, 2988, 3283, 3661, 3840, 4035
- TRITONS: 4075, 4432
- TRITURUS: 1044
- TRITYL COMPOUNDS: 2152
- TROMETHAMINE: 429
- TROPHOBLAST: 230, 301, 1393
- TROPHOBLASTIC TUMOR: 604, 886
- TROPICAL CLIMATE: 664
- TROPONIN: 756, 3650, 4281
- TROUT: 1575, 2066, 3400, 4013
- TRYPSIN: 392, 697, 728, 1002, 1520, 2244, 2367
- TRYPSIN INHIBITORS: 71, 140
- TRYPTAMINES: 480, 1372, 1746, 1955, 2265, 2511, 2964, 3436, 4125
- TRYPTOPHAN: 307, 408, 837-838, 1626, 1907, 2201, 2582, 3195, 3304, 3512, 3800, 3996, 4280, 4285, 4429
- TRYPTOPHAN HYDROXYLASE: 307, 1626, 2452, 2671, 3304, 3749, 4126
- TRYPTOPHAN OXYGENASE: 4206
- TRYPTOPHANASE: 12
- TUBER CINEREUM: 2381
- TUBERCULIN TEST: 1216, 3532
- TUBERCULOSIS: 1977
- TUBERCULOSIS, ENDOCRINE: 2029
- TUBERCULOSIS IN CHILDHOOD: 3829
- TUBERCULOSIS, MALE GENITAL: 3854
- TUBERCULOSIS, MENINGEAL: 3828
- TUBERCULOSIS, MILIARY: 894, 1797, 2115
- TUBERCULOSIS, PULMONARY: 476, 1117, 1797, 2115, 3143, 3626
- TUBEROUS SCLEROSIS: 1710
- TUBOCURARINE: 456, 2471
- TUBULIN: 3042
- TUMOR VIRUS INFECTIONS: 377, 786, 11341, 1375, 2501, 2786
- TUNICAMYCIN: 365
- TURBIDIMETRY: 2269
- TURKEYS: 375-376, 633, 1895, 2530, 2816, 4055-4056
- TURNER'S SYNDROME: 24, 185, 414, 1117, 1293, 1328, 1363, 1811, 2340, 2885, 2907, 3078, 3174, 3437, 3475, 3769, 3861, 3940, 4168, 4368, 4417
- TURTLES: 586, 2271, 2380, 2499
- TWINS: 3911
- TWINS, DIZYGOTIC: 903
- TWINS, MONOZYGOTIC: 903
- TYMPANIC MEMBRANE: 697
- TYPHOID: 4231
- TYRAMINE: 17, 3436
- TYROSINE: 1296, 1626, 1907, 2307, 3274, 4123, 2273, 2307, 2756, 3836, 4206, 4366
- TYROSINE AMINOTRANSFERASE: 82, 2132, 2273, 2307, 2756, 3836, 4206, 4366
- TYROSINE HYDROXYLASE: 170, 360, 71035, 1059, 1085, 1143, 1420, 1626, 2461, 2511, 4126, 4144, 4404

U

- UDP GLUCURONOSYLTRANSFERASE: 4349
- ULNA: 51, 2345
- ULTIMOBRANCHIAL BODY: 5, 440, 2193400
- ULTRASONIC THERAPY: 551, 2212
- ULTRASONICS: 189, 306, 326, 566-567, 91015, 1211, 1449-1450, 1532, 1556, 1566, 1901, 2001, 2523, 2726, 2747, 2766, 2925, 3327, 3415, 3499, 3564, 4004, 4057, 4302, 4450
- ULTRAVIOLET RAYS: 388, 1113, 1722, 193953
- ULTRAVIOLET THERAPY: 791, 1579
- UMBILICAL ARTERIES: 1614, 3210, 4444
- UMBILICAL CORD: 335, 386, 2294, 2590
- UMBILICAL VEINS: 723, 1614, 2517
- UMBILICUS: 3702
- UNITED STATES FOOD AND DRUG ADMINISTRATION: 4501
- UNITED STATES NATIONAL INSTITUTE OF HEALTH: 1168, 2663, 4493
- URBAN POPULATION: 3144
- UREA: 53, 333, 831, 992, 1386, 2608, 3800, 4251, 4314
- UREMIA: 169, 333, 429, 495, 521, 531, 560, 1107, 1317, 2019, 2201, 2625-2626, 2675, 3272, 4104, 4443, 4498
- URETER: 223, 1873, 2626, 2649, 2667, 3272, 4207, 4294
- URETERAL DISEASES: 1873, 4131, 4207
- URETERAL NEOPLASMS: 1865, 3589
- URETERAL OBSTRUCTION: 1105
- URETHANE: 409, 2643
- URETHRA: 1706, 2936, 2981
- URETHRAL DISEASES: 2936
- URETHRAL OBSTRUCTION: 2667
- URETHRAL STRICTURE: 1873
- URIC ACID: 212, 2112, 3160, 3898
- URIDINE: 965, 1039, 2097, 3852
- URIDINE DIPHOSPHATE GLUCOSE DEHYDROGENASE: 1863
- URIDINE TRIPHOSPHATE: 1863
- URINARY CALCULI: 1515, 2667, 2826, 4013
- URINARY DIVERSION: 1439, 3272
- URINARY FISTULA: 1873
- URINARY INCONTINENCE: 470, 2981, 3119
- URINARY TRACT: 58, 1195, 2667



# SUBJECT INDEX

URINARY TRACT INFECTIONS: 700, 1515, 1873, 2486, 3272, 4372, 4437  
 URINATION: 2936, 4106  
 URINATION DISORDERS: 2981  
 URINE: 1027, 1176, 1386, 1783, 2990, 3601, 3754  
 URODYNAMICS: 3243  
 UROGENITAL NEOPLASMS: 81, 2667, 3243, 4003  
 UROGENITAL SYSTEM: 1439, 4418  
 UROGRAPHY: 1126, 1482, 1611, 3856, 4048, 4137, 4207  
 UROKINASE: 4469  
 UROLOGIC DISEASES: 108, 2667, 2981, 3243  
 UROLOGIC NEOPLASMS: 639  
 URONIC ACIDS: 412  
 UROTENSINS: 1364  
 URTICARIA: 607, 1820, 1940, 2102, 2701, 3166  
 URTICARIA PIGMENTOSA: 64  
 UTERINE CONTRACTION: 745, 1577, 1586, 1996, 3053, 3066, 3307, 3395, 4311  
 UTERINE DISEASES: 650  
 UTERINE HEMORRHAGE: 75, 1060, 1756, 1789, 3206, 3355  
 UTERINE INERTIA: 932, 3881  
 UTERINE NEOPLASMS: 122, 177, 230, 252, 306, 604, 691, 886, 901, 963, 1308, 1406, 1756, 1789, 1889, 2104, 2302, 2342, 2527, 2604, 2662, 2730, 3012, 3078, 3119, 3426, 3462, 3536, 3588, 3685, 3703, 3891, 4032, 4057, 4232, 4337, 4450  
 UTERINE PERFORATION: 3417  
 UTERINE PROLAPSE: 1957, 2936  
 UTEROGLOBIN: 265, 3619  
 UTERUS: 67, 80, 93, 255, 258, 277, 483, 619, 661, 690-691, 723, 725, 735, 745, 821, 857, 861, 998, 1325, 1334, 1549, 1628, 1708, 1785, 1978, 2059, 2151, 2164, 2348, 2453, 2517, 2525, 2558, 2593, 2595, 2771, 2836, 2852, 2956, 3030, 3053, 3081, 3116, 3151, 3158, 3201, 3226, 3330, 3373, 3416, 3619, 3642, 3747, 3819, 3847, 4022, 4176, 4262, 4311, 4375, 4467  
 VEAL DISEASES: 4218

## V

VACCINES: 3982  
 ACUOLES: 1196, 1307, 2674, 3084, 3655  
 AGINA: 15, 543, 661, 735, 1009, 1556, 1628, 2048, 2572-2573, 2595, 2849, 2936, 3107, 3710, 4307  
 AGINAL NEOPLASMS: 177, 579, 2203, 3057, 3462, 4032  
 AGINAL SMEARS: 294, 2974, 3710  
 AGOTOMY: 237, 2636, 3224, 3263  
 AGUS NERVE: 671, 1831, 1980, 2420, 3224, 4177  
 ALINE: 439  
 ALINOMYCIN: 2449, 3593  
 ALPROATE: 1183  
 ANADIUM: 2821  
 ANILMANDELIC ACID: 1030, 2899, 3020, 3190  
 ARIATION (GENETICS): 1548, 3665, 3890  
 ARICOCELE: 427, 1240, 1430, 1500, 3032, 3287, 4214, 4291, 4295  
 ARICOSE VEINS: 2664, 3415, 3480, 4488, 4507  
 AS DEFERENS: 317, 668, 801, 1499, 3511, 3938, 4350  
 ASCULAR DISEASES: 607, 1105, 2197, 2717  
 ASCULAR RESISTANCE: 335, 381, 452, 473, 836, 839, 856, 871, 1707, 2072, 2517, 2829, 4464, 4515  
 ASCULAR SURGERY: 3493  
 ASCULITIS, ALLERGIC CUTANEOUS: 3851  
 ASECTOMY: 668, 3710  
 ASOACTIVE INTESTINAL PEPTIDE: 897, 2173, 2769, 3481, 3500, 3599, 4522  
 ASOCONSTRICTION: 836, 1361, 1574, 1707, 283, 2429, 2517, 2519, 3348, 3838, 3916  
 ASOCONSTRICTOR AGENTS: 1311, 2229, 277, 2636, 3138, 3937, 4511  
 ASODILATION: 322, 437, 742, 1400, 3348, 416, 3465, 4369  
 ASODILATOR AGENTS: 94, 538, 871, 1195, 213, 1934, 2277, 2702, 3138, 3488  
 ASOMOTOR SYSTEM: 1709, 1934, 3781  
 ASOPRESSINS: 12, 89, 111, 268, 321, 380, 411, 73, 540, 636, 679, 710, 745, 813, 835, 892, 926, 58, 962, 1013-1014, 1046, 1156, 1229, 1339,

1404, 1526, 1642, 1709, 1842, 1903, 1916, 2148, 2183, 2193, 2205, 2370, 2495, 2614, 2630, 2633, 2776, 2867, 2869, 2892, 2938, 2975, 3045, 3083, 3212, 3348-3349, 3535, 3799, 4007, 4023, 4235, 4240, 4465  
 VASOTOCIN: 1339, 1424  
 VEGETABLES: 735  
 VEHICLES: 73, 874, 3348  
 VEINS: 77, 419, 723, 933, 945, 1105, 1240, 1430, 2041, 2361, 2421, 2463, 2667, 2829, 3110, 3712, 3714, 3757, 4199  
 VENA CAVA, INFERIOR: 2597  
 VENA CAVA, SUPERIOR: 3869, 3898  
 VENAE CAVAE: 2361  
 VENEREAL DISEASES: 2486  
 VENOUS PRESSURE: 1240, 2197  
 VENTRICULAR FIBRILLATION: 1407, 4177  
 VENTRICULOGRAPHY, CEREBRAL: 3942  
 VENULES: 3714  
 VERATRIDINE: 2022, 2116, 2975  
 VERATRINE: 2116, 2975  
 VERBAL BEHAVIOR: 85, 1284, 1879  
 VERNIX CASEOSA: 2269  
 VERTEBRATES: 2017, 3136  
 VESICO-URETERAL REFLUX: 2649  
 VESTIBULAR NUCLEI: 3284  
 VIBRATION: 4070  
 VIBRIO CHOLERAE: 3867  
 VIDARABINE: 2007  
 VINBLASTINE: 780, 1069, 1542, 1766, 1994, 3445, 3986, 4335  
 VINCA ALKALOIDS: 780, 834, 4077, 4334  
 VINCRISTINE: 524, 599, 780, 955, 1108, 1249, 1381, 1415, 1571, 1592-1594, 1638, 2090, 2279, 2564, 2699, 2979, 3055, 3410, 3576, 3816, 4422, 4433  
 VINYL COMPOUNDS: 3606  
 VIRAL INTERFERENCE: 1479  
 VIRAL PROTEINS: 377, 1191, 1257, 2501, 2989, 3022  
 VIRILISM: 1367, 2105, 2750  
 VIRULENCE: 1859  
 VIRUS DISEASES: 2669  
 VIRUS REPLICATION: 377, 2982, 3193, 3362, 4014  
 VIRUSES: 1216  
 VISION: 2145, 4485  
 VISION DISORDERS: 629, 830, 1302, 1636, 2278, 3072, 3415  
 VISION TESTS: 3764, 4171  
 VISUAL ACUITY: 2028, 2792, 3764  
 VISUAL CORTEX: 2549, 2894, 3122, 4125, 4166  
 VISUAL FIELDS: 830, 1302, 2028, 3926  
 VISUAL PERCEPTION: 85, 1818, 3764, 3926, 4166  
 VITAMIN A: 239, 643, 660, 706, 751, 1243, 1582, 1691, 3342, 4107  
 VITAMIN A DEFICIENCY: 2199, 4384, 4521  
 VITAMIN B 12: 1605, 1610, 2187, 2532, 3662  
 VITAMIN B COMPLEX: 239  
 VITAMIN B DEFICIENCY: 843, 1634  
 VITAMIN D: 169, 201, 239, 291, 476, 532, 751, 929, 1057, 1149, 1522, 1612, 1688, 1763, 1967, 2510, 2675, 2812, 3014, 3186, 3216, 3260, 3984, 4200, 4483  
 VITAMIN D DEFICIENCY: 507, 532, 791, 1101, 2635, 2812, 3014, 3162, 3752, 3789, 3839, 3991, 4091, 4200, 4340, 4516  
 VITAMIN E: 706, 751, 4362  
 VITAMIN K: 2374-2375, 2557, 2917  
 VITAMINS: 292, 439, 531, 828, 843, 1176, 1585, 2208, 2540, 3569  
 VITELLOGENIN: 1118, 1517, 2309, 3784, 4324  
 VITILIGO: 510, 3721  
 VOCAL CORD PARALYSIS: 3167, 3984  
 VOCAL CORDS: 1295  
 VOCALIZATION, ANIMAL: 2404-2405, 2985  
 VOICE DISORDERS: 1692  
 VOMITING: 810, 1373, 1400, 3235, 3648, 4251  
 VON WILLEBRAND FACTOR: 879  
 VON WILLEBRAND'S DISEASE: 2697  
 VULVAR NEOPLASMS: 551, 579, 2009, 3057, 3462

## W

WAKEFULNESS: 109, 3265, 4066  
 WARFARIN: 2374, 4039  
 WASTE DISPOSAL, FLUID: 2668, 2971

WATER: 127, 165, 186, 905, 1215, 2608, 3286, 4154-4155, 4312, 4329, 4458  
 WATER DEPRIVATION: 2495  
 WATER-ELECTROLYTE BALANCE: 89, 268, 412, 473, 481, 905, 1425, 1729, 1783, 1903, 2495, 2633, 2651, 2938, 3541, 3607, 3753-3754  
 WATER-ELECTROLYTE IMBALANCE: 589, 1229, 3244-3245, 3898  
 WATER INTOXICATION: 473  
 WATER POLLUTANTS: 1676, 2668, 3820  
 WATER POLLUTANTS, CHEMICAL: 1676, 2668, 3820  
 WATER SUPPLY: 1301  
 WEANING: 264, 1527, 2025  
 WECHSLER SCALES: 2778  
 WEGENER'S GRANULOMATOSIS: 1616, 4139  
 WEIGHTLESSNESS: 3196  
 WERNER'S SYNDROME: 123  
 WHEAT: 865  
 WOLFF-PARKINSON-WHITE SYNDROME: 3651  
 WOLFFIAN DUCT: 4372  
 WOMEN: 4322  
 WORK CAPACITY EVALUATION: 2317  
 WORLD HEALTH ORGANIZATION: 292  
 WOUND HEALING: 1186, 1588, 1956, 2141, 2403, 3350, 3419  
 WOUNDS AND INJURIES: 76, 1855, 1956  
 WOUNDS, GUNSHOT: 580  
 WOUNDS, PENETRATING: 3494  
 WRIST JOINT: 597, 1817

## X

X CHROMOSOME: 24, 386, 1175, 1299, 1476, 1726, 2340, 2385, 2780, 2918, 2923, 2961, 3364, 3403, 3613, 3706, 3825, 4073, 4092, 4159, 4274, 4399  
 X-RAY DIFFRACTION: 3782  
 X-RAY THERAPY: 3431  
 X-RAYS: 25, 2004, 2057, 2131, 3129, 3241  
 XANTHINE OXIDASE: 1884, 2262  
 XANTHINES: 3924  
 XANTHOMA, JUVENILE: 4438  
 XANTHOMATOSIS: 2850, 3936  
 XENOPUS: 259, 1017, 2272, 3784  
 XERODERMA PIGMENTOSUM: 559, 1940, 3975  
 XERORADIOGRAPHY: 3621, 4048  
 XYLOSE: 997  
 XXX KARYOTYPE: 310, 1130, 1809, 2632, 4173

## Y

Y CHROMOSOME: 386, 414, 715, 1007, 1175, 1293, 1630, 3364, 3825, 4223, 4513  
 YERSINIA: 3339  
 YERSINIA INFECTIONS: 2567  
 YOHIMBINE: 4362  
 YOLK SAC: 1554, 4467  
 YTTRIUM RADIOISOTOPES: 3213, 4237

## Z

ZEARALENONE: 316, 1260, 2059, 3695  
 ZERANOL: 1260, 4374  
 ZINC: 102, 291, 486, 779, 828, 1635, 2025, 2540, 2997, 3001, 3509, 4067, 4316  
 ZOLLINGER-ELLISON SYNDROME: 344, 3126, 4269  
 ZYGOTE: 4225  
 ZYMOSAN: 454

مجله علمی و ادبی "آب و تاب"



# AUTHOR INDEX

## A

- Aakvaag A: 3508  
 Aarli JA: 1  
 Ab G: 4324  
 Abad Alonso JA: 2  
 Abd-el-Fattah M: 3  
 Abdalla HM: 4  
 Abdel-Magied EM: 5  
 Abdou HM: 6  
 Abdul-Karim R: 184  
 Abdulla U: 1080  
 Abe H: 7, 1810, 3533  
 Abe K: 8-9, 1962, 4408  
 Abe M: 1576  
 Abel D: 4481  
 Abel MH: 10  
 Abelson MB: 3128  
 Abendroth K: 11  
 Aber VR: 1859  
 Aberg L: 312  
 Abou-Sabe' M: 12  
 Aboulafia Y: 4295  
 Abraham AD: 535  
 Abraham NA: 1824  
 Abraham Bermúdez J: 3643  
 Abrahámová J: 2546  
 Abrahams C: 13  
 Abramian AA: 297  
 Abramovitz E: 3279  
 Abrams LS: 14, 4289  
 Abrams RM: 15  
 Abuaf N: 1021  
 Abul-Hajj YJ: 16  
 Accchiardo SR: 1906  
 Aceto T Jr: 2693  
 Ackerhalt R: 2223  
 Ackerly JA: 17  
 Ackerman LV: 154  
 Acott TS: 1758  
 Acunzo S: 500-501  
 Adachi H: 2808  
 Adam CE: 3735  
 Adam SE: 1510  
 Adam WE: 130  
 Adami HO: 18  
 Adami Lami Conti C: 582  
 Adams AF: 19  
 Adams BK: 20  
 Adams DB: 21  
 Adams JB: 22  
 Adams NR: 23, 3994  
 Adams PH: 884  
 Adams WM: 250  
 Adams WP: 1911  
 Adamyan FA: 200  
 Adelman DN: 2023  
 Adelman SJ: 406  
 Adinolfi M: 24  
 Adler VV: 987, 1833  
 Adolphe M: 1222  
 Al-Adra AR: 25  
 Afanas'eva NB: 2114  
 Agarwal GD: 26  
 Agarwal MK: 27-29  
 Agarwal SP: 30  
 Agarwal VK: 30  
 Agid R: 2257  
 Agnati LF: 1292, 3602  
 Agup G: 31  
 Aguado Matorras A: 634, 906  
 Aguilar Pacin N: 1605  
 Aguilera G: 32  
 Aguirre L: 2781  
 Agarony D: 3309  
 Ahlman H: 2469  
 Ahluwalia BS: 3258  
 Ahmad A: 30  
 Ahn HS: 33-34, 4019  
 Ahnfelt-Rønne I: 3048  
 Ahumada Padilla M: 35  
 Aiche JM: 36  
 Aikawa JK: 37  
 Aiman J: 38  
 Aire TA: 1813  
 Aitken SC: 61  
 Ajlouni K: 2736  
 Akaike N: 512  
 Akasaka K: 4388  
 Akatsuka J: 39  
 Akera T: 4397  
 Akerman KE: 40  
 Akerström G: 1474  
 Akesson R: 41  
 Akgun S: 42  
 Akhram AA: 43  
 Akhrem AA: 44  
 Akhtar M: 45, 3784  
 Akil H: 4273  
 Akimoto T: 1944  
 Akizawa T: 2093  
 Akmaev IG: 46  
 Aksel'rad LL: 536  
 Aksenova VM: 47  
 Alaghband-Zadeh J: 855  
 Alagna S: 923, 2618  
 Alamo C: 827  
 Alarcón Zurita A: 48  
 Albanese AA: 49  
 Albert DJ: 50  
 Albert J: 1350  
 Alberts DS: 1562  
 Albizzati MG: 253  
 Albu I: 51  
 Alcocer J: 2300  
 Aldridge WN: 52  
 Aleck KA: 53  
 Alekhin VI: 2214  
 Aleksandrov NN: 54  
 Aleksandrova GF: 3860  
 Aleksandrovskaia RA: 2652  
 Alexander NM: 55  
 Alexandre C: 56  
 Alexandrová M: 57  
 Alexiou D: 106  
 Alfonso M: 2173  
 Alford BA: 58  
 Alfson A: 4194  
 Algard FT: 59  
 Ali M: 1390  
 Ali SA: 4  
 Ali SF: 1597  
 Alicandri C: 2825  
 Aliev MG: 2227  
 Alipov VI: 60  
 Allegra JC: 61-63, 2407  
 Allen BR: 64  
 Allen C: 813  
 Allen CE: 1629  
 Allen IV: 65  
 Allen JC: 66  
 Allen JD: 4346  
 Allen R: 4272  
 Allen WE: 67  
 Allfrey VG: 4367  
 Alltree M: 549  
 Alluchon-Gérard MJ: 48  
 Ally AI: 1984, 2580  
 Almay BG: 69  
 Almeida CA: 2774  
 Almqvist S: 2953  
 Aloni B: 401  
 Alonso G: 70  
 Alpert W: 71  
 Alran R: 2284  
 Alston C: 787  
 Altavilla G: 786  
 Altenbrunn HJ: 72  
 Altier H: 2785  
 Altman N: 1490  
 Altsheler P: 73  
 Altshuler G: 2478  
 Altszuler N: 1569  
 Altwein JE: 1861-1862  
 Alumets J: 74  
 Alvarez F: 75  
 Amadori G: 531  
 Amakata Y: 2847  
 Amaki I: 1686  
 Amann RP: 1908  
 Amantini L: 3468  
 Amara F: 1133  
 Amato JJ: 76  
 Ambach G: 77  
 Amemiya Y: 1686  
 Amerigo J: 3065  
 Amery A: 1131-1132  
 Amery AK: 2387-2388  
 Ametov AS: 2056  
 Amijima K: 2015  
 Amino K: 3038  
 Amino N: 78  
 Aminoff MJ: 79  
 Amitani K: 2123  
 Amma MK: 80, 2233, 4158  
 Ammon J: 81  
 Amory C: 82, 2544  
 Amoss M: 552  
 Amplatz K: 1022  
 Amsbaugh DF: 2594  
 Amstutz HE: 83  
 Anthor M: 2676  
 Anaclerio A: 84  
 Anagnostelis C: 3239  
 Anand BK: 2578  
 Anandan JA: 2362  
 Ananthakrishnan N: 1976  
 Anavekar SN: 2451  
 Andersen ED: 1660  
 Andersen R: 85  
 Andersen SR: 86  
 Anderson AB: 2751  
 Anderson CH: 87  
 Anderson GB: 1600  
 Anderson HC: 1074, 1769  
 Anderson JA: 88  
 Anderson JN: 726  
 Anderson PA: 3647  
 Anderson RA: 187, 316  
 Anderson RJ: 89  
 Anderson RR: 1068  
 Anderson T: 1888  
 Anderson TF: 3458  
 Anderson WB: 90  
 Andersson KE: 2320  
 Andersson KH: 91  
 Andler W: 92  
 Ando R: 97  
 Andrade LL: 3333  
 Andre J: 93, 3373, 4184  
 Andreeva OA: 2160  
 Andrei V: 94  
 Andress D: 1357  
 Andrews WW: 95  
 Andrianov VV: 96  
 Anezaki K: 97  
 Anfinson MS: 888  
 Angeletti PU: 763  
 Anger K: 1952  
 Angielski S: 98  
 Anhut H: 99, 3160  
 Anisimov VN: 100-101  
 Anke M: 102  
 Annable L: 705  
 Annat G: 4452  
 Anne L: 289  
 Anné T: 103  
 Anniko M: 104  
 Annunziato L: 1498, 2788  
 Annunziato LA: 105  
 Anoussakis C: 106  
 Ansari AQ: 3784  
 Anselmi E: 777  
 Anselmo J: 107  
 Antar MA: 108  
 Anthone R: 3872  
 Anthone S: 3872  
 Anthoney DJ: 109  
 Anthoney SL: 109  
 Anthoney TR: 109  
 Anthony HD: 2865  
 Antipov VN: 2212  
 Antonov VV: 110  
 Antoshechkina ET: 3697  
 Antunes JL: 111, 4465  
 Anver MR: 4245  
 Anwar AR: 112  
 Anylian GH: 113  
 Aoki A: 114-115, 2705  
 Aoki E: 1693  
 Aono T: 116-117  
 Aoyama K: 1759  
 Aparisi T: 118  
 Apfelbaum M: 119  
 Appell R: 120  
 Applegarth DA: 3331  
 Appleyard WT: 543  
 Apter L: 2550  
 Aragno R: 354

# AUTHOR INDEX

Arakawa K: 121  
 Arakelians AB: 122  
 Araki S: 3983  
 Araki-Shimada N: 2867  
 Arashima S: 123  
 Araszkievicz Z: 124-125  
 Aratan S: 126  
 Arbatti NJ: 4018  
 Arborgh B: 118  
 Archer LT: 1684  
 Archibald L: 22  
 Arcomano A: 2339  
 Arends J: 3597  
 Arensburg B: 2124  
 Argenzio RA: 127  
 Argutinskaia SV: 2568  
 Arnech AM: 128  
 Arimizu N: 1822  
 Arimura A: 129, 799  
 Arisz L: 4139  
 Ariyama T: 2011-2012  
 Ariza A: 1657  
 Arkins JA: 757  
 Arlart IP: 130  
 Armbruster H: 273  
 Armitage JO: 1381  
 Armstrong DT: 1390, 4296  
 Armstrong EG Jr: 131  
 Armstrong RN: 132  
 Arnaud CD: 133  
 Arndt J: 2111  
 Arneborn P: 134  
 Arneja DV: 659  
 Arniha C: 3451  
 Arnò E: 2463  
 Arnold PE: 89  
 Aro A: 3145  
 Aron C: 1602-1603, 2523  
 Aronson SB: 2792  
 Arora KL: 659  
 Arosio A: 1108  
 Arrondo JL: 135  
 Arroyo Carreras JL: 136  
 Artner J: 137  
 Artsishevskaja RA: 4208  
 Aryeetey ME: 138  
 Arzanunts EM: 3477  
 Arzilli F: 3497-3498  
 Asada S: 3635  
 Asai K: 1838  
 Asano T: 3524  
 Asboe-Hansen G: 412  
 Ascherl R: 2318  
 Ascherman G: 550  
 Aschmoneit I: 2837  
 Aschoff J: 139  
 Ascoli M: 140-141  
 Ashburner M: 142  
 Ashcroft SJ: 3924  
 Ashida N: 3530  
 Ashley CC: 2312  
 Ashley T: 361  
 Ashur H: 251  
 Asikin J: 143  
 Asimakis GK: 3823  
 Askergren J: 2950  
 Askew EW: 144  
 Aso M: 3678  
 Asole A: 3100  
 Assa S: 3389  
 Assaf SY: 145  
 Assan R: 1172  
 Assar ST: 3951  
 Assenmacher I: 70, 146-147, 436, 3954-3955  
 Ast TM: 6  
 Asteris GT: 3428  
 Atherton DR: 2423  
 Attia MA: 148  
 Atkins D: 805, 2606  
 Atkins HL: 149  
 Atkins L: 150  
 Atlas SA: 3615  
 Atrat P: 151-152  
 Atsumi T: 1841  
 Attallah A: 1041  
 Attia MA: 153  
 Attie JN: 154  
 Atwater IJ: 2557  
 Au KS: 155  
 Aubert M: 774

Aubry-Marais F: 163  
 Audi L: 156, 2796  
 Audra P: 493  
 Audrain M: 157  
 Auerswald W: 3744  
 Aufses AH Jr: 3494  
 Aughey E: 158  
 Augier D: 3376  
 Augur NA Jr: 159  
 Aumüller G: 160-161  
 Aungst CW: 162  
 Aupetit B: 163  
 Aur RJ: 3720  
 Aurbach GD: 494, 3208  
 Aurell M: 164  
 Auriac A: 165  
 Ausiello DA: 1404  
 Aussel C: 166  
 Austen WG: 2024  
 Austin CR: 167  
 Autenrieth D: 4142  
 Autere T: 3746  
 Avakumov VM: 3839  
 Aver'ianova SG: 168  
 Averill K: 3655  
 Aversa F: 2699  
 Avery GS: 1627  
 Avetisyan EA: 200  
 Avioli LV: 169  
 Avram MM: 1242  
 AvRuskin TW: 4071  
 Awashima S: 3073  
 Awori NW: 1476  
 Axelrod J: 170  
 Axelrod S: 2194  
 Axelson M: 187  
 Axelsson O: 171  
 Ayisi K: 172  
 Azagra ER: 173  
 Azam-Traves J: 165  
 Azarashvili TS: 174  
 Azarnoff DL: 1776  
 Azevedo EM: 597  
 Azhar S: 175  
 Aznar A: 1656  
 Azuar P: 3451  
 Azukizawa M: 3538  
 Azuma H: 2890  
 Azuma T: 3017  
 Azzoni P: 176

## B

Baacke M: 3240  
 Baba A: 3634  
 Baba M: 1686  
 Baba N: 177  
 Baba S: 4122  
 Bababunmi EA: 2991  
 Babalich AK: 1177  
 Babichev VN: 178  
 Babický A: 2141  
 Baca GM: 179  
 Bach G: 180  
 Bach JF: 181  
 Bachelet M: 738  
 Back DJ: 182-183  
 Backman U: 3478  
 Badawy S: 184  
 Bădescu I: 857-858  
 Badowski A: 3062  
 Baekgaard W: 185  
 Baer L: 2934  
 Baertschi AJ: 1313  
 Bagaeva TR: 1086  
 Bagby GC Jr: 2399  
 Al-Baghdadi T: 1078  
 Bagley LR: 1554  
 Bagrov IaIu: 186  
 Bagwell JN: 996  
 Bahary CM: 2336  
 Baiardi M: 2613  
 Bailey LE: 3103  
 Baillie TA: 187  
 Bailly A: 188  
 Bain J: 189, 1159, 3408  
 Baiocchi A: 1442  
 Baird SG: 190, 4039  
 Baisset A: 191  
 Baizman ER: 1467  
 Bajaj P: 192  
 Bajnoczky K: 4170  
 Bajorek JG: 193  
 Bajusz S: 1446  
 Bakay R: 2129  
 Baker BL: 314  
 Baker BL: 194  
 Baker HW: 1056  
 Baker JF: 3165  
 Baker JR: 195  
 Baker LR: 2826  
 Baker PF: 196  
 Baker PJ: 2594  
 Baker SJ: 197  
 Bakke OM: 1577  
 Bakken AH: 198  
 Baklavadzian OG: 199  
 Baklavadzhyan OG: 200  
 Baksi SN: 201-202  
 Bakuleva LP: 122  
 Bakuradze AN: 2894  
 Balachandran S: 203  
 Balázs R: 1330  
 Balboni PG: 786  
 Baldwin KM: 204  
 Ball PJ: 205  
 Ballard KW: 206  
 Ballard PL: 207  
 Ballonoff LB: 1890  
 Balmefrézol M: 70  
 Balment RJ: 1642  
 Balogh A: 350  
 Balter S: 208  
 Bandler R: 209  
 Banerjee K: 518  
 Banerji AP: 3520  
 Bangham DR: 210  
 Banićević M: 211, 4221  
 Bank N: 212  
 Banki CM: 213-214  
 Banks WF: 3165  
 Bannerman RM: 3872  
 Bannikov GA: 215  
 Bannò S: 216  
 Bános C: 217  
 Bao TN: 991  
 Bar-Eli M: 4228  
 Barabanov VM: 218  
 Barabanova I: 1529  
 Barabas E: 1441  
 Barad D: 586  
 Barai VN: 44  
 Barailler J: 3296  
 Barale F: 219-220  
 Baran L: 2545  
 Baran T: 2306  
 Baranowska B: 221  
 Barańska H: 222  
 Barastegui CA: 223  
 Barát E: 1446  
 Barba P: 3159  
 Barbanti-Brodano G: 786  
 Barbará Stark F: 35  
 Barbeau A: 1411, 3398  
 Barber J: 3876  
 Barber SG: 224  
 Barberis M: 1391  
 Barbero Carballo C: 792  
 Barbin G: 3207  
 Barbina V: 225  
 Barbosa ER: 597  
 Barchas JD: 4175, 4273  
 Barchet S: 4449  
 Barclay GR: 3706  
 Barclay ML: 2078  
 Barcsa C: 2575  
 Barczyński M: 3963  
 Bard JB: 226  
 Bardakhch'ian EA: 1982  
 Barde YA: 3920  
 Barden N: 2253  
 Barger AC: 1534  
 Barghini G: 227  
 Bariety J: 1750  
 Baritussio A: 228  
 Barjon P: 2740  
 Barka T: 1466  
 Barkai U: 229  
 Barker H: 230



# AUTHOR INDEX

- Barker JL: 231  
 Barkes P: 1773  
 Barkin M: 3272  
 Barletta MA: 232  
 Barlock A: 61  
 Barlow J: 2693  
 Barlow JF: 233  
 Barmania A: 234  
 Barnard CN: 4362  
 Barnard JM: 1142, 2285  
 Barnea A: 235  
 Barnes AE: 4451  
 Barnes C: 4249  
 Barnes LD: 1014  
 Barnes RJ: 236  
 Barnett DB: 237  
 Barnette WE: 2580  
 Barofsky AL: 238  
 Baron D: 3827  
 Barondes SH: 4371  
 Barone JV: 239  
 Barowicz T: 240  
 Barr GA: 1369  
 Barragry JM: 791  
 Barreca P: 241  
 Barreca T: 2854  
 Barret A: 2284  
 Barrett AJ: 242  
 Barrett AM: 243  
 Barrett DI: 3831  
 Barrett J: 1064, 1393  
 Barrett JD: 244  
 Barrionuevo PJ: 2259  
 Barron EJ: 1714  
 Barron KW: 2519  
 Barrows GH: 714  
 Barry J: 245-246  
 Barry JM: 247  
 Barry JW: 3424  
 Barsotti M: 248  
 Barta O: 249  
 Barth AD: 250  
 Bartholdi P: 1928  
 Bartke A: 854  
 Bartley EE: 2865  
 Bartoc R: 3213  
 Barton RT: 3869  
 Bartoš V: 4205  
 Bartsch G: 2109  
 Bartter FC: 1373, 2695, 4435  
 Baruchin A: 251  
 Basford RE: 1974  
 Bashirelahi N: 131  
 Bashura GS: 2186  
 Basilico L: 1138  
 Baskakov VP: 252  
 Basur P: 4223  
 Bass F: 3889  
 Bass FG: 10  
 Bassett JM: 1213  
 Bassi S: 253  
 El-Bassiouni EA: 3951  
 Bassir O: 2991  
 Basudde CD: 254  
 Basuyau JP: 2563  
 Bates MW: 182  
 Bátor V: 1147  
 Bata S: 255  
 Batsakis JG: 4030  
 Batt RM: 3612  
 Batten TF: 256  
 Battistuzzi M: 353, 356  
 Battke H: 257  
 Batt J: 3890  
 Baudendistel LJ: 258  
 Baudry M: 461, 740, 3603  
 Bauer H: 2840  
 Baureiss K: 1707  
 Baucknecht H: 1537  
 Baulieu EE: 259, 1179  
 Baum FR: 1197  
 Baum MJ: 260  
 Bauman MD: 2431  
 Baumanis EA: 261  
 Baumann D: 1868  
 Baumeister L: 1489  
 Baumgarten HG: 262, 2100, 2775, 4383  
 Baxarias Gascón P: 2617  
 Baxter JD: 4361  
 Baxter MA: 263  
 Bayard F: 499  
 Bayer AS: 1304  
 Baylink DJ: 1609  
 Bayliss R: 2351  
 Bazarova EN: 572  
 Bazely N: 3315  
 Beach TA: 4022  
 Beacham LM 3d: 4468  
 Beam HE: 264  
 Beam KG: 2928  
 Beastall GH: 190, 4039  
 Beato M: 265  
 Beattie CW: 266  
 Beatty PW: 267  
 Beaudoine JG: 1523  
 Beaudoine P: 3930  
 Beaufils F: 268  
 Beauprand M: 269  
 Beaulieu M: 1166, 2253  
 Bechcińska B: 270  
 Bechtel RM: 2865  
 Beck E: 2835  
 Beck H: 2603  
 Beck J: 2778  
 Beck JS: 2716  
 Becker DI: 271  
 Becker KL: 272  
 Becker RF: 2450  
 Beckerhoff R: 273  
 Beckmann M: 274  
 Bedard CK: 275  
 Bédard P: 866  
 Bedikian AY: 276  
 Bedivan M: 277  
 Bednorz W: 278  
 Bedrossian CW: 279  
 Beebe HG: 1162  
 Beechler CR: 1740  
 Beermann B: 280  
 Beers WH: 281-282, 915, 2303  
 Begemann M: 4298  
 Behne D: 283  
 Behsudi FM: 522  
 Beier HM: 265  
 Beierwaltes WH: 284-285  
 Bein ME: 286  
 Beisswenger P: 287  
 Beisswenger PJ: 3236  
 Beitner R: 288  
 Bekhor I: 289  
 Bekhtereva EP: 290  
 Bekker VI: 3944-3945  
 Belanger F: 3398  
 Belavady B: 291  
 Belcher EH: 292  
 Belchetz PE: 293  
 Belding JH: 294  
 Beliakov VA: 295  
 Beliakova TA: 295  
 Belianin VI: 2237  
 Belis JA: 296  
 Belkin BG: 297  
 Bell AB: 298  
 Bell GD: 1003  
 Bell R: 299  
 Beller BK: 1684  
 Beller FK: 274  
 Bellinger LL: 300  
 Bellinghieri G: 1261  
 Bellino FL: 301  
 Belloir A: 302  
 Bellon C: 4152  
 Belloni AS: 2666  
 Belloni FL: 1583  
 Bellows CG: 1582  
 Belmaker RH: 303  
 Belonje PC: 304  
 Belonog RP: 2579  
 Belousov LV: 2612  
 Beltramelli A: 253  
 Bem Z: 305  
 Ben-Ari Y: 2311  
 Ben-Hur N: 251  
 Benassayag JL: 306  
 Bencosme SA: 3254  
 Bend JR: 2830  
 Benda J: 2172  
 Bender DA: 307  
 Bendtzen K: 308  
 Benedetti G: 309  
 Benenson MP: 1380  
 Benešová D: 3618  
 Benezech M: 310, 379, 3122-3123  
 BenEzra D: 311  
 Bengtsson G: 312  
 Benhamou JP: 908  
 Benikova EA: 3340  
 Benini A: 313  
 Benirschke K: 2478  
 Benjamin BA: 1684  
 Benjamin M: 314, 839  
 Benjamin RS: 276  
 Benjannet S: 708  
 Beniloch Navarro R: 315  
 Bennes GT: 1126  
 Bennett GA: 316  
 Bennett HP: 195  
 Bennett T: 317  
 Bennett WM: 247  
 Bennie EH: 649  
 Bennis G: 2521  
 Bensch CL: 2349  
 Benson DR: 318  
 Benson DW Jr: 3647  
 Benson EA: 798  
 Benton D: 319  
 Benveniste R: 3252  
 Beraud G: 157  
 Berchtold M: 320  
 Berchtold R: 321  
 Berczi I: 2871  
 Berdina NA: 322  
 Berdyshev GD: 323  
 Bereiter-Hahn J: 3607  
 Berelowitz M: 324  
 Bergsewicz M: 325  
 Berg D: 326  
 Berg G: 3466  
 Berg RW: 2010  
 Berg S: 1956  
 Bergada E: 4131  
 Berger B: 327  
 Berger PA: 4175  
 Berger W: 2049  
 Bergfeld WF: 328  
 Bergland RM: 3089  
 Bergleiter R: 329  
 Bergleiter R?Liedtke MP: 330  
 Bergman K: 312  
 Bergman L: 331  
 Bergman SM: 1888  
 Bergon LL: 517  
 Bergsjø P: 332  
 Bergstein JM: 1922  
 Bergström J: 333  
 Bergstrom WH: 4192  
 Berkowitz BA: 334  
 Berl S: 3195  
 Berman BJ: 822  
 Berman W Jr: 335  
 Bernard GW: 4250  
 Bernard J: 336  
 Bernardi AM: 531  
 Bernardis LL: 300  
 Bernardo LA: 337  
 Bernauer W: 99, 338  
 Berns AS: 89  
 Bernstein K: 1682  
 Berry AC: 339  
 Berry EW: 2697  
 Berry LJ: 340, 1421, 2791  
 Berry MS: 3152  
 Bertazzoni A: 1170  
 Bertel O: 538, 2038  
 Berthelay S: 441  
 Berthier C: 341  
 Berthier JL: 2254  
 Berthout P: 219  
 Berti F: 342, 3053  
 Bertrand J: 156, 2796  
 Berzborn RJ: 4209  
 Beskid M: 343  
 Besse G: 2565  
 Besser GM: 344, 3318  
 Besson JM: 345, 1568  
 Bessone R: 346  
 Best LC: 348  
 Best PM: 349  
 Besznayák I: 350  
 Bethel RA: 3449

# AUTHOR INDEX

- Betkowski A: 351-352  
 Bettendorf G: 1481  
 Better OS: 3704  
 Bettini V: 353-356  
 Beumer J 3d: 357  
 Beuving G: 3660  
 Bewley TA: 358  
 Bewsher PD: 3855  
 Bezrukov VV: 1263  
 Bezuidenhout DJ: 359  
 Bhagat BD: 360  
 Bhalla RC: 361  
 Bhargava G: 2155  
 Bhargava SK: 982-983  
 Bhatnagar RK: 2468  
 Bhattacharyya AK: 3949  
 Bhushan B: 3849  
 Biagini M: 2538  
 Biakov SV: 2417  
 Bianchi CP: 362  
 Bianchi L: 363  
 Bianchi RG: 851  
 Bibb TL: 1527  
 Bičiková L: 3948  
 Bielicki F: 364  
 Bielska M: 365  
 Biellmann JF: 4194  
 Biemesderfer D: 401  
 Bierman EL: 1398  
 Bierschwal CJ: 1417  
 Biewenga WJ: 3425  
 Bigelow B: 366  
 Biggio G: 367-370, 3266  
 Bigler RE: 371  
 Biglieri EG: 372, 1738  
 Bigot MC: 2819  
 Bikle DD: 2812  
 Bilezikian JP: 373-376  
 Bilinski M: 2644  
 Bill PL: 532  
 Billiau A: 377  
 Billiet L: 1132  
 Binder V: 378  
 Binet JL: 973  
 Binns AN: 4367  
 Binswanger U: 2112, 4213  
 Bioulac B: 379-380  
 Bircher J: 2845  
 Bird D: 575  
 Birecka A: 305  
 Biriukovich PV: 381  
 Birken S: 865  
 Birkenhäger JC: 1932, 2270  
 Birkmayer W: 3356  
 Birnbaumer L: 1318  
 Biserni A: 3984  
 Bishop CA: 1619  
 Bishop M: 3362  
 Bishop WH: 382  
 El-Bishti MM: 383  
 Bishun NP: 384  
 Bissada NK: 1195  
 Bissette G: 2922  
 Bitensky MW: 401  
 Bittman EL: 385  
 Bjärngard BE: 2063  
 Bjellin L: 3751  
 Bjerkstedt L: 3617, 4326  
 Björkbom S: 386  
 Björkhem I: 387-388  
 Björklund A: 262, 2397, 2964, 4328  
 Black AC Jr: 4256  
 Black IB: 797  
 Black WD: 1906  
 Blackwell CF: 1906  
 Blackwood DH: 1143  
 Blahoš J: 1236, 2141  
 Blair JB: 1231  
 Blamey RW: 2659  
 Blanc B: 3451  
 Blanc G: 4000  
 Blandau RJ: 3455  
 Blank CL: 3523  
 Blanuša M: 389-390  
 Blasig I: 2188  
 Blass JP: 1370  
 Blau M: 2223  
 Blaustein A: 366  
 Blaustein MP: 391-392  
 Blayney L: 393  
 Blazheevich NV: 3839  
 Bleau G: 1333  
 Blech W: 394-395  
 Blecharz A: 1029  
 Blecher SR: 396, 2075  
 Blenkinsopp WK: 397  
 Blessing MH: 2105  
 Blickenstaff RT: 398  
 Blizzard DA: 399  
 Bloch B: 400  
 Bloch F: 3175  
 Bloch-Michel E: 1209  
 Block LH: 401  
 Block M: 3966  
 Blohm TR: 402  
 Blok MC: 4154-4155  
 Blomgren PG: 312  
 Blomquist CH: 403  
 Blomstedt B: 3760  
 Blondelon D: 1222  
 Blonk DI: 404  
 Bloom E: 4361  
 Bloom F: 1505  
 Bloom SR: 383, 405, 2769  
 Bloomer AW: 496  
 Bloomer WD: 406  
 Bloomfield GA: 1082, 3318  
 Blosser J: 2859  
 Blosser JC: 407  
 Bloxam DL: 408  
 Bluestone R: 1141  
 Bluet-Pajot MT: 409  
 Blum C: 499  
 Blumberg AL: 17  
 Blume CD: 410  
 Blume HW: 411  
 Blume R: 3596  
 Blumenkrantz MJ: 1304  
 Blumenkrantz N: 412  
 Blyth WA: 1578  
 Boado R: 413  
 Bobylev RV: 2027  
 Boccagno JA: 4210  
 Boccard B: 2729  
 Bochkov NP: 2214  
 Bock KD: 4306  
 Bockaert J: 4000  
 Boczkowski K: 414  
 Bodai BL: 3654  
 Bode G: 1956  
 Bodey GP: 276, 1249  
 Bodrova EA: 1356  
 Bodwin JS: 415  
 Boedtker H: 1259  
 Boehm T: 4037  
 Boelen HJ: 416  
 Boer P: 1366  
 Boettcher B: 1790  
 Boettcher M: 1320  
 Bogaert M: 1132  
 Bogdahova EA: 417  
 Bogdanov FP: 418  
 Bogdanova TI: 1426  
 Bogdarin IuA: 419  
 Boggs SS: 1974  
 Bogoslovskii NA: 3839  
 Bogumil J: 1164  
 Bogunović M: 389  
 Böhm N: 420  
 Böhm P: 421  
 Bohnet HG: 422  
 Bohus B: 4149  
 Boillot A: 219  
 Boime I: 365, 865  
 Boink AB: 1620  
 Boisen E: 423  
 Boissière H: 4168  
 Boissin J: 3469, 3955  
 Boitieux JL: 424  
 Boittiaux P: 640  
 Bojanić N: 2717  
 Bokkenheuser VD: 425  
 Bolaños F: 1043  
 Bolaños J: 3251  
 Bole GG: 4245  
 Bolin FP: 426  
 Bollack C: 427  
 Bolli P: 538  
 Bolling DR: 1706  
 Bologna M: 763  
 Bolognesi F: 2613  
 Bolte HD: 428  
 Bolton TC: 3388  
 Bolufer Gilbert P: 1321  
 Bompiani A: 2463  
 Bonanno A: 429  
 Bond JA: 3052  
 Bondar PN: 430  
 Bondarenko ES: 431  
 Bondy GP: 3030  
 Bone HG: 907  
 Bonetti AC: 776  
 Bonetti EP: 872, 2036  
 Bongso TA: 432  
 Bonig JA: 3662  
 Bonilla CA: 433  
 Bonnar J: 1504  
 Bonnard GD: 434  
 Bonnard JM: 441  
 Bonner HW: 4001-4002  
 Bonnet J: 4008  
 Bonnin JM: 4128  
 Bonomi PD: 435  
 Bonomo L: 1138  
 Bonora M: 1335  
 Bons N: 436  
 Bonsall RW: 2714  
 Bonta IL: 437  
 Bonucci E: 1180  
 Boot JR: 2094  
 Booth A: 438  
 Booth DA: 439  
 Booth KK: 440  
 Booth WD: 3736  
 Boots LR: 996  
 Booyse FM: 4099  
 Bopp J: 441  
 Borbély AA: 4051  
 Borchard U: 442  
 Borchardt RT: 443, 4016  
 Bordea I: 1607  
 Bordekar AD: 3652  
 Bordiú Obanza E: 1168  
 Borek E: 3658  
 Borgeat P: 2253  
 Borges HJ: 4480  
 Borisenko NA: 444  
 Borkenstein M: 3895  
 Borkowf HI: 2649  
 Borle AB: 445  
 Born GV: 446  
 Börner P: 447  
 Börner W: 448  
 Borowicz J: 343  
 Borowitz JL: 449, 3171  
 Borrell J: 450  
 Borrell Andrés J: 3514  
 Børresen HC: 451  
 Bortolotti G: 1336  
 Boruch Z: 3071  
 Borucki LJ: 452  
 Borys HK: 453  
 Bos A: 454  
 Boscaino N: 455  
 Bösch L: 2211  
 Boschero AC: 2022, 2557  
 Bose AK: 456  
 Bošeljová L: 2681  
 Bosin TR: 2542  
 Bostock DE: 3055  
 Böszö P: 1293  
 Botey A: 4131  
 Bottazzo GF: 457  
 Bottenstein JE: 458  
 Böttger I: 971  
 Bottomley WK: 4011  
 Boucher BJ: 791  
 Boucher D: 526, 1478  
 Boudier HS: 459  
 Boudier JL: 4023  
 Boudon F: 1367  
 Bough EW: 460  
 Boughton-Smith NK: 4317-4318  
 Bouhnik J: 461, 740  
 Bouillon R: 462  
 Boukhris R: 463  
 Boulenger JP: 2439  
 Bouletreau P: 2436  
 Boullin DJ: 464  
 Boulos M: 4231



# AUTHOR INDEX

- Bonameaux H: 465  
 Bonameaux Y: 465  
 Bourgeois S: 466  
 Bourgoin S: 1568  
 Bourne HR: 237, 1905  
 Bournot P: 1892  
 Burrillon R: 2343  
 Busquet B: 82, 2544  
 Busquet J: 467  
 Buters R: 468  
 Buton MM: 3308  
 Bove LG: 2048  
 Bowden PE: 3727  
 Bowman MC: 2971  
 Boyar RM: 2533, 2535  
 Boyce AJ: 1589  
 Boyd AE 3d: 469  
 Boyd D: 4017  
 Boyd GS: 2622  
 Boyd H: 2606  
 Boyd RV: 470  
 Boyd WH: 471  
 Boyde A: 472  
 Boyer DM: 797  
 Boykin J: 473  
 Boyle PC: 2033  
 Boyse EA: 2989  
 Bzhkov B: 3283  
 Babletz A: 474  
 Baccala M: 3267  
 Bacci U: 769  
 Bache V: 75  
 Baccetti AK: 2391  
 Backett NL: 2225, 4084  
 Badford I: 3255  
 Badley EL III: 475  
 Badley GW: 476  
 Badley PB: 1338  
 Badshaw D: 2254  
 Bady FA: 357  
 Bain PF: 319, 1121  
 Balthwaite GD: 477  
 Baley-Mullen H: 478  
 Bambil A: 3141  
 Bambil F: 479  
 Bammmer GL: 480  
 Banca A: 3100  
 Bancato R: 208  
 Banchevsky LL: 481  
 Band LM: 482  
 Bandenberger G: 2704  
 Bandon JM: 483  
 Bandt H: 1758  
 Bansome ED Jr: 484  
 Banseleton WE: 1041  
 Ban AC: 4367  
 Ban W: 991  
 Banstein P: 3120  
 Banverman LE: 1587, 4247  
 Banvo FR: 796  
 Banwn PN: 861  
 Banwn RJ: 861  
 Ban GA: 1831  
 Ban MA: 485  
 Ban RA: 2800  
 Banyley KN: 50  
 Banzeau P: 486, 552, 1824, 2922  
 Banathnach AS: 2429  
 Bancher P: 487  
 Banckenridge AM: 182-183  
 Banckwoldt M: 3163  
 Bada M: 488, 777  
 Baddin K: 489  
 Badesse GR: 490-492, 2543  
 Bahier A: 207  
 Baining H: 1606  
 Bastein LS: 1009  
 Basmond A: 493  
 Basmová A: 2172  
 Bannan A: 558  
 Bannan MF: 494  
 Bannan SC: 2517  
 Basmier VM: 2817  
 Basmahan M: 703  
 Basmiller JP: 2200  
 Basmiller RS: 3536  
 Basmitt EM: 2496  
 Basmud B: 2712  
 Basmcker NS: 495  
 Basmger WH: 1369  
 Briggs AH: 2519  
 Brijawi A: 678  
 Brilliant LB: 496  
 Brimble MJ: 1555  
 Brincker H: 3597  
 Brinkman GL: 3641  
 Brinley FJ Jr: 497-498  
 Briskin AI: 3464  
 Brisson-Lougarre A: 499  
 Brito T: 845  
 Brizzi G: 500-501  
 Broadus AE: 494  
 Brock P: 502  
 Brock WA: 2679  
 Brod J: 503  
 Brodin E: 1719  
 Brodish A: 504, 1848  
 Brodkey J: 3137  
 Brodkey JS: 505  
 Brody JS: 3444  
 Brody MJ: 1139, 2468  
 Brody TM: 4397  
 Brogden RN: 1627  
 Bromage NR: 413  
 Bromberg BB: 2930  
 Bronaugh RL: 506  
 Brongel K: 3963  
 Bronn DG: 4279  
 Bronner F: 507  
 Bronson D: 2002  
 Brook D: 4409  
 Brook R: 2974  
 Brookeman VA: 508  
 Brooker G: 17  
 Brooks S: 300  
 Brooks SC: 509, 1755, 3345  
 Broome D: 3314  
 Broster WH: 3040  
 Brostoff H: 510  
 Brostoff J: 510  
 Brotman S: 4126  
 Broulik PD: 511  
 Brouwer G: 459  
 Browder LW: 3134  
 Brown AM: 512  
 Brown BE: 1075  
 Brown DJ: 2621  
 Brown EM: 494, 3208  
 Brown GM: 513-514  
 Brown JK: 3706  
 Brown M: 552, 4129-4130  
 Brown RL: 1178  
 Brown SF: 3370  
 Brown TJ: 413  
 Brown WA: 515  
 Browne MK: 516  
 Brownie AC: 517, 1303  
 Browning EJ: 518  
 Browning RA: 519-520  
 Brownstein M: 3390  
 Broyer M: 521  
 Bruce DA: 1874  
 Bruce LA: 522  
 Bruch HP: 523  
 Brücher H: 524  
 Bruchim A: 1073  
 Bruchovsky N: 3335, 4141  
 Bruckheimer SM: 1303  
 Bruckner HW: 525  
 Bruenger FW: 2423  
 Bruggeman A: 4324  
 Bruggmoser G: 4260  
 Brughardt CR: 3669  
 Bruhat MA: 526  
 Brumbaugh PF: 1609  
 Brun R: 527  
 Brune K: 3160  
 Brunelle P: 2563  
 Bruni B: 4323  
 Bruni M: 3267  
 Brunner HR: 528-529, 1337  
 Brunson KW: 2939  
 Brunzell JD: 1398  
 Brusilovskii AI: 530  
 Bruszyński M: 4359  
 Bruzzese E: 455  
 Bryant-Greenwood GD: 2244, 2525  
 Bucci TJ: 2812  
 Bucciante G: 531  
 Buchanan MR: 2041  
 Buchanan N: 532  
 Buckley MJ: 2024  
 Budka H: 533  
 Budu S: 3997  
 Budzińska K: 1980  
 Buemi M: 1261  
 Buencuerpo J: 3313  
 Buffa R: 534  
 Buga G: 535  
 Buggy J: 1903  
 Buglaev AI: 536  
 Bühler FR: 537-538  
 Bührdel P: 539  
 Buhrley LE Jr: 1081  
 Buijs RM: 540  
 Buikis IM: 261  
 Bulajic M: 541  
 Buletsa BA: 3187  
 Buligescu L: 542  
 Bullock BC: 266  
 Bulman DC: 543-544  
 Bult H: 545  
 Bumbaširević Z: 546  
 Bumpus FM: 547  
 Buñag RD: 548, 3973  
 Bunko H: 2136  
 Bunting S: 2777  
 Bunuan HD: 549  
 Burchell A: 756  
 Burchell JM: 1669  
 Burd LI: 550  
 Burden HW: 2450  
 Burdick L: 1108  
 Burgener FA: 3832  
 Burgess AE: 1600  
 Burgess SK: 4016  
 Burghardt CR: 3668  
 Būrgin H: 3561  
 Burgudzhieva T: 551  
 Burgus R: 552, 1505  
 Burkard WP: 2036  
 Burkart F: 537  
 Burke MD: 553-554  
 Burke RE: 555-556  
 Burke TJ: 1027  
 Burkert W: 3355  
 Burleigh BD: 557  
 Burleson RL: 558  
 Burlet C: 4023  
 Burnet FM: 559  
 Burney GA: 735  
 Burns CP: 1381  
 Burns J: 560  
 Burns JW: 561  
 Burrow GN: 562  
 Bursac KM: 1609  
 Burstein S: 563, 854  
 Burt AD: 21  
 Burton D: 907  
 Burton J: 1534  
 Burton JL: 564  
 Burton LE: 565  
 Buschang PH: 1452  
 Buschmann W: 566-567  
 Buser U: 568  
 Bush W: 4346  
 Butchart EG: 2024  
 Butcher L: 1220  
 Buteikis A: 3213  
 Butenandt O: 569  
 Butherus C: 1509  
 Butke G: 1755  
 Butler IJ: 3732  
 Butley MS: 570  
 Butorin EP: 1111  
 Butov IuS: 571  
 Butrova SA: 572  
 Butt KM: 573  
 Butt WR: 731, 1961  
 Buttery PJ: 4176  
 Bwibo NO: 1476  
 Bychkova VI: 574  
 Byfield PG: 575  
 Bygrave FL: 3292  
 Bylock A: 2469  
 Bymaster FP: 1279  
 Bynum GD: 1237  
 Byrne BC: 576  
 Byrne BJ: 576  
 Byskov AG: 1718

# AUTHOR INDEX

Bystrovskii VF: 3748

## C

Cabarrocas Gafarot E: 792  
 Cabello A: 583  
 Cabello G: 577  
 Caccamo A: 814  
 Cady B: 578  
 Caen JP: 1670  
 Caffier H: 579  
 Caftori J: 3704  
 Cagin CR: 580  
 Cahill F: 581  
 Caillou B: 1208  
 Cain JA: 2714  
 Caird FI: 1448  
 Caizzi N: 1442  
 Calandi C: 582  
 Calandre L: 583  
 Calas A: 346, 3620  
 Calcaterra TC: 2570  
 Caldara R: 1170  
 Calderon L: 584  
 Calderón Márquez JJ: 645  
 Caldwell MD: 585  
 Callard IP: 586, 2271  
 Callen PW: 2597  
 Callison DA: 851  
 Calmettes C: 2729  
 Calvert R: 587  
 Calvo Manuel E: 3447  
 Camardo JS Jr: 3723  
 Cambiaghi G: 588  
 Cambier J: 589  
 Cambroner JA: 3453  
 Cameron AJ: 3338  
 Cameron IL: 4275  
 Cameron JS: 3109  
 Camilleri JP: 3175  
 Cammock DW: 590  
 Campaigne E: 2542  
 Campan L Sr: 591  
 Campbell CS: 592, 1197  
 Campbell GA: 3847  
 Campbell IT: 3892  
 Campbell J: 593-594  
 Campbell JW: 620  
 Campbell M: 595  
 Campbell PJ: 204  
 Campinchi R: 1209  
 Campion DS: 2484  
 Campos AE: 3381  
 Camsonne R: 2819  
 Canal N: 644  
 Cancroft ET: 596  
 Cane RD: 532  
 Canelas HM: 597  
 Canella P: 598  
 Canellos GP: 4433  
 Cañete JM: 825  
 Canfield R: 865  
 Cangir A: 599  
 Canguilhem B: 2043  
 Cannon DC: 279  
 Cannon JG: 600  
 Cant EL: 2034  
 Cantarow WD: 601  
 Cantell K: 602  
 Cantor B: 4089  
 Capella C: 534  
 Capelle JP: 2234  
 Capitano GL: 603  
 Caplan AI: 4481  
 Cappa F: 604-605, 770  
 Cappelini G: 606  
 Capperault I: 1588  
 Capps MJ: 1852  
 Caputo CH: 3557  
 Caputo RV: 607  
 Capuzzo A: 608  
 Caquant F: 901  
 Carafoli E: 609-610, 3401  
 Carbone JV: 2815  
 Carbone MG: 2967  
 Carbone PP: 1542  
 Carboni JM: 1039  
 Carchedi F: 611  
 Cardell RR Jr: 1326

Cárdenas V: 1883  
 Cardinal JR: 4458-4459  
 Cardinali DP: 612  
 Care AD: 613, 1235-1236  
 Carey SC: 2978  
 Cargill R: 506  
 Cario AA: 4117  
 Carlson DE: 1313  
 Carlson DM: 4472-4473  
 Carlson JC: 614  
 Carlsson A: 1323, 2694  
 Carlström K: 3760  
 Carmel PW: 4465  
 Carmichael J: 615  
 Carmichael SW: 616  
 Carmina E: 617  
 Carminati R: 746  
 Carmona A: 618  
 Carnegie JA: 619  
 Carneiro L: 2774  
 Carnes DL Jr: 620  
 Carney S: 2799  
 Carol W: 621  
 Carpenter S: 1206  
 Carr BR: 2535  
 Carr PJ: 4121  
 Carrara MC: 3086-3087  
 Carrasco MS: 824, 826, 2891  
 Carrascosa Moreno F: 136  
 Carrasquer G: 1727  
 Carrick DT: 622  
 Carrillo L: 1320  
 Carroll BJ: 623, 4103  
 Carozzo M: 4012  
 Carruba MO: 624  
 Carruthers JS: 3728  
 Carruthers M: 847  
 Carson KA: 625  
 Carter AC: 1242  
 Carter AM: 3751  
 Carter CJ: 626-627, 2041, 3264  
 Carter DR: 628  
 Carter JN: 629  
 Carter M: 3854  
 Carter P: 630  
 Carter RJ: 631  
 Carter RL: 632  
 Carvalho S dos S: 3190  
 Carvalhal SS: 3605  
 Carvalho N: 597  
 Casacchia M: 611  
 Casado Pérez S: 3453  
 Casavola V: 831  
 Casellas D: 2740  
 Casetti P: 3850  
 Casnellie JE: 3574  
 Cassan P: 269  
 Cassel D: 633  
 Castagna M: 3375  
 Castañeda Casado J: 634, 906  
 Castañeda-Peña G: 635  
 Castañeda-Zuniga WR: 1022  
 Castel M: 636  
 Castelleto R: 3557  
 Castillo C: 2688  
 Castle WM: 637  
 Castro AC: 3190  
 Castro Osuna G: 924  
 Casu M: 367-370  
 Catane R: 638  
 Catherwood BD: 907  
 Cathiard AM: 2797, 3471  
 Catt KJ: 32  
 Cattabeni F: 1484  
 Cattieu KA: 3692  
 Cavagnaro FJ: 3816  
 Cavalli F: 639  
 Cavanaugh A: 2058  
 Cavé A: 1018  
 Cazenave CR: 4089  
 Cecat P: 640, 3244  
 Cecchetti MG: 786  
 Cecchetti M: 4443  
 Cech E: 1767  
 Cederblad G: 641  
 Cefis F: 3323  
 Celli BR: 3444  
 Ceňková V: 1160  
 Cerar V: 4057  
 Cerbo R: 611

Ceremužynski L: 642  
 Cerene F: 2284  
 Cerimele D: 643  
 Cernăianu N: 3713  
 Cerri C: 644  
 Ceruso D: 1261  
 Cervantes LF: 645  
 Cervellati S: 2611  
 Cervi-Skinner S: 1454  
 Cesar FP: 4231  
 Cesarz E: 3769  
 Cesselin F: 4191  
 Chabardés D: 646  
 Chabner B: 754  
 Chabner BA: 4433  
 Chaganti RS: 1363  
 Chaimovitz C: 3704  
 Chaimowitz S: 1120  
 Chaibabutr N: 647  
 Challenor Y: 954  
 Challis J: 3798  
 Chalmers JP: 648  
 Chalmers RJ: 649  
 Chaloupka V: 2473  
 Chalvardjian A: 650  
 Chambers JW: 514  
 Chambers KC: 651  
 Chambers M: 3137  
 Chamley WA: 2244  
 Chamness GC: 652  
 Chamorro Romero JL: 2584  
 Champagnat J: 934  
 Champion S: 653  
 Chan CT: 487  
 Chan DK: 654-655  
 Chan FK: 4412  
 Chan KM: 2231  
 Chan L: 4129  
 Chan MY: 656  
 Chan PS: 657  
 Chan SH: 658  
 Chand D: 659  
 Chanderbhan R: 4127  
 Chandhary LR: 660  
 Chandhoke N: 661  
 Chandler DE: 662  
 Chandley AC: 663  
 Chandola A: 664  
 Chandra G: 665  
 Chang EH: 1257  
 Chang KJ: 74, 3516  
 Chang MC: 4380  
 Changaris DG: 666  
 Chansouria JP: 3739  
 Chantaraprateep P: 4026  
 Chantler C: 383  
 Chantres MT: 3313  
 Chao WR: 1219  
 Chapdelaine A: 1333, 3374  
 Chapin LT: 778  
 Chapler FK: 667  
 Chapman C: 3892  
 Chapman ES: 668  
 Chapman M: 3560  
 Chapnick BM: 669, 1934  
 Chappel SC: 670  
 Chapple DJ: 671  
 Chaptal C: 2731  
 Charest-Boulé L: 672  
 Charoenkul V: 673  
 Charpentreau M: 4008  
 Charro Salgado AL: 1168  
 Charron D: 973  
 Chartier M: 674  
 Chashchin VL: 44  
 Chassignolle J: 1023  
 Chatterjee S: 675  
 Chatterji AK: 26  
 Chattopadhyay B: 676  
 Chattopadhyay T: 3737  
 Chatteraj SC: 4375  
 Chaudhuri PK: 677  
 Chauhan VP: 1871  
 Chaurasia BD: 26  
 Chaussain JL: 678  
 Chay SO: 4363  
 Chayen J: 855  
 Cheah JS: 658  
 Cheban AK: 3766-3767  
 Chebotareva LL: 679



# AUTHOR INDEX

- bysheva AZ: 680  
 chulin IuS: 3929  
 cińska Z: 278  
 ck W: 681  
 ckey SA: 682  
 esbrough MJ: 683  
 mbartseva AN: 2713  
 n A: 4079  
 n C: 2376  
 n CL: 684, 1953  
 n HJ: 685  
 n KJ: 3672-3673  
 n M: 1398  
 ng S: 686  
 niti T: 2254  
 noweth M: 687  
 rnigovsky VN: 688  
 ron RG: 3708  
 sarek W: 193  
 sney RW: 1522  
 snokova VM: 1949  
 srown SE: 237  
 ttur L: 689  
 ung HT: 601  
 villotte E: 690  
 w PC: 691  
 z RA: 2517  
 ina GS: 2578  
 ppe de Cingolani GE: 692  
 ppe de Mon LE: 692  
 oa S: 4408  
 ote-Pérez F: 3513  
 dsey CA: 2346  
 ffi G: 2739  
 en T: 1985  
 ppa L: 1138  
 an M: 2306  
 en M: 2305  
 ara Y: 1744  
 amori J: 2880  
 ds GV: 693  
 la R: 1295  
 oy NJ: 694  
 kin RE: 695  
 ps BE: 696  
 ileanu C: 697  
 kova LD: 4119  
 off RT: 4192  
 holm GD: 3780  
 tiakova MB: 698  
 a YS: 699  
 o H: 2632  
 off N: 974  
 ielewski O: 3956  
 G: 235  
 K: 700  
 WK: 2245  
 -Chung YS: 415, 701-702  
 banian AV: 487, 703  
 dounský Z: 4205  
 i SK: 3369  
 mczyński P: 704  
 ng KT: 3831  
 uinard G: 705  
 usterman M: 3175  
 uvet CD: 3472  
 wdury N: 706  
 wdury SR: 707  
 ambach A: 2933  
 etien FC: 336  
 etien M: 708  
 st MA: 3457  
 stakos S: 709  
 stensen E: 689  
 stensen M: 710  
 stensen MS: 713  
 stensen NJ: 1660  
 stensen SE: 711  
 stensen T: 2180  
 stiaens JL: 712  
 stiansen C: 713, 2180  
 stie S: 663  
 stlieb R: 1664  
 stodoulou GN: 3363  
 stophe J: 3947  
 stopherson WM: 714  
 sty JH: 2515  
 oné R: 3381  
 ostowski K: 720  
 a KG: 1016  
 Chua TS: 715  
 Chuan PL: 716  
 Chuchkov Kh: 551  
 Chugunova DA: 717  
 Chulamorakot T: 4374  
 Chung D: 2372-2373  
 Chung HL: 1755  
 Chung IH: 3684  
 Chung SO: 2245  
 Chvarria Bonequi C: 2903  
 Chyn TL: 2610  
 Ciangherotti S: 963  
 Ciani R: 488  
 Ciarcia G: 4157  
 Ciarletta A: 4157  
 Cicero TJ: 3234  
 Cichoń S: 3963  
 Cidowski JA: 718  
 Cifuentes R: 745  
 Cikoš J: 719  
 Cillo C: 3159  
 Cima ME: 2774  
 Cimino J: 4126  
 Cinader B: 1087  
 Cingolani HE: 692  
 Cinque B: 2463  
 Cioffi FJ: 6  
 Ciontea M: 542  
 Cizek J: 720  
 Cittadini A: 721  
 Citanova N: 4118  
 Cividalli G: 2275  
 Claessens J: 722  
 Clair T: 415  
 Clapp JF 3d: 723  
 Clark D: 3518  
 Clark F: 3039  
 Clark GR: 724  
 Clark JH: 725-726, 1931, 2593  
 Clark MB: 1722  
 Clark MR: 727  
 Clark S: 728  
 Clark WD: 729  
 Clark WG: 730  
 Clarke AR: 67  
 Clarke C: 22  
 Clarke FC: 2778  
 Clayton RN: 731  
 Clemans S: 3165  
 Clemens JA: 732-733, 1953  
 Clemens LG: 897  
 Clement-Cormier YC: 4035  
 Clement-Courmier Y: 734  
 Clementi G: 3546  
 Clemetson CA: 735  
 Cleveland RJ: 76  
 Clineschmidt BV: 736-737  
 Cloix JF: 738  
 Clopath P: 739  
 Clopton P: 1878-1879  
 Clot JP: 461, 740  
 Clothier B: 52  
 Clow A: 1896  
 Clyde HR: 3905  
 Clyman RI: 741-742  
 Coalson JJ: 1684  
 Coates PW: 743  
 Coates VC: 3193  
 Cobby J: 744  
 Cobo E: 745  
 Coburn JW: 1304  
 Cocchi D: 479, 746  
 Cocirlă E: 747  
 Coe CL: 748  
 Coffey DS: 1835  
 Coffino P: 749  
 Coghlan JP: 581, 4257, 4347  
 Cohen AS: 3444  
 Cohen BM: 750  
 Cohen CJ: 525  
 Cohen FB: 2079  
 Cohen H: 751  
 Cohen HA: 4228  
 Cohen HJ: 752  
 Cohen JJ: 1134  
 Cohen KL: 753  
 Cohen M: 754  
 Cohen MH: 755  
 Cohen P: 756  
 Cohen PT: 756  
 Cohen RD: 791  
 Cohen SH: 757  
 Cohen TJ: 288  
 Cohn DV: 2811  
 Cohn JN: 836  
 Cohn SH: 4409  
 Cohn VH: 758  
 Colás AE: 2733  
 Colasanti BK: 3496  
 Colbern DL: 759  
 Colby HD: 4219  
 Cole DJ: 3800  
 Cole FE: 760  
 Coleman C: 2966  
 Coleman LH: 298  
 Coleman P: 3570  
 Coleman R: 761, 1196  
 Coleman TG: 900  
 Colenbrander B: 762  
 Coleoni AH: 2943  
 Colette C: 2781  
 Coletti G: 763  
 Colina-Chourio J: 764  
 Colindres RE: 3118  
 Collan Y: 3746  
 Collier RJ: 3324  
 Collier T: 1487  
 Collins KJ: 765  
 Collins ML: 766  
 Collu R: 767  
 Colpaert FC: 768  
 Colston KW: 2509-2510, 3186  
 Combest WL: 3458  
 Comline RS: 236  
 Common RH: 197  
 Compère JF: 1213  
 Compton AA: 2078  
 Concolino G: 769  
 Concordia N: 604-605, 770  
 Condom R: 1536  
 Conklin PM: 3405  
 Connolly TM: 771  
 Conrad LM 3d: 772  
 Consiglio E: 2322  
 Constantinescu A: 773, 2912  
 Constantinidis J: 774  
 Conte N: 603  
 Conte-Devolx B: 775  
 Contessa AR: 776  
 Conti C: 769  
 Conti G: 84  
 Conti P: 763  
 Continenza MA: 777  
 Contrepolis M: 1025  
 Contreras P: 3255  
 Convey EM: 778  
 Cook B: 779  
 Cooke AR: 275  
 Cooke G: 2446  
 Cooke RA: 780  
 Cooley DA: 1328  
 Cools AR: 781  
 Coombes RC: 782, 1082  
 Cooper CW: 3148  
 Cooper EH: 798  
 Cooper GW: 3081  
 Cooper JR: 3634  
 Cooper KE: 1915  
 Cooper RA: 783  
 Cooper SM: 784  
 Coore HG: 263  
 Coppa G: 1296  
 Coppes VG: 144  
 Coppola S: 785  
 Corallini A: 786  
 Corbeira MS: 998  
 Corbet AJ: 787  
 Corbett JJ: 3072  
 Corbin A: 788  
 Corda MG: 367-370, 3266  
 Cordero J: 1320  
 Cordone G: 789  
 Corenblum B: 790  
 Corhil A: 2862  
 Corless D: 791  
 Cort JH: 2861  
 Cortés A: 1883  
 Cortés Froteza C: 792  
 Cortés-Gallegos V: 635, 823  
 Corti R: 922

# AUTHOR INDEX

Corvilain J: 1290  
 Corvol MT: 793  
 Corvol PL: 3474  
 Coryn M: 468  
 Coscina DV: 794-795  
 Cosgrove M: 1456  
 Costa E: 2461  
 Costa PP: 796  
 Costall B: 600  
 Costentin J: 3603  
 Cotti L: 3141  
 Coughlin MD: 797  
 Coukell MB: 4412  
 Coulon G: 219  
 Counahan R: 383  
 Counts SJ: 1609  
 Coupry F: 28  
 Courtois H: 3590  
 Coutel Y: 302  
 Coutrot S: 2651  
 Couturier E: 2556  
 Cowburn D: 1203  
 Cowen DM: 798  
 Cowley AW Jr: 900  
 Cox M: 1526  
 Coy DH: 799-801, 1166, 3049  
 Coy EJ: 799, 1166  
 Crabtree GR: 802  
 Craft I: 803  
 Craig CR: 3496  
 Craig GA: 1153  
 Crain B: 804  
 Crain SM: 804  
 Crane FL: 1402  
 Craven PA: 946  
 Crawford A: 805  
 Crawford FE: 182  
 Crawford JA: 806  
 Crawley JC: 3320  
 Creasy RK: 3702  
 Cremer M: 4058  
 Crenshaw MC Jr: 4302  
 Crepaldi G: 228  
 Crépin G: 901  
 Crépin M: 4014  
 Cresswell E: 560  
 Cretulescu G: 2571  
 Creutz CE: 3208  
 Crile G Jr: 807, 1116  
 Crim LW: 808  
 Crine P: 708  
 Crisosto C: 809  
 Crisp AH: 810  
 Criss WE: 811  
 Crivelli F: 2624  
 Crivello JF: 812  
 Croce N: 867  
 Crofton JT: 813  
 Croix D: 246  
 Crompton GK: 615  
 Crompton M: 609-610, 3401  
 Cronshaw J: 3135  
 Crosby WH: 3290  
 Crosignani PG: 814, 1170  
 Crothers DM: 876  
 Crow TJ: 815-816  
 Crowley TJ: 695  
 Crowley WF: 460  
 Crowley WR: 817-818, 2998  
 Cryer PE: 877  
 Csaba G: 819  
 Csaba I: 820  
 Csapo AI: 821  
 Csatory KN: 2870  
 Cseh G: 1446  
 Cseh I: 1011  
 Cserr HF: 822  
 Cuarón Santisteban A: 823  
 Cuatrecasas P: 1623, 3516, 4063-4065  
 Cuello AC: 1898  
 Cuenca E: 824-827, 1655, 2891  
 Cullen MJ: 2996  
 Culpepper WS: 839  
 Cummings FR: 1058  
 Cummings JH: 828  
 Cuniatti E: 1108  
 Cunin B: 2330  
 Cunliffe WJ: 829, 3727  
 Cunnane SC: 1984, 2580  
 Cupps TR: 830

Curci S: 831  
 Curčić-Stojković O: 832  
 Cure M: 3429  
 Curnow RT: 1405  
 Currie JR: 833  
 Currie VE: 834  
 Currie WB: 821  
 Curry CL: 1611  
 Curtis LE: 835  
 Curtiss C: 836  
 Curutchet HP: 2943  
 Curzon G: 408, 837-838  
 Cutie A: 3611  
 Cutilletta AF: 839  
 Cutler L: 840  
 Czajka MR: 1485  
 Czauderna J: 841  
 Czeizel E: 842  
 Czembirek H: 2140  
 Czernichow P: 126, 521  
 Czerwiński W: 3956  
 Czok G: 843

## D

Dabbagh-Markarian E: 3404  
 Dąbrowska B: 844  
 Dacey D: 1487  
 Da Costa EO: 845  
 D'Addabbo A: 846  
 Daggett P: 847  
 Dahl E: 848  
 Dahl J: 849  
 Dahlheim H: 3202  
 Dahlström A: 2469  
 Daiguji M: 850  
 Daijyo K: 2019  
 Dainat J: 3312  
 Dairou R: 589  
 Daitoku K: 2086  
 Dajani EZ: 851  
 Dal Negro R: 176  
 D'Alborton A: 814  
 Dalén N: 3907  
 Dalgarno AC: 2025  
 Dallman MF: 748, 852-853  
 Dalterio S: 854  
 Daly JR: 855  
 Damato VD: 846  
 Damber JE: 856  
 Damian A: 3713  
 Damian E: 857-859  
 Damjanov I: 860  
 Dammacco F: 846  
 Dancis J: 2359  
 Dandliker WB: 861  
 Dang HR: 862  
 Dange AH: 863  
 D'Angelo A: 1180  
 Dänhardt S: 2352  
 Danhof IE: 522  
 Daniels AJ: 864  
 Daniels GH: 460  
 Daniels-McQueen S: 865  
 Danielson BG: 3478  
 Danilova OA: 1445  
 Danilova OV: 1327  
 Dankova J: 866  
 Danner KG: 3568  
 Danoff BF: 867  
 Danova LA: 2251  
 Danovitch GM: 868  
 Dantzer R: 2810  
 Danzo BJ: 869  
 Dao TL: 870  
 Daoud J: 2566  
 Daoud FS: 871  
 Daoudal P: 219  
 Da Prada M: 872, 2036  
 Darbois Y: 306  
 Dardenne P: 302  
 Dargel R: 1757  
 Darling M: 1612  
 Dartois AM: 521  
 Darvas Z: 819  
 Darwish DH: 873  
 Das Gupta V: 874  
 Dascălu R: 747  
 Dashwood MR: 875  
 d'Athis P: 973  
 Dattagupta N: 876  
 Dattatreyaumurty B: 4018  
 Dattoli P: 1320  
 Daughaday WH: 877  
 Daunter B: 1675  
 Dautrevaux M: 2310  
 Davey DA: 4121  
 David GF: 878  
 David JL: 879  
 Davidson DF: 880  
 Davidson EM: 1225  
 Davidson JM: 748, 881  
 Davidson NM: 4407  
 Davies AG: 882  
 Davies AH: 400  
 Davies J: 883  
 Davies JA: 4068  
 Davies M: 884, 1674  
 Davis B: 3515  
 Davis BB: 4457  
 Davis H: 885  
 Davis HL Jr: 886  
 Davis JE: 4102  
 Davis JO: 887, 905  
 Davis SL: 888  
 Davis T: 3449  
 Davydov VV: 4120  
 Davydova ON: 2208  
 Davydova Sla: 889  
 Dawczynski H: 1757  
 Dawson G: 890  
 Dawson JL: 891  
 Dawson W: 2094  
 Dax EM: 892  
 Day H: 2743  
 Day MH: 893  
 Dayer JM: 1404  
 De S Rajaratne JL: 894  
 de Abreu Castro MS: 1174  
 Deacon J: 1078  
 Dean DM: 895  
 De Andrés De Colsa R: 3514  
 De Angelis L: 1484  
 Dearnley R: 446  
 Debenko MV: 2915  
 De Bock RF: 896  
 de Bold AJ: 3254  
 de Bold JF: 897  
 de Bold ML: 3254  
 Debono A: 3235  
 Debout J: 2196  
 Debova GA: 2214  
 Debras C: 4189  
 Debré P: 973  
 Debreczeni M: 2701  
 Debruyne D: 2819  
 de Carlo SJ: 735  
 de Casas OI: 2774  
 DeCastro SC: 2259  
 Decher RS: 898  
 Deck JH: 899  
 Declercq A: 3565  
 DeClue JW: 900  
 Decocq J: 901  
 Dedieu AG: 3771  
 Dedman JR: 902  
 Deetjen P: 2990  
 de Faire U: 903  
 DeFeudis FV: 904  
 DeForrest JM: 905  
 de Freitas MA: 3190  
 DeFronzo R: 3811  
 de Frutos Herranz M: 634, 906  
 Deftos LJ: 907, 2354, 3400  
 de Gaetano G: 3332  
 de Gennes JL: 4191  
 De Gezelle H: 4029  
 de Gier J: 4154-4155  
 Degos F: 908  
 de Graeff J: 4134, 4137  
 Degrelle H: 909  
 de Groot AW: 910  
 de Groote J: 911  
 Degrossi OI: 2774, 2943  
 Deguchi E: 912  
 Deguchi T: 2883  
 de Haas GH: 3771  
 De Haën C: 913  
 Dei Poli G: 914



# AUTHOR INDEX

- Deitch AD: 1341  
de Jong FH: 762  
de Jong W: 4327  
de Jonge E: 4155  
Dekel N: 915  
de Koning Gans HJ: 4031  
De Koster JP: 4058  
de Kretser DM: 916  
de la Chapelle A: 386  
de la Cruz A: 799  
de la Vega D: 1350  
Delahousse G: 901  
Delaini GG: 3167  
Delaney JP: 917  
de Lange WE: 918  
Delano BG: 1242  
Delanoy RL: 919  
Delarue C: 1893  
Delaunay J: 1202  
Delclos B: 3999  
Delcroix C: 2022  
Delcroix M: 901  
De Lean A: 2039, 2253  
Délégue L: 1367  
De Lellis A: 2427  
DeLellis RA: 920-921, 1454  
de León Lavenant S: 1653-1654  
Delin K: 164  
Delitala G: 922-923, 2618  
Della Rocca L: 500-501  
Dell'Acqua S: 2463  
Dellarolle AC: 3850  
Delost P: 3367  
De Lourdes Collado M: 924  
del Pino G: 3851  
Delsen J: 925  
Delso Jimeno JL: 926  
De Luca F: 927  
DeLuca HF: 928-929, 1924, 3315, 3613, 3991  
De Luca M: 2427  
DeLuise M: 728  
del Valle G: 1320  
Delwaide PJ: 3581  
De Marchi C: 4450  
de Maria H: 3816  
de Marinis S: 429  
De Matteis M: 763  
Demchenko VN: 3340  
De Mello FG: 930  
Demers JM: 3132  
de Mey JG: 931  
Demey-Ponsart L: 3930  
Dem'ianenko SS: 3881  
Demidenko DI: 932  
De Moor P: 1662  
Dempster WJ: 933  
Demura R: 2722, 2762  
Den K: 1732  
Denavit-Saubié M: 934  
Denef C: 935  
De Nicola AF: 936, 1251  
Denisenko PP: 937  
Denisov IuP: 3644  
Dennis RJ: 938  
Dennis SM: 2222, 2865  
de Olmos J: 939  
De Paillerets C: 4194  
dePinna GA: 940  
Deppmeyer V: 151-152  
Derappe C: 2343  
Derech-Mrozowska J: 941  
Derenne JP: 942  
Deriagin GV: 943  
de Ridder JJ: 944  
De Risi L: 501  
Derkx FH: 945  
Derom F: 103  
DeRouen TA: 1301  
DeRubertis FR: 946  
Dervain I: 2523  
de Ryck M: 947  
De Santis E: 948  
De Santis F: 770  
De Sarro A: 2959  
Desaullès E: 1823  
Descarries L: 2331  
De Schaepdryver A: 1132  
Desfosses B: 1536  
Deshpande BR: 2127  
Deslandes JC: 3404  
Deslauriers R: 3992  
Desmedt JE: 949  
Desmet G: 424  
DeSombre ER: 950  
De Souza EB: 4147  
Desplan C: 2729  
Désy L: 951  
DeTorrenté A: 473  
Deubelbeiss KA: 952  
Deung YK: 2245  
de Uribe MH: 4117  
Devaul RA: 1553  
Devaux AM: 2563  
de Vellis J: 458  
Devenport LD: 953  
Devi S: 954  
Devilla L: 923, 2618  
de Villamizar M: 745  
Devis G: 2557  
DeVita VT Jr: 955, 4433  
De Vlaming V: 956  
de Voogt HJ: 957  
Devynck MA: 690  
de Wardener HE: 958, 1051  
Dewey WL: 1907  
de Wied D: 768, 959, 4149  
de Wilde J: 960  
De Wit D: 324  
Dezan A: 1500  
Dezsó S: 961  
Dharker RS: 26  
Dharker SR: 26  
Dhondt D: 468  
Diaconescu MR: 2306  
Diaconescu R: 2305  
Diamond JM: 962  
Diamond MC: 3108  
Diani F: 963  
Dias JA: 964  
Díaz M: 1656  
Díaz-Chico BN: 965  
Díaz Curiel M: 966  
Díaz de León JC: 3643  
Díaz-Díaz ME: 965  
Díaz-Jouanen E: 967  
DiBella FP: 1622  
DiBenedetto A: 2465  
Dibjosubroto S: 143  
Dibner MD: 797  
Dicato MA: 739  
Di Chiara G: 968  
Dick TE: 3708  
Dickerman HW: 4022  
Dickman JJ 2d: 3549  
Dickman PS: 3969  
Diczfalusy E: 3369, 3925  
Didolkar MS: 2443  
Diebold K: 969  
Diekmann L: 4348  
Dierickx K: 1424  
Dietz R: 970  
Dietze G: 971  
Diffang C: 972  
Diffey BL: 791  
Dighiero G: 973  
Di Giovanni C: 948  
Di Girolamo M: 475  
Di Giulio S: 974  
Di Guglielmo A: 1391  
Dikhtenko GI: 2664  
Dillingham L: 3789  
Dil'man VM: 100, 975  
Diloy-Puray M: 580  
Di Marco PN: 976  
Dimitriu V: 3713  
Dimitrov MI: 3274  
Dimitrov V: 977  
Dinaburg AD: 978  
Dingjan P: 957  
Dingle JT: 898  
Dinno MA: 1727  
Dionidis IA: 979  
DiPietro DL: 1708  
Dipple I: 980  
Dirksen TR: 3655  
Disaia P: 981  
Di Salle E: 2346  
Di Silverio F: 769  
Dissing I: 3795  
DiStefano V: 2602  
Dittrich P: 4382  
Dixit VP: 982-983  
Dixon JE: 4005  
Dixon RL: 2323  
DiZerega G: 984  
Dizinno G: 2985  
Djordjević PB: 985  
Djurić DC: 985  
Dluhy RG: 986  
Dmitrieva LV: 987  
Do HM: 61  
Dobbie GJ: 2182  
Dobiáš J: 2681  
Dobracheva AD: 988  
Dobrescu G: 2305-2306  
Dobrev Ia: 4074  
Dobson H: 3106  
Dobyns BM: 989  
Dobryn VV: 943  
Docherty JJ: 2982  
Döcke F: 990-991  
Docter R: 4203  
Doe JE: 561  
Doe RP: 917  
Doerr HK: 3701  
Dohm GL: 992  
Döhning V: 3600  
Doi H: 3635  
Dokoh S: 1277  
Dokou S: 2168  
Dokumov S: 993  
Dolan M: 994  
Doldi SB: 216  
Dolev E: 995  
Dolin R: 2663  
Dolinescu C: 2305-2306  
Doliński J: 364  
Doll R: 4378  
Dollar JR: 996  
Dollery CT: 1354  
Dolman LI: 4308  
Dolva O: 997  
Doly M: 2565  
Dombros SE: 4299  
Domenici R: 777  
Domingue GJ: 668  
Dominguez AN: 998  
Dominic CJ: 3740  
Donabedian RK: 1394-1395  
Donadieu AM: 4124  
Donadio JV Jr: 999  
Donald RA: 1000  
Donaldson DH: 318  
Donaldson M: 3307  
Donaldson PT: 2389  
Donati MB: 3332  
Doneen BA: 2372  
Donelson AC: 2542  
Dongradi G: 269  
Doniach D: 457  
Donker AJ: 4139  
Donnadieu M: 678  
Donnelly TE Jr: 1001  
Donner DB: 1002  
Doorenbos H: 918  
Doppman JL: 494, 1888  
Doran J: 1003  
Doran M: 502  
Dorée M: 1004, 2795  
Dorfman SG: 2491  
Döring GK: 1005  
Dorn J: 113  
Dornbusch K: 1006  
Dörner G: 991, 1095  
Dorner S: 2496  
Dornfeld AM: 375-376  
Doroshenko VM: 2661  
Dorus E: 1007  
dos Santos RR: 2341  
Doşca V: 1607  
Døskeland SO: 1008-1010, 1230  
Doszpod J: 1011  
Doud FJ: 701  
Douglas WW: 1012  
Dousa TP: 1013-1014  
Doust BD: 1015  
Dowers S: 550  
Downie JW: 895  
Downing SJ: 2174  
Doyle AE: 1016, 2451

# AUTHOR INDEX

Doyle MJ: 1017  
 Drábková J: 1076  
 Draffehn J: 2999  
 Drăghici M: 773  
 Dragon N: 708  
 Drakenberg T: 1018  
 Dray A: 2986  
 Dreifuss JJ: 4023-4024, 4024  
 Drew SI: 1019  
 Drewes J: 1164  
 Dreyfus CF: 3599  
 Drolet DW: 1452  
 Drop R: 3963  
 Drouin H: 442  
 Drouin J: 1165, 2253  
 Drouva SV: 3427  
 Drüeke T: 974  
 Drulak M: 4249  
 Drummond GI: 1020  
 Dry J: 1021  
 D'Souza VJ: 1022  
 Du Boulay GH: 464  
 du Gres B: 1023  
 du Souich P: 2519  
 du Toit PW: 1778  
 Duarte N: 954  
 Dubey AK: 3520  
 Dubiecki W: 3461  
 Dubin B: 1024  
 Dubiski S: 1087  
 Dubois JB: 4132  
 Dubost C: 1894, 1992  
 Dubourguier HC: 1025  
 Dubousset AM: 1026  
 Dubrovskaja FI: 3779  
 Dubuisson L: 467  
 Duchier J: 163  
 Duchin KL: 1027  
 Ducker TB: 3493  
 Duckert F: 465  
 Ducroux P: 36  
 Dudai Y: 1028  
 Dudkiewicz J: 1029  
 Dudley DL: 1030  
 Duell EA: 3458  
 Duffy G: 1031  
 Duffy MJ: 1031  
 Duffy S: 1016  
 Dufy B: 2349  
 Duggan AW: 1032  
 Duhring JL: 3307  
 Dujovny M: 2259  
 Dulmanis A: 1056  
 Duma VA: 2418  
 Dumas JC: 165  
 Dumas S: 1706  
 Dumont C: 220  
 Dumont JE: 4135  
 Dumont-Herskowitz RA: 1033  
 Dumontier MF: 793  
 Dumoulin G: 441  
 Dunaeva LP: 1264  
 Duncan CJ: 3249  
 Duncan D: 615  
 Duncan G: 2557  
 Duncan GS: 4360, 4468  
 Duncan KL: 1034  
 Dunham J: 1020  
 Dunn A: 687  
 Dunn AJ: 919, 1035  
 Dunn C: 478  
 Dunnet J: 1036  
 Dunnett J: 1037  
 Dupont B: 2356  
 Dupont E: 1290  
 Dupont M: 2740  
 Dupont Y: 1038  
 Durand F: 3550  
 Duranteau A: 1894, 1992  
 Đurić M: 4057  
 Durkin HG: 1039  
 Durko T: 2255  
 Dürnberger H: 1040  
 Düsing R: 1041  
 Dusing GJ: 671  
 Dutau G: 1042, 3376  
 Dutrem MT: 1043  
 Dutt NH: 1044  
 Dutta AS: 1045  
 Dutton A: 1046

D'Uva V: 4157  
 Duval D: 1047  
 Duvernoy J: 441  
 Dvorkin B: 4019  
 Dy P: 3156  
 Dyball RE: 1046, 2975  
 Dyer S: 2322  
 Dyrenfurth I: 1164  
 Dysken MW: 1048  
 Dzenis IG: 3437

## E

Earley CJ: 1049-1050  
 Earp HS: 3845  
 Eastwood JB: 1051  
 Easty GC: 782  
 Eaton DL: 1052  
 Eaton RP: 3548  
 Eaves G: 798  
 Ebata T: 1053  
 Ebel H: 1054  
 Eberle A: 1055  
 Ebstein RP: 303  
 Echevarría MG: 3198  
 Echter E: 1894, 1992  
 Eddie LW: 1056  
 Edelman DA: 3277  
 Edelman IS: 1144, 2232  
 Edelson J: 3165  
 Edelstein S: 1057, 2907  
 Eden AR: 1058  
 Edgar DH: 1059  
 Edgerton WD: 1060  
 Edgren RA: 1785  
 Edholm OG: 1061  
 Edirisinghe R: 432  
 Edminson PD: 4078  
 Edmond P: 663  
 Edmonds J: 1062  
 Edqvist LE: 1063  
 Edwards AV: 405  
 Edwards BK: 2182  
 Edwards RL: 1961  
 Edwards SB: 1328, 3647  
 Efendic S: 2401  
 Egan RM: 3178  
 Eger EI 2d: 3390  
 Eggena P: 244, 1064  
 Eggers C: 1065  
 Egor'kova AS: 3700  
 Eguchi M: 1804  
 Eguchi T: 3485  
 Egyed J: 1011  
 Ehlers D: 2109  
 Ehrenberg E: 507  
 Ehret C: 2523  
 Ehrlich EN: 2970  
 Ehsani AA: 4342  
 Ehsanullah RS: 79  
 Eibach E: 1066  
 Eibschitz I: 3204  
 Eichberg J: 1067  
 Eichelman B: 3269  
 Eichenwald HF: 2486  
 Eiden L: 443  
 Eighthy JJ: 1068  
 Eilam Y: 507  
 Einhorn LH: 1069, 4335  
 Eisen HJ: 3715  
 Eisenstadt HB: 1070  
 Eisner M: 941  
 Eistola P: 3145  
 Ekblom P: 4044  
 Ekengren B: 4013  
 Ekman P: 1519  
 Ekstrom R: 2416  
 El Busto Osacar JJ: 136  
 El Ghorory M: 4  
 El Hassan AM: 1510  
 Elattar TM: 1071  
 Elberg AJ: 573  
 Eldar M: 1383  
 Elde RP: 3599  
 Eldefrawi AT: 3448  
 Eldefrawi ME: 3448  
 Eldevik OP: 1072  
 Eldor A: 1073  
 Eldred EW: 502

Eldridge R: 1970  
 Elger W: 283  
 Elias AN: 1074  
 Elias PM: 1075  
 Elion GB: 4360, 4468  
 Elis J: 1076  
 Eliseev MY: 1185  
 Eliseeva NA: 2237  
 Elizondo Elizondo F: 1653-1654  
 Elkhoully AE: 1077  
 Ell PJ: 1078  
 Ell S: 560  
 Ellenbogen PH: 3564  
 Eller BC: 869  
 Elliot JC: 1079  
 Elliott HR: 1080  
 Ellis H: 3419  
 Ellis KJ: 4409  
 Ellis LC: 1081  
 Ellis S: 657  
 Ellison M: 2606  
 Ellison ML: 782, 1082  
 Elmore RG: 1417  
 Elonen E: 2941  
 Elsinghorst TA: 3360  
 Elston CW: 2659  
 El'tsina NV: 1083  
 El'tsova ZI: 1084  
 Elwood CM: 3872  
 Ely DL: 1085  
 Emanuele G: 582  
 Emel'ianov NA: 1086  
 Emin M: 1087  
 Emmertsen K: 1088  
 Emson PC: 1898  
 Enami J: 1089  
 Endler P: 3618  
 Endo K: 1814-1815  
 Endo S: 2641  
 Endres P: 1090  
 Eneroth P: 3756  
 Engberg S: 1091  
 Engbring NH: 1092  
 Engel J: 1626  
 Engel K: 4255  
 Engel LW: 1093-1094  
 Engel S: 1095  
 Engeland WC: 852  
 Engelhard VH: 1096  
 Engelholm SA: 1097-1098, 3597  
 Engelmann C: 1099  
 Engineer DM: 1100  
 England BG: 1710  
 England P: 3070  
 Engstfeld J: 4282  
 Engström C: 1101  
 Engström G: 641  
 Eninia GI: 1102  
 Enjalbert A: 2153  
 Enjaume P: 3376  
 Enna SJ: 3314  
 Ennever J: 1103  
 Enochs MR: 3507  
 Entman BL: 1318, 3192  
 Enzi G: 228  
 Eppenberger U: 2182  
 Epstein AN: 1207, 3723  
 Epstein PM: 1104  
 Erasmus FR: 1778  
 Erbe W: 1105  
 Erdos JJ: 2539  
 Erdos T: 821  
 Erenpreisa EA: 1106  
 Erickson A: 473  
 Erickson GF: 1771  
 Erickson RP: 570  
 Ericsson JL: 118  
 Ericsson M: 1107  
 Eridani S: 1108  
 Eriksson H: 725-726  
 Eriksson K: 2929  
 Erkocak EU: 1109  
 Erlij D: 1475  
 Ermanni M: 4213  
 Ermini M: 3325  
 Ermshar CL: 1110  
 Ershikova IuE: 4442  
 Ertel NH: 42  
 Ertevsian LN: 1111  
 Ertl T: 820



# AUTHOR INDEX

Erulkar SD: 3280  
 Ervin S: 1112  
 Eschapasse P: 3122  
 Escher EH: 1113  
 Esler MD: 1927  
 Espina E: 1320  
 Espiner EA: 1000  
 Espinos Pérez D: 3447  
 Espinosa De Los Monteros Mena A: 2903  
 Espinosa-Meléndez E: 1114  
 Esponda P: 1115  
 Esposito S: 455  
 Esposito V: 2739  
 Esselstyn CB Jr: 1116  
 Estanove S: 1023  
 Esteban J: 824  
 Esteban JM: 826  
 Esterly NB: 1286  
 Estler CJ: 1899  
 Esztári I: 1117  
 Etches RJ: 2530  
 Etessami S: 1118  
 Etgen AM: 4310  
 Etherington DJ: 1119  
 Etherington MD: 2994  
 Eto T: 3524  
 Ettigi PG: 514  
 Etzioni A: 1120  
 Eurich R: 172  
 Evans A: 2279  
 Evans CM: 1121  
 Evans DH: 1122  
 Evans DM: 808  
 Evans FG: 1123  
 Evans JM: 2509  
 Evans JH: 3078  
 Evans MH: 1124  
 Evans PJ: 1119  
 Everett RB: 1125  
 Evers C: 2853  
 Everson RB: 4352-4353  
 Evill CA: 1126  
 Evtodienkh IuV: 174  
 Ewing JA: 1127  
 Exarchakos G: 3419  
 Extein I: 1395  
 Exton JH: 585  
 Eyster J: 496

## F

Faber J: 3386  
 Faber M: 1680, 1718  
 Fabiato A: 1128  
 Fabiato F: 1128  
 Fabre C: 1129  
 Fabris G: 786  
 Fadeev IuA: 96  
 Faed MJ: 1130  
 Fagard R: 1131-1132  
 Fagard RH: 2388  
 Fahmy DR: 3786  
 Fahmy MH: 1133  
 Fähræus L: 280  
 Fahrenholz F: 2394  
 Faillace LA: 1553  
 Faïman C: 629  
 Fairchild E: 4409  
 Fairchild SS: 1134  
 Fajtel'berg-Blank VR: 1135  
 Faivre-Bauman A: 1136  
 Fajgelj I: 719  
 Fakan F: 1137  
 Falappa P: 1138  
 Falaschi P: 611  
 Falcon JC 2d: 1139  
 Falkay GY: 3965  
 Fallon JT: 2024  
 Falloon I: 1140  
 Fan PT: 1141  
 Fanfani G: 846  
 Fang SL: 1587, 4247  
 Fang V: 2689  
 Fang VS: 2690-2691  
 Fann TR: 729  
 Fano M: 342, 3053  
 Fanska RE: 1244  
 Fantacci C: 582  
 Fares R: 4  
 Farfán V: 2688  
 Farid NR: 1142, 2285  
 Faris B: 487  
 Farjo IB: 1143  
 Farman AG: 2980  
 Farman N: 1144, 2232  
 Farmer DM: 1966  
 Farmer SW: 2380  
 Farner DS: 146, 1145  
 Farr GH Jr: 3787  
 Fasolo A: 1146  
 Fatouris D: 209  
 Fatranská M: 1147  
 Fau R: 3380  
 Fauci AS: 1616, 2004, 2157, 3113  
 Faundes A: 75  
 Faure B: 1536  
 Faus MJ: 3502  
 Favino A: 1148  
 Fawcett CP: 2479  
 Fawcett DW: 114  
 Fawns HT: 1149  
 Fawwaz RA: 1150  
 Fayeze JA: 1151  
 Fedelsova M: 2188  
 Feder HH: 2276  
 Federlin K: 1639  
 Fedianin IuP: 1152  
 Feeney JG: 1153  
 Fehlinger R: 4109  
 Fehm HL: 2187  
 Feigelson P: 684, 2231  
 Feigen LP: 669, 1934  
 Feiglin H: 3204  
 Feiner H: 1154  
 Feinstein AR: 1756  
 Feinstein MB: 840, 1155  
 Fejes-Tóth G: 1156  
 Fekete A: 1156  
 Fekkes D: 4203  
 Felbo M: 4172  
 Feldberg W: 875, 1157  
 Feldman D: 1158  
 Feldman F: 1159  
 Feldman PS: 3969  
 Feldman ZT: 1454  
 Felig P: 3811  
 Feliot J: 157  
 Felmer M: 193  
 Felt V: 1160-1161, 2909  
 Feltman R: 4011  
 Feltynowski T: 1880  
 Fende PL: 2944  
 Fendler JP: 269  
 Fenichel R: 3517  
 Fenske M: 421  
 Fenster LF: 1162  
 Ferdinand P: 1690  
 Ferguson RH: 999  
 Ferguson RK: 528  
 Ferguson RM: 1163  
 Ferguson SJ: 2035  
 Ferin M: 1164  
 Ferjo N: 1284  
 Ferkany J: 3314  
 Ferland L: 1165-1166, 2039, 2253  
 Ferlinz R: 1090  
 Fernandez BM: 1167  
 Fernández MC: 2424  
 Fernández-Durango R: 1168  
 Fernández Epifanio JL: 1415  
 Fernández-García R: 3538  
 Fernandez Ruiz B: 1322  
 Fernandez-Sanz J: 3065  
 Fernando JC: 837  
 Ferrandiz Arjonilla L: 1169  
 Ferrando U: 1500  
 Ferrari C: 1170  
 Ferrari R: 1171  
 Ferre P: 1172  
 Ferreira A: 1173  
 Ferreira SH: 1174  
 Ferrendelli JA: 1458, 4075, 4248  
 Ferrer M: 1656  
 Ferres-Torres R: 2708  
 Ferris S: 595  
 Ferro MT: 1175  
 Ferro-Luzzi A: 1176  
 Fesenko VP: 1177  
 Fessard C: 2563

Fessler RG: 2691-2692  
 Fetz A: 2037  
 Fevold HR: 1178  
 Feyel-Cabanes T: 1179  
 Fiaschi E: 1180  
 Fibach E: 1181  
 Fibiger HC: 1182  
 Fichna P: 2558  
 Fichsel H: 1183  
 Fidler IJ: 2939  
 Fields HL: 2355  
 Fieschi M: 3430  
 Figueira AS: 796  
 Filaretov AA: 1184-1185  
 Filatov VF: 1186  
 Filchner R: 1187  
 Filczewski M: 1188  
 Filion M: 1189  
 Fina LR: 2865  
 Fine BS: 1190  
 Fine D: 1191  
 Fine LG: 495  
 Finestone AJ: 1192  
 Fink G: 1193-1194  
 Fink JN: 757  
 Fink R: 4077  
 Finkbeiner AE: 1195  
 Finkelbrand S: 1196  
 Finkelstein JS: 592, 1197  
 Finklestein JZ: 1482  
 Finucane J: 1198  
 Fiordigiglio MC: 605  
 Fiore L: 3546  
 Firkin BG: 3173  
 Fischer CR 3d: 2636  
 Fischer HR: 1199  
 Fischer HW: 3832  
 Fischer JA: 2794  
 Fischer P: 1200  
 Fischer PW: 1201  
 Fischer S: 1202  
 Fischman AJ: 1203  
 Fisher DA: 1204  
 Fishkes H: 3593  
 Fishman J: 1205  
 Fitch N: 1206  
 Fitzgerald JR: 1901  
 Fitzharris BM: 3786  
 Fitzpatrick P: 175  
 Fitzsimons JT: 1207  
 Flamant F: 1208-1209  
 Flamenbaum W: 2008  
 Flatau E: 1210  
 Flawiá MM: 4063-4064, 4064-4065  
 Flax P: 787  
 Fledelius HC: 1211  
 Fleischer S: 1212  
 Fleming H: 3536  
 Fletcher J: 663  
 Fletcher WH: 3847  
 Fleury P: 1213  
 Flickinger GL: 3594  
 Flink H: 1214  
 Flinn RB: 1215  
 Floersheim GL: 1216  
 Floersheim Y: 2037  
 Floreani M: 225, 776  
 Flückiger E: 1608  
 Fludder JM: 1217  
 Flynn JT: 1218  
 Fobian JE: 4259  
 Fodge DW: 1219  
 Foglia VG: 1251  
 Fogwell RL: 1220  
 Folco GC: 342, 3053  
 Földes J: 217  
 Folleboeck JJ: 935  
 Follenius M: 2704  
 Follett BK: 1221, 1895  
 Fong BC: 1311  
 Fong JS: 3060  
 Fonnum F: 4236  
 Fonseca G: 4172  
 Font RL: 4332  
 Fontagné J: 1222  
 Fontaine M: 1302  
 Fontaliran F: 1750  
 Fontana P: 534  
 Ford EB: 2151  
 Ford HT: 3786

# AUTHOR INDEX

Ford K: 1223  
 Ford LE: 349  
 Ford SP: 1224  
 Ford-Hutchinson AW: 1225  
 Foree B: 1780  
 Forman BH: 1226  
 Formanek A: 1022  
 Forney JP: 1227  
 Forney RB: 2621  
 Forrest AP: 2734  
 Forssmann WG: 115, 2705, 3571  
 Forster RA: 3727  
 Forsyth GW: 1228, 1564  
 Fortune DW: 3078  
 Foss I: 4078  
 Fossati P: 1229  
 Fossberg TM: 1009, 1230  
 Foster JL: 1231  
 Foucaud BY: 4194  
 Foulkes JG: 756  
 Foulks JG: 446  
 Fourcade R: 2234  
 Fourman GL: 2830  
 Fouriez G: 1232  
 Fournie-Zaluski MC: 1233  
 Fowler PB: 1234  
 Fox J: 1235-1236  
 Fox KM: 3629  
 Frackiewicz A: 663  
 Fradis M: 3204  
 Fraga A: 2300  
 Frajese G: 611  
 Franc S: 2321  
 France R: 4240  
 Francesconi RP: 1237  
 Franchimont P: 2332  
 Francini G: 1353  
 Franciosa JA: 836  
 Francis KT: 1238  
 François J: 1239  
 Frang D: 1240  
 Frank JS: 1241  
 Frank WM: 1242  
 Franke L: 4109  
 Franke WW: 1243  
 Frankel BJ: 1244  
 Frankel FR: 3642  
 Franks CR: 1994  
 Franks DJ: 1563  
 Franks LM: 1245  
 Frantz P: 2234  
 Franz DN: 3512  
 Franz HE: 130  
 Franzblau C: 487  
 Franzoni MF: 1146  
 Fraser AS: 3553  
 Fratello A: 846  
 Frattola L: 253, 644  
 Fraysse J: 1563  
 Frederiksen P: 1246, 4036  
 Fredsted B: 2158  
 Freed CR: 1247  
 Freeman RH: 905  
 Freemark M: 1248  
 Freeny PC: 1162  
 Freinkel N: 2477  
 Freire M: 3503  
 Freireich EJ: 276, 1249  
 Freitas JE: 1486  
 Frewin DB: 1361  
 Frey HM: 997  
 Freyschmidt J: 1250  
 Frias FA: 3190  
 Frick MH: 2941  
 Fricke M: 2197  
 Fridman J: 3418  
 Fridman O: 1251  
 Fried K: 1252  
 Friedberg HD: 3556  
 Friedland RP: 1253  
 Friedlander M: 3443  
 Friedman AH: 1254  
 Friedman AM: 1255  
 Friedman BI: 1906  
 Friedman EA: 1242  
 Friedman GS: 1304  
 Friedman MA: 1256  
 Friedman PA: 2374  
 Friedman RM: 1257, 1479  
 Friedrich U: 1258

Friend C: 3566  
 Friend DS: 1075  
 Friesen HG: 422, 629, 2530  
 Frink R: 2199  
 Frischauf AM: 1259  
 Frischkorn CG: 1260  
 Frischkorn HE: 1260  
 Frisina N: 1261  
 Frizzi V: 531  
 Froesch ER: 4448  
 Fröhlich ED: 1704  
 Fröhlich P: 1449-1450  
 Frölich ED: 760  
 Frölich JC: 2988, 4240  
 Frol'kis VV: 1262-1263  
 Frolov EP: 1264  
 Frömter E: 4112  
 Frontera-Izquierdo P: 1265  
 Froshaw P: 52  
 Frost BR: 1361  
 Fruteau de Lacroix C: 1266  
 Fry JP: 1267  
 Fuchs HS: 1268  
 Fudyma G: 2449  
 Fuentes JM: 3404  
 Fujieda K: 1269, 1694  
 Fujii O: 2132  
 Fujii S: 2639  
 Fujii T: 1270  
 Fujimori M: 3651  
 Fujimoto S: 1271  
 Fujimoto Y: 1272  
 Fujimura N: 1273  
 Fujino T: 3066  
 Fujisawa H: 4404  
 Fujita T: 1274, 1277  
 Fujiwara H: 456  
 Fujiya H: 1275  
 Fukase M: 2634, 4417  
 Fukuchi S: 1276  
 Fukuda H: 2120, 2801, 3990  
 Fukuda M: 420  
 Fukuda S: 4060  
 Fukui K: 1964  
 Fukui N: 2756  
 Fukunaga M: 1277, 2168  
 Fukushima D: 1205  
 Fukushima K: 3688  
 Fukushima T: 1744  
 Fulka J: 1278  
 Fuller RW: 1279-1282  
 Funakawa S: 1283  
 Funck-Brentano JL: 738  
 Funder JW: 1705  
 Funderburk SJ: 1284  
 Fung C: 3439  
 Furcht LT: 1285  
 Furey NL: 1286  
 Furmanskii P: 3345  
 Furr BJ: 1045  
 Fürst K: 2140  
 Fürst P: 333  
 Furth J: 1287  
 Furudate S: 1288  
 Furuhashi N: 3970  
 Furukawa K: 1289  
 Furuyama F: 3533  
 Fuss M: 1290  
 Futrakul P: 1291  
 Fuxe K: 1292, 3602  
 Fyffe JA: 4407  
 Fyhrquist F: 690, 1483  
 Fynn M: 560

## G

Gaal M: 1293  
 Gabauer I: 2188  
 Gabelman N: 3566  
 Gabriel GN: 3  
 Gabriel HJ: 2145  
 Gabriel M: 1294  
 Gabriel P: 1295  
 Gabriele S: 3567  
 Gabrielli O: 1296  
 Gabryelewicz M: 1434  
 Gacel G: 1233  
 Gachályi B: 1297  
 Gaddum-Rosse P: 3455

Gadek JE: 2157  
 Gadgil BA: 2127  
 Gaffney EV: 556  
 Gaffori O: 380  
 Gafni Y: 1298  
 Gage JP: 1299  
 Gagel RF: 1454  
 Gager WE: 2028  
 Gagliardino JJ: 1300  
 Gagnan-Brunette M: 646  
 Gaillard G: 2565  
 Gaitan E: 1301  
 Gajdos-Preuss A: 1302  
 Gajewski AK: 3773  
 Gal A: 4170  
 Gala RR: 1710  
 Galand P: 1628  
 Galante L: 782  
 Gale CC: 3876  
 Galfrè G: 3885  
 Galiana J: 825, 827  
 Galimberti I: 4323  
 Gallamini A: 2627  
 Gallant S: 517, 1303  
 Gallay J: 4194  
 Galli M: 1353  
 Galli-Gallardo SM: 201, 3541  
 Gallili GE: 4386  
 Gallily R: 4228  
 Gallo M: 90  
 Gallop PM: 2375  
 Galochkina AA: 2053  
 Galpin JE: 1304  
 Galvan G: 1305-1306  
 Galvin MJ: 1307  
 Galynker II: 2027  
 Gamal-el-Din L: 319  
 Gambacorta M: 1391  
 Gambrell RD Jr: 1308  
 Gammill S: 1309  
 Gammon DE: 374-376  
 Gancarczyk L: 2545  
 Ganda OP: 3538  
 Gandelman R: 3329, 3717-3718  
 Ganel A: 1310  
 Gangarosa LP: 1311  
 Gange RW: 1312  
 Gann DS: 1313  
 Ganong WF: 1314, 4285  
 Gant NF: 1125, 2534  
 Ganten D: 1315  
 Garancis JC: 2147  
 Garay Salas E: 1316, 2584  
 Garbarg M: 3207  
 Garbe G: 1956  
 Garber AJ: 1317-1318  
 Garcia JA: 2857  
 Garcia M: 1319, 4184  
 Garcia R: 1655  
 Garcia SF: 1320  
 Garcia Albea E: 583  
 Garcia-Bellido A: 3364  
 Garcia de Yébenes J: 2694  
 Garcia Lara L: 3504  
 Garcia-Miguel P: 1415  
 Garcia-Mora R: 1321  
 Garcia Morillas M: 3251  
 Garcia Núñez R: 1805  
 García-Ramos JL: 1321  
 Garcia-Ruiz JP: 3502  
 Garcia-Sala Viguer F: 1265  
 Garcia-Segura LM: 1322  
 Garcia-Sevilla JA: 1323  
 Garcia Vela A: 1408  
 Gardiner SM: 317  
 Gardner DG: 1324  
 Gardner EA: 1325  
 Gardner JD: 1897  
 Gardner M: 1931  
 Gardner PJ: 693  
 Garfield SA: 1326  
 Garg M: 3542  
 Gargiulo G: 624  
 Garigue J: 165  
 Garlick PB: 1621  
 Garmatina SM: 1327  
 Garner SC: 3148  
 Garrett RA: 1439  
 Garrido J: 3828  
 Garrido M: 1657



# AUTHOR INDEX

- Garrison-Gund CK: 2908  
Garson A Jr: 1328  
Garszel J: 1329  
Garthwaite J: 1330  
Garverick HA: 1417  
Garvras H: 703  
Garwin JL: 3836  
Gasc JM: 1331  
Gates GF: 3856  
Gates RE: 1966  
Gáti E: 1332  
Gáti I: 1011  
Gaudy JH: 1335  
Gaulme J: 2565  
Gauthier R: 1333  
Gautier C: 1334  
Gautier H: 1335  
Gavelli G: 1336  
Gavras H: 528-529, 1337  
Gavras I: 703, 1337  
Gawlik Z: 124  
Gay R: 2329  
Gayton RJ: 1338  
Gazet JC: 3786  
Gazis D: 1339-1340  
Gazitt Y: 1341  
Gazzetti P: 3497  
Geatti O: 225  
Gédéon A: 2284  
Gedevanishvili MD: 1342  
Geel SE: 1414  
Geertinger P: 86  
Geffen LB: 1194  
Geggel RL: 1343  
Gehan EA: 1249  
Gehring U: 1668  
Geiger B: 180  
Geisler A: 1344  
Geiss M: 3191  
Geissendörfer T: 1345  
Gekhman BI: 1346  
Gekht BM: 1347  
Gelato MC: 1348  
Gelehrter TD: 2340, 3836  
Geller HM: 1349  
Geller J: 1350  
Gelley C: 3116  
Gemmell MA: 1351  
Genant HK: 3299  
Genard P: 2332  
Gendrel D: 1352  
Genel M: 2010, 3811  
Genieser NB: 3120  
Gennari C: 1353  
Gensburger JM: 427  
Genster H: 3597  
George CF: 1354  
George R: 734, 2857  
Georges P: 678  
Georgi M: 1355, 3440  
Georgia R: 51  
Gerard-Marchant R: 1208-1209  
Gerasimova EN: 1356  
Gerber LD: 2367  
Gerber M: 1357  
Gerdes H: 1389  
Gerendai I: 3546, 4303  
Gerhard I: 1358-1359  
Gerhardt P: 1360  
Gerisch G: 3281  
Gerke DC: 1361  
Gerling SA: 4387  
Gerlis LS: 1362  
German DC: 2082-2083  
German J: 1363  
Gerold M: 3511  
Gerris J: 4029  
Gerritsen ME: 1364, 3110  
Gershanovich ML: 2251  
Gershman ST: 3584  
Gershon MD: 3599  
Gerson M: 2591  
Gertner R: 3204  
Gertzén H: 1365  
Gessa GL: 367-370, 968, 3266  
Gessner G: 3147  
Geurts J: 1290  
Geyskes GG: 1366  
Ghaly AF: 4  
Ghanadian R: 3780  
Ghanekar AG: 874  
Ghanem MH: 1133  
Gharrett AJ: 2561  
Ghayur T: 1984  
Ghazvinian S: 3538  
Ghergut A: 2571  
Gheuens J: 2455  
Ghnassia MD: 1367  
Ghosh A: 4158  
Ghosh JJ: 2863  
Ghosh PK: 2755  
Ghoshal NG: 440  
Ghrif R: 2304  
Giambalvo CT: 1368  
Giannangeli G: 763  
Giannola C: 241  
Gibb LM: 1748  
Gibbons JL: 1369  
Gibbs CW Jr: 874  
Gibert-Rahola J: 826  
Gibson GE: 1370  
Gibson WR: 779  
Giddens WE Jr: 3789  
Giedt WR: 2265  
Giedt WR Jr: 1371  
Gil Recasens ME: 924  
Gilboa-Garber N: 1372  
Gildersleeve NB: 1035  
Gilenko IA: 2664  
Giles MB: 1045  
Giliana J: 1655  
Gilkes JJ: 3318  
Gill JR Jr: 1373  
Gill TS: 1374  
Gillespie J: 1007  
Gillette JR: 2695  
Gillette RW: 1375  
Gilli G: 2675  
Gilligan BS: 1376  
Gilliland JM: 1377  
Gillin JC: 1248  
Gillis RA: 1637  
Gillmer MD: 1782  
Gilloteaux J: 1378  
Gillum AM: 1379  
Gilmore OJ: 3419  
Gilsanz FJ: 3313  
Gilula NB: 2303  
Gilonova NI: 1380  
Gingrich RD: 1381  
Girard J: 1172  
Girardeau JP: 1025  
Girgis S: 782  
Girgis SM: 2700  
Girgis SS: 1324  
Girina NI: 1795  
Girit EZ: 3179  
Girke W: 2840  
Gisolfi CV: 2672  
Gispén WH: 759, 781  
Gitel SN: 1382  
Giurgiu T: 51  
Giusti M: 2613  
Gladysz A: 1385  
Glanz I: 1383  
Glaser M: 1096  
Glasgow JG: 1384  
Glass DB: 1401, 1447  
Glassock RJ: 1304  
Glatstein EJ: 3410  
Glatt M: 3160  
Glazko TT: 1949  
Glazunov IS: 1356  
Gleason RE: 1664  
Glebowska H: 278, 1385  
Gleispach H: 3895  
Glenn GC: 1386  
Glick S: 868  
Glimsmann WH: 3715  
Glossmann H: 3908  
Glowinski J: 4000  
Gluckman PD: 207  
Gluszek J: 2858  
Glydensted C: 1211  
Gmaj P: 2070, 4112  
Gnezditskaia EV: 1347  
Gnoni GV: 1387  
Go VL: 2732  
Göbel P: 1388  
Gockowski K: 3793  
Goddard C: 4196-4198  
Godeau F: 259  
Godefroi VC: 1755  
Godse DD: 794  
Goebel HH: 1294  
Goebel KM: 1389  
Goebell H: 1762  
Goerke J: 1075  
Goertz KE: 1228  
Goff AK: 1390  
Gogan F: 2154  
Goglio R: 1391  
Goh HH: 691  
Gohlke R: 1392  
Goizueta G: 583  
Golander A: 1393  
Gold AR: 21  
Gold MS: 1394-1395, 2916  
Gold PE: 1396-1397  
Gold WM: 237  
Goldberg A: 2516  
Goldberg AD: 3320  
Goldberg AP: 1398  
Goldberg DJ: 1399  
Goldberg LI: 1400  
Goldberg ND: 1401, 1447  
Goldblatt D: 2820  
Goldenberg H: 1402  
Goldfarb CR: 596  
Goldkrand JW: 1403  
Goldman A: 475  
Goldring SR: 1404  
Goldsmith JF: 319  
Goldsmith PC: 4465  
Goldstein A: 1467  
Goldstein AL: 2200  
Goldstein DA: 2625  
Goldstein DE: 1405  
Goldstein M: 1719, 2862, 3599  
Goldstone A: 2130  
Goldzieher JW: 1406  
Gole JW: 614  
Golikov AP: 1407  
Golovchanskii OV: 4442  
Golub EE: 507  
Golubeva NN: 1428  
Gomes AS: 1022  
Gomez J: 2351  
Gomez-Leon G: 4071  
Gomez-Sanchez CE: 1723  
Gómez Vargas E: 1408  
Gomi T: 3928, 3978  
Gomi Y: 1409  
Gomita H: 1410  
Gomita Y: 1410  
Goncalves N: 2840  
Gonce M: 1411  
Goncharenko EN: 1412  
Gondek MD: 2842  
Gonnot G: 1413  
Gonzales C: 4175  
Gonzales LW: 1414  
Gonzales-Ansorena R: 3446  
González Briseño MR: 1653-1654  
Gonzalez-Cadavid NF: 618  
González-Conde CS: 998  
González Esparza L: 136  
González-Martín MC: 1415  
González Noriega A: 1416  
González Paleo JR: 2444  
González Ruiz F: 2444  
Good RA: 3473  
Goodale WS: 1417  
Goodall ED: 2025  
Goodlin RC: 335  
Goodman DB: 3300  
Goodman FR: 1418  
Goodman M: 1419  
Goodman P: 4239  
Goodman R: 1420  
Goodman RL: 1638  
Goodrich G: 2316  
Goodrich I: 1226  
Goodridge AG: 1201  
Goodrum KJ: 1421, 2791  
Goodwin CD: 1422  
Goodwin FK: 1395  
Goodwin JS: 1423  
Goossens N: 1424  
Goranskii AI: 1425

# AUTHOR INDEX

Gorbach SL: 2277  
 Gordeladze JO: 1559  
 Gordienko VM: 1426  
 Gordon D: 485, 1427  
 Gordon DS: 1428  
 Gordon NC: 2355  
 Gordon S: 1429  
 Gorenshstein AI: 1430  
 Göretzlehner G: 2246  
 Gorevaia AN: 3501  
 Goriachev VV: 1431  
 Görisch I: 1432  
 Gorman CA: 2732  
 Gorodtsova VI: 1433  
 Gorokohova NM: 1508  
 Górowski T: 1434  
 Górka B: 4482  
 Gorski RA: 2500  
 Gorwill RH: 1435  
 Gosden RG: 1436  
 Gospodarowicz D: 4460  
 Göthlin G: 118  
 Goto G: 1437  
 Goto H: 2855  
 Goto I: 2850  
 Goto M: 1571  
 Goto Y: 1438  
 Gotsiridze OA: 3696  
 Gottschalk W: 1566  
 Götz F: 1095  
 Götz M: 1824  
 Goud TJ: 3912  
 Gouet P: 1025  
 Gould LV: 1074, 4192  
 Goulding FJ: 1439  
 Goumy P: 2565  
 Goupil FL: 4027  
 Gout M: 1208  
 Gouvernet J: 3430  
 Govindan MV: 1440  
 Govoni S: 3830  
 Gowans L: 663  
 Goy RW: 3770  
 Gozariu L: 1441  
 Gozzetti G: 1442  
 Graber P: 1443  
 Grabner W: 2910  
 Grabowska-Bochenek R: 1444  
 Grace E: 3706  
 Gracheva ND: 1445  
 Gráf KJ: 161  
 Gráf L: 1446  
 Graff G: 1401, 1447  
 Graham J: 2822  
 Graham JW: 3500  
 Graham K: 1448  
 Gramlich B: 1449-1450  
 Granberg PO: 3020  
 Granerus G: 164  
 Granger AS: 2174  
 Grant DB: 2496  
 Grant GA: 365  
 Grant M: 1451  
 Grant NH: 3518  
 Grant PG: 1452  
 Grasso G: 846  
 Grau JE Jr: 1497  
 Gravis CJ: 1453  
 Gray HE: 1035  
 Gray JW: 749  
 Gray SL: 3293  
 Grayburn JA: 1476  
 Grayhack JT: 3852-3853  
 Graze K: 1454  
 Grechishkin LL: 1455  
 Greco D: 1391  
 Greco FA: 3349  
 Grecz N: 3286  
 Greeley GH: 2922  
 Green AR: 4429  
 Green B: 885  
 Green EJ: 759  
 Green GR: 594  
 Green H: 3341-3342  
 Green L: 61  
 Green M: 1502  
 Green O: 2477  
 Green R: 1456, 3290  
 Green S: 4144  
 Green U: 1457

Greenberg LH: 1458  
 Greenberger JS: 1459  
 Greene LA: 1460  
 Greene LW: 595  
 Greenfield LD: 1461  
 Greenfield MA: 2327  
 Greengard P: 2432, 2928, 3574  
 Greenhill LL: 3253  
 Greenspan EM: 525  
 Greenwald GS: 675  
 Greenwald RA: 1462  
 Greger R: 2990  
 Gregorić G: 1463  
 Greiner JW: 4219  
 Greipp PR: 2247  
 Grekov P: 1464  
 Gremigni D: 1465  
 Gresik EW: 1466  
 Greston WM: 2099  
 Greve T: 3810  
 Grevert P: 1467  
 Grewal GS: 1468  
 Greyson ND: 1469  
 Gribble D: 3906  
 Griffin JE: 2350  
 Griffin WS: 1470  
 Griffiths K: 2659  
 Griggs RC: 2820  
 Grigoleit HG: 2347  
 Grigor MR: 784  
 Grigorenko PP: 2662  
 Grigor'eva ZE: 1471-1472  
 Grigor'eva laV: 3392  
 Grimbeek J: 359  
 Grimberg MT: 1473  
 Grmelius L: 1474  
 Grimes SR: 2679  
 Grinstein S: 1475  
 Gripenberg U: 1476  
 Grisafe JA: 1477  
 Grisar T: 569  
 Grizard G: 1478  
 Groarke Y: 1031  
 Grodsky GM: 1244  
 Grollman EF: 1257, 1479  
 Gronan RJ: 1480  
 Gronau A: 1481  
 Groncy P: 1482  
 Grönghagen-Riska C: 1483  
 Gropp A: 3323  
 Groppetti A: 1484  
 Gros F: 4014  
 Groschinsky-Grind M: 280  
 Gross DS: 194  
 Gross F: 970, 1707  
 Gross I: 1485  
 Gross MD: 1486  
 Gross WB: 1527  
 Grossi MP: 786  
 Grossman SP: 1487  
 Grotjan HE Jr: 1488  
 Grötte GJ: 2024  
 Grouselle D: 1136  
 Grub R: 1489  
 Gruber M: 4324  
 Gruchalski J: 2409  
 Gruen PG: 1490  
 Grumbach MM: 207  
 Grun LB: 3392  
 Grün M: 102  
 Grund C: 1243  
 Grunnet I: 1491  
 Gruss JS: 1492  
 Gruszecka M: 1493  
 Grutsch JF: 1494  
 Gruys E: 2677  
 Gryczyński M: 2255  
 Gryglewski R: 2777, 3960  
 Gryglewski RJ: 1495-1496, 3959, 3961  
 Gualano M: 3904  
 Gualdi G: 488  
 Guarnieri C: 1171  
 Gubanov EF: 3394  
 Guchhait RB: 1497  
 Gudelsky GA: 1498, 2788  
 Gudiño J: 2300  
 Gudiol T: 1499  
 Guermani P: 1500  
 Guerrier P: 1004, 2795  
 Gugler R: 1899

Gugliantini P: 1501  
 Guideri G: 232, 1502  
 Guidotti A: 2461  
 Guidotti G: 1503  
 Guillebaud J: 1504  
 Guillemette G: 1113  
 Guillemin R: 907, 1505-1506, 2398  
 Guirgis H: 1205  
 Gulianskii LN: 1507  
 Gul'ians ES: 1508  
 Gulko CS: 1509  
 Gumaa SA: 1510  
 Gumerman LW: 806  
 Gumulka W: 1511-1512  
 Gunderson TJ: 2561  
 Gunne LM: 1513  
 Günnewig H: 4306  
 Gunter KK: 1514  
 Gunter TE: 1514  
 Günther M: 1515  
 Günther T: 2472  
 Gupta A: 1516  
 Gupta IM: 1516  
 Gupta RM: 1516  
 Gupta RN: 513  
 Gupta RR: 3849  
 Gupta S: 661, 3473  
 Gupta SP: 791  
 Gupta US: 1517  
 Guraya SS: 862, 1518  
 Gurchinoff S: 1551  
 Guroff G: 1816  
 Gurpide E: 3536  
 Gusseck DJ: 1110  
 Gustafsson JA: 554, 1292, 1519-1521, 3031, 3675, 3880  
 Gustafsson SA: 1520  
 Gustavson KH: 1091  
 Gustin MC: 3301  
 Gustowski A: 2466  
 Gutcher GR: 1522  
 Gutman ZM: 54  
 Gutnik AI: 2417  
 Gutterman JU: 276  
 Guttmann RD: 1523  
 Guyaux M: 1524  
 Guyda H: 793  
 Guyene TT: 1750  
 Guyton AC: 900  
 Guze LB: 1304  
 Guzek JW: 1525  
 Guzzo J: 1526  
 Gwazdauskas FC: 1527  
 Gwizdz Z: 2925  
 Gwynne JT: 1528, 3056  
 Gyarmati J: 1529  
 Gyarmati J Jr: 1529  
 Gyepes MT: 3856  
 Gyles CL: 1530  
 Gylfe E: 1531  
 Györgyi S: 217  
 Györök J: 1532

## H

Haap K: 2135  
 Haas E: 4415  
 Haas HG: 568  
 Haase F: 3396  
 Haase J: 1808  
 Haase W: 2070  
 Habener JF: 1533  
 Haber E: 1534  
 Haber LH: 1920  
 Haberly LB: 1535  
 Haberman S: 288  
 Habig W: 2322  
 Habrioux G: 1536  
 Hackeng WH: 1199, 2832, 3360  
 Hackenthal E: 1537  
 Hadama T: 3688  
 Haddad SA: 24  
 Hadden DR: 2489  
 Hadden JW: 1538  
 Haddox MK: 1401, 1447  
 Hadler WA: 3709  
 Hadley ME: 3631  
 Haebara H: 970  
 Ha'eri GB: 3560



# AUTHOR INDEX

- Heusler G: 3511  
 Hefez ES: 788  
 Hefele R: 421  
 Hefes HD: 3324  
 Hefes HJ: 1010  
 Hefes L: 1539  
 Hefes JM: 4342  
 Hefes GR: 1540  
 Hefes-Taal JC: 1932  
 Heger C: 569  
 Hefigahara B: 3533  
 Hefigawara T: 2042  
 Hefigmaier V: 568  
 Hefin E: 1541  
 Hefin RG: 1542  
 Hefinberger R: 3019  
 Hefin S: 1543, 3733  
 Hefinaut K: 949  
 Hefiner V: 1544  
 Hefinson EY: 403  
 Hefinson R: 74, 3935  
 Heflac E: 1710  
 Heflaris AE: 1048, 1487  
 Heflász B: 3387, 4303  
 Heflász N: 1545  
 Heflaw B: 1546  
 Heflberg F: 3792  
 Hefles CN: 1547  
 Hefles IB: 783  
 Heflfer C: 1548  
 Hefll AK: 1549  
 Hefll CE: 1550  
 Hefll IA: 4075  
 Hefll JA: 3628  
 Hefll JG: 1753-1754  
 Hefll K: 3156  
 Hefll MM: 1551  
 Hefll O: 1550  
 Hefll PF: 2881  
 Hefll RC: 1552-1553  
 Hefll TC: 4352-4353  
 Hefll WC: 1554  
 Hefllberg O: 1365  
 Hefll EW: 1555  
 Hefll JO: 1556  
 Hefllman H: 553, 1919  
 Hefllman KO: 4346  
 Heflloran TN: 1361  
 Hefllmi NS: 1557-1558  
 Hefllern FS: 1490, 2280  
 Hefllern LM: 1951  
 Hefllse J: 1559  
 Hefllma H: 1560, 3024  
 Hefllmada N: 1561  
 Hefllmana Y: 2642  
 Hefllmbrick CS: 2064  
 Hefllmberger AW: 1562  
 Hefllmberger JI: 3894  
 Hefllmberger RJ: 2008  
 Hefllmeroff SB: 2264  
 Hefllmet P: 1563  
 Hefllmilton DL: 1228, 1564  
 Hefllmilton JA: 1565  
 Hefllmilton JC: 1024  
 Hefllmilton JW: 2811  
 Hefllmilton LA Jr: 1566  
 Hefllmilton T: 3232  
 Hefllmmar SP: 4346  
 Hefllmmel HT: 3719  
 Hefllmmmer NJ: 2339  
 Hefllmmmond GL: 1567  
 Hefllmmmond JJ: 2077  
 Hefllmmmond JM: 3076  
 Hefllmmmond ML: 2978  
 Hefllmon M: 1568  
 Hefllmpshire J: 1569  
 Hefllmstra AJ: 3613  
 Hefllnanafée WN: 2570  
 Hefllnacke JL: 4383  
 Hefllnacke S: 4172  
 Hefllncock KW: 1153, 4068  
 Hefllncock WS: 1619  
 Hefllnda H: 1570  
 Hefllnda J: 1570  
 Hefllnda M: 1571  
 Hefllndoca A: 3213, 3713  
 Hefllndwerger S: 1393  
 Hefllneda A: 3970  
 Hefllnika J: 4454  
 Hefllnkeová A: 1572  
 Hefllnker JS: 625  
 Hefllnkens LL: 1397  
 Hefllnnestad R: 4106  
 Hefllnnegren A: 2950  
 Hefllnnig VL: 2834  
 Hefllnnigan J: 3388  
 Hefllnsell JR: 1610  
 Hefllnsen AC: 4255  
 Hefllnsen AP: 711  
 Hefllnsen GC: 286  
 Hefllnsen HH: 1573, 3597  
 Hefllnsen HS: 1097-1098  
 Hefllnsen HW: 3553  
 Hefllnsen M: 1573  
 Hefllnsen-Leth C: 1574  
 Hefllnsmann M: 3608  
 Hefllnson GA: 2147  
 Hefllnson RW: 1856  
 Hefllnsen KF: 997  
 Hefllnsens M: 1239  
 Hefllnsen HA: 2469  
 Hefllnsen P: 1232  
 Hefllnsen T: 1575  
 Hefllnzlik J: 3877  
 Hefllour F: 3471, 4007  
 Hefllpée de Cuarón C: 823  
 Hefllra I: 2855  
 Hefllra M: 2723  
 Hefllra N: 1693  
 Hefllra Y: 1576  
 Hefllrada A: 2167  
 Hefllram K: 1577  
 Hefllrharbour DA: 1578  
 Hefllrdegree C: 2322  
 Hefllrden TK: 491  
 Hefllrdie RA: 1579  
 Hefllrdin JG: 1580  
 Hefllrdin JW: 725-726, 2593  
 Hefllrding JD: 1581  
 Hefllrdy H: 939  
 Hefllrdy MH: 1582  
 Hefllrell A: 1057, 2907  
 Hefllrkiss GD: 3890  
 Hefllrland DM: 1583  
 Hefllrman J: 513  
 Hefllrman RM: 564  
 Hefllrmon JM: 2979  
 Hefllrms D: 2295  
 Hefllrms PG: 2479  
 Hefllrney JW: 238  
 Hefllrnisch R: 1584  
 Hefllrnois C: 1189  
 Hefllrpaz S: 1210  
 Hefllrper AE: 1585  
 Hefllrper M: 2780  
 Hefllrrigan JT: 1586  
 Hefllrrington AR: 2892  
 Hefllrris AR: 1587  
 Hefllrris DN: 4210  
 Hefllrris H: 2834, 3765  
 Hefllrris L: 2446  
 Hefllrris M: 380  
 Hefllrris MB: 1989  
 Hefllrris P: 1588  
 Hefllrris S: 753  
 Hefllrris WH: 2821  
 Hefllrrison GA: 1589  
 Hefllrrison HE: 1590  
 Hefllrrison LC: 728  
 Hefllrrison RG: 3155  
 Hefllrrison RM: 668  
 Hefllrrisson F: 1591  
 Hefllrtemann P: 2330  
 Hefllrter J: 3792  
 Hefllrtley M: 880  
 Hefllrtmann K: 4216  
 Hefllrtmann N: 4216-4217  
 Hefllrtneck B: 713  
 Hefllrtwich G: 1592-1594  
 Hefllrtwig W: 1988  
 Hefllruki Y: 3623  
 Hefllruyama T: 1962, 4408  
 Hefllrvey JA: 1595  
 Hefllrvey S: 1596  
 Hefllsan AS: 3396  
 Hefllsan M: 1597  
 Hefllse U: 1598  
 Hefllsebe N: 3011  
 Hefllsegawa Y: 2886  
 Hefllshiba N: 2885  
 Hefllshimoto H: 1599  
 Hefllshimoto T: 2808  
 Hefllslam RJ: 19  
 Hefllsanein OR: 1600  
 Hefllsani M: 1601-1603  
 Hefllselbach W: 3306  
 Hefllselmann M: 3575  
 Hefllsser EM: 1684  
 Hefllssinen I: 2071  
 Hefllata F: 2224  
 Hefllata J: 3943, 4426  
 Hefllata T: 3009  
 Hefllatanaka H: 1604  
 Hefllatano H: 4388  
 Hefllatano M: 1732-1733, 1858  
 Hefllatch FE Jr: 1906  
 Hefllatfield JS: 3105  
 Hefllatin Ricardo A: 1605  
 Hefllattab J: 303  
 Hefllattingberg HM: 1899  
 Hefllatzibujas J: 1606  
 Hefllau C: 710  
 Hefllhaughton VM: 1072  
 Hefllhäulicä I: 1607  
 Hefllhauschka PV: 2375  
 Hefllhauser DE: 3484  
 Hefllhauser G: 1067  
 Hefllhäusler A: 1608  
 Hefllhausmann D: 3378  
 Hefllhaussler MR: 1609, 3186  
 Hefllhaven GT: 1610  
 Hefllhaven MC: 1610  
 Hefllhavers W: 92  
 Hefllhawkins EP: 1328  
 Hefllhawthorne EW: 1611  
 Hefllhay AW: 1612  
 Hefllhay FC: 4020  
 Hefllhayasaka H: 1053  
 Hefllhayasaka S: 1613  
 Hefllhayashi H: 1686  
 Hefllhayashi M: 4391  
 Hefllhayashi S: 1614, 3532  
 Hefllhayashida T: 2499  
 Hefllhaybittle JL: 2659  
 Hefllhayes HM Jr: 1615  
 Hefllhayes N: 478  
 Hefllhayes PJ: 1080  
 Hefllhaymovits A: 3562  
 Hefllhaynes BF: 1616  
 Hefllhaynes NB: 3324  
 Hefllhaynie TP: 1617  
 Hefllhays JE: 4346  
 Hefllhayton WL: 1477  
 Hefllhead RJ: 334  
 Hefllheadon DR: 1618  
 Hefllhearn MT: 1619  
 Hefllhearse DJ: 1620-1621  
 Hefllheath H 3d: 1622  
 Hefllheatley FW: 4114  
 Hefllheaton JH: 3836  
 Hefllhebdon M: 1623  
 Hefllheber D: 1624  
 Hefllheber U: 4209  
 Hefllheberer G: 3834  
 Hefllhecker AL: 144  
 Hefllheckman MG: 2736  
 Hefllhede KE: 1923  
 Hefllhedlin AM: 1625  
 Hefllhedner T: 1626  
 Hefllheel RC: 1627  
 Hefllheenen M: 1628  
 Hefllheerfordt J: 3795  
 Hefllheesch CM: 1706  
 Hefllhegarty PV: 1629  
 Hefllhegde UC: 1630  
 Hefllhehrmann R: 1250  
 Hefllheidemann P: 2235  
 Hefllheidger PM Jr: 668  
 Hefllheidl G: 1258  
 Hefllheikinheimo M: 2573  
 Hefllheikius B: 2454  
 Hefllheilbrun LK: 276  
 Hefllheim M: 775  
 Hefllheimann P: 1, 1631-1633  
 Hefllheimberg M: 3807  
 Hefllheimer L: 939  
 Hefllheindel JJ: 1634  
 Hefllheine MW: 2457  
 Hefllheiseke D: 1635  
 Hefllheiskanen O: 1636

# AUTHOR INDEX

- Helfman DM: 2225  
 Helke CJ: 1637  
 Hellman S: 1638  
 Hellstrom HR: 2259  
 Helmke K: 1639  
 Heltianu C: 773, 2912  
 Helwig H: 420  
 Hemken RW: 772, 938  
 Hemsell DL: 38  
 Hendel RC: 1640  
 Henderson A: 393  
 Henderson GI: 1641  
 Henderson IW: 1642  
 Henderson KJ: 1643  
 Hendricks SE: 2333  
 Heni N: 1489  
 Henin D: 589  
 Hennemann G: 4203  
 Hennen G: 901  
 Henney CS: 4461  
 Henney JE: 886  
 Henning M: 1645  
 Henning SJ: 264  
 Henriët MT: 441  
 Henriksson P: 1728  
 Henriques de Jesus C: 4154-4155  
 Henry GP: 1646  
 Henry JL: 1647, 4082  
 Henry JP: 1085  
 Henry-Amar M: 3506  
 Hensel K: 4207  
 Hepa J: 1444  
 Herbert DC: 1648, 2499, 4261  
 Herbert E: 3368  
 Herbert J: 1649  
 Herbschleb JN: 1473  
 Herbst: 4187  
 Herchuelz A: 2557  
 Héritier P: 1650  
 Herkner K: 1651  
 Herman AG: 545, 2256  
 Herman CA: 4457  
 Herman MW: 1461  
 Hermanus A: 4058  
 Hermle M: 3202  
 Herno L: 1652  
 Hernaes L: 4064  
 Hernández EG: 998  
 Hernández I: 3453  
 Hernandez RE: 1300  
 Hernández Ayup S: 1653-1654, 1805  
 Herr BE: 2820  
 Herr H: 1456  
 Herrera NE: 4128  
 Herrera R: 1655  
 Herrera-Justiniano E: 1656  
 Herrera Pombo JL: 1175  
 Herreras JM: 1657  
 Herrero Diez A: 1415  
 Herrling PL: 2598  
 Herrmann J: 1658  
 Herrmann T: 885  
 Herschman HR: 1420  
 Hershko C: 1073  
 Hershman JM: 2354, 3413-3414, 3538  
 Herva R: 3746  
 Hervet E: 306  
 Hery M: 2153-2154  
 Herz A: 1267, 3247  
 Herzmann J: 1751-1752  
 Hesketh JE: 1659  
 Hespe W: 4140  
 Hess B: 1528  
 Hess GP: 3448  
 Hesse B: 1660  
 Hessler D: 1650  
 Heston WD: 1835  
 Heuberger B: 1040  
 Heuson JC: 2319, 2406  
 Hewitt DS: 544  
 Hews EA: 2067  
 Heybach JP: 1661  
 Heyes J: 2074  
 Heymann MA: 335, 741, 3702  
 Heymsfield SB: 3449  
 Heyns W: 1662  
 Heyse-Moore GH: 1663  
 Heywood L: 782  
 Hibi K: 1838  
 Hickl EJ: 3588  
 Hickler RB: 1664  
 Hicks JJ: 924  
 Hickson RC: 4342  
 Hiemstra K: 4013  
 Hierro JH: 1665  
 Higa K: 3524  
 Higashino K: 1666  
 Higgins CB: 1667  
 Higgins SJ: 1668-1669  
 Higginson RE: 1056  
 Higgs EA: 1670-1671  
 Higgs GA: 1672  
 Hignite CE: 1776  
 Higuchi K: 2808  
 Higurashi M: 1809, 1811  
 Hikita T: 2763  
 Hilaire G: 2784  
 Hilf R: 1673, 3791  
 Hill JM: 1311  
 Hill LF: 1674  
 Hill R: 1675  
 Hill RN: 1676  
 Hill RT: 1677  
 Hill TJ: 1578  
 Hillhouse EW: 1916  
 Hillman K: 1678  
 Hillyard CJ: 782, 1082  
 Hilscher B: 1679  
 Hilscher W: 1679  
 Himmelstein-Braw R: 1680  
 Himes JH: 1681  
 Himmelstein S: 1682  
 Himori T: 3486  
 Himsworth RL: 575, 1683  
 Hinds TR: 2286  
 Hinshaw LB: 1684  
 Hiraga K: 1437, 2020  
 Hirahashi T: 3524  
 Hirai H: 1685-1686  
 Hirakawa K: 1744  
 Hiraki Y: 1698  
 Hiramatsu K: 2771  
 Hirano H: 2882  
 Hirano M: 1851, 1858, 2876  
 Hirao J: 1687  
 Hirasawa Y: 1688  
 Hirata Y: 4424  
 Hirayama M: 1809  
 Hirayama T: 2206  
 Hiroi M: 2014  
 Hirooka M: 1689  
 Hirooka Y: 1690, 2752  
 Hirotsawa K: 1691  
 Hirose H: 1692  
 Hirose T: 1693  
 Hiroshige T: 1269, 1694  
 Hirota Y: 1695  
 Hirsch A: 104, 3439  
 Hirsch MJ: 1696  
 Hirsch PJ: 2074  
 Hirschmann N: 2955  
 Hirsh J: 2041  
 Hirshman HP: 3601  
 Hirvonen J: 1697  
 Hirvonen S: 602  
 Hisada K: 1698, 2136-2137  
 Hissa R: 1716  
 Hissin PJ: 1673  
 Hitch M: 1699  
 Hitzemann RJ: 1700  
 Hitzeroth HW: 3403  
 Hiwada K: 1701  
 Hixon B: 2709  
 Hizi A: 1393  
 Hlauco S: 1702  
 Hníková O: 1703  
 Hnilica LS: 2679  
 Ho KC: 1072  
 Hobson B: 4321  
 Hochstein P: 1872  
 Hodges VA: 4127  
 Hodgins DS: 1704  
 Hodgson AJ: 1705  
 Hodgson BJ: 1706  
 Hoedemaeker PJ: 4139  
 Hoefel JC: 3157  
 Hofbauer KG: 1707  
 Hofer E: 2273  
 Hofer MA: 3738  
 Hoffer BJ: 1349, 3098  
 Hoffer PB: 3299  
 Hoffman JF: 4413  
 Hoffman LH: 1708  
 Hoffman WE: 1139, 1709, 1903  
 Hoffman WH: 1710  
 Hoffman-Liebermann B: 1711  
 Hoffmann K: 1712-1713  
 Hoffmann WE: 520  
 Hofman LF: 1714  
 Hogan M: 876  
 Högberg B: 1519  
 Hoge AF: 3151  
 Hoky L: 2561  
 Hohenfellner R: 1873  
 Hohlerová R: 1715  
 Höhn KG: 4383  
 Hohtola E: 1716  
 Høisaeter PA: 1717  
 Højager B: 1718  
 Hojovec J: 2202  
 Hökfelt T: 1545, 1719-1720, 3599  
 Holben JA: 2786  
 Holcslaw TL: 1721  
 Holick MF: 1722  
 Holland JF: 525  
 Holland JM: 1974  
 Holland OB: 1723  
 Hollander CF: 1724  
 Hollander CS: 595, 1690  
 Holle R: 1725  
 Hollenberg NK: 452  
 Holley KE: 999, 4471  
 Hollister DW: 1726, 1754  
 Holloman TL: 1727  
 Höllt V: 3247  
 Hollyfield JG: 833  
 Holm E: 1107  
 Holmberg L: 1728  
 Holmes WN: 1729, 3135  
 Holmlund D: 3752  
 Holstege G: 1742  
 Holt PJ: 1730  
 Holubar K: 3142  
 Holyoke ED: 2443  
 Hommes OR: 1731  
 Homo F: 1047  
 Hon C: 693  
 Honda M: 1732-1733, 1858  
 Honma K: 1694  
 Honma Y: 1734-1736  
 Honoré LH: 1737  
 Honour JW: 1738  
 Hontela A: 3161  
 Hook JB: 3915  
 Hook SL: 3335  
 Hooker AM: 204  
 Hooper AC: 1739  
 Hooper RG: 1740  
 Hoover DB: 1741  
 Hope J: 2456  
 Hopkins CR: 256  
 Hopkins DA: 1742  
 Hopkinson DA: 3765  
 Hör G: 2281  
 Horan JD: 1743  
 Hörhold C: 151-152, 2352  
 Hori T: 1744, 1964  
 Horita A: 1951  
 Horiuchi N: 2635  
 Hörmann H: 3878  
 Hormia M: 1745  
 Horn AS: 1746  
 Horn C: 1566  
 Horn L: 509  
 Hornák M: 1747  
 Horne CH: 1748  
 Horning EC: 3172  
 Hornych A: 1749-1750  
 Horowitz SG: 4019  
 Horrobin DF: 1984, 2580  
 Horský J: 1751-1752  
 Horsman A: 2974  
 Horst I: 2173  
 Horst RL: 1924  
 Hortelano P: 3502  
 Horton J: 1542  
 Horton RW: 3264  
 Horton WA: 1753-1754  
 Horwitz JP: 1755  
 Horwitz RI: 1756



# AUTHOR INDEX

Höser N: 1757  
Hoshiai H: 3970  
Hoshida S: 2086  
Hoskins DD: 1758  
Hosoi K: 1759  
Hosokawa S: 2019  
Hosokawa Y: 1760, 2132  
Hosoki H: 1761  
Hosono O: 1837  
Hosoya N: 2965, 4094  
Hossack JA: 4033  
Hostýn L: 4165  
Hotz J: 1762  
Hou-Jensen K: 3597  
House SM: 1763  
Houslay MD: 980, 1764  
Hove K: 1765  
Howard KA: 637  
Howell SL: 1766  
Howie PW: 3070  
Hozumi M: 1734-1736  
Hradec E: 511  
Hradec J: 1767  
Hršák I: 3129  
Hruška K: 2905  
Hsi B: 3792  
Hsia JC: 1768  
Hsiao J: 1618  
Hsu HH: 1769  
Hsu HK: 1770  
Hsu ML: 861  
Hsu WC: 41  
Hsueh AJ: 726, 1771  
Huang CH: 2637  
Huang HH: 2680  
Huang K: 1772  
Huang LC: 2637  
Hubbard SM: 1773, 4433  
Huber A: 1774  
Huckins C: 1775  
Hucklebridge FH: 319  
Hudson AM: 195  
Hudson B: 1056  
Huet M: 466  
Huether RJ: 3121  
Huey L: 1877-1879  
Huff KK: 61  
Huffman DH: 1776  
Hughes AO: 590  
Hughes C: 2130  
Hughes MR: 1609  
Hughes R: 671  
Hughes RA: 1777  
Hughes RC: 224  
Hugo JM: 1778  
Huhtaniemi I: 1779  
Huidobro-Toro JP: 1780  
Hulbert AJ: 1781  
Hull MG: 1782  
Hulme B: 3088  
Hülshoff T: 3638  
Hulsinga E: 4142  
Hulter HN: 1783  
Hultin HO: 3197  
Humeau C: 4184  
Hummel L: 4467, 4470  
Humphrey H: 496  
Humphrey PP: 1784  
Humphrey RR: 1785  
Humphrey SM: 1620-1621  
Humphreys DJ: 254  
Hundeiker M: 2824  
Hunsperger RW: 2405  
Hunt NH: 2606  
Hunter AA: 1579  
Hunter SA: 563  
Hunziker W: 2794  
Huo A: 1755  
Hurley T: 1393  
Hurtado Ruano T: 1415  
Hurwitz L: 1786  
Husag L: 1787  
Hussa RO: 301  
Hussey CV: 4259  
Husson A: 1788  
Hustu HO: 3720  
Hutchins GM: 4341  
Hutchinson JS: 1315  
Hutchinson MJ: 65  
Hutchison GB: 1789

Hutton JC: 2557  
Huttunen P: 1697  
Hwang EC: 3195  
Hyman AL: 669, 1934  
Hymer WC: 3796  
Hyne RV: 1790  
Hynes N: 1031  
Hynie S: 1791  
Hyttel J: 1792

## I

Iacobelli S: 1793  
Iakimets VP: 1797  
Iakimova TP: 2418  
Iakovlev AA: 3766  
Iakovleva GE: 2698  
Iakovleva ND: 1794  
Iakovtsova AF: 1186  
Ianăş O: 857  
Iankelevich DE: 2899  
Iannitelli M: 3310  
Ilanovskii GV: 1795  
Iarilin AA: 1796  
Iashchenko BP: 1797  
Iavorskii AN: 1798-1799  
Ibáñez AC: 2874  
Ibáñez D: 2688  
Ibayashi H: 4266  
Ibel'son LI: 1800  
Ibuka K: 2886  
Ibuka N: 2017  
Ichida S: 2224  
Ichii S: 1801  
Ichikawa A: 1802  
Ichikawa T: 2536  
Ichikawa Y: 1803  
Ichimiya M: 4422  
Ichiya Y: 1804  
Ichianagi K: 2136  
Ideo G: 3904  
Iduñate y Carlos D: 1805  
Ieiri T: 1985, 3681, 3940  
Iela L: 2739  
Iester A: 789  
Igei I: 1686  
Ignat'ev AS: 1806-1807  
Ihle R: 1808  
Iijima K: 1809  
Iijima S: 1944  
Iimori M: 2719  
Iimura O: 1810  
Iino S: 2138  
Iinuma K: 1811  
Iioka S: 2880  
Iivanainen M: 1812  
Ikeda I: 2759  
Ikeda T: 1693  
Ikeda Y: 2945  
Ikegwuonu FI: 1813  
Ikekubo K: 1814-1815  
Ikeno T: 1816  
Ikezono E: 4271  
Ikuta Y: 1817  
Il'in VN: 1818, 4166  
Il'inskii IuA: 1819  
Illig L: 1820  
Ilstrup DM: 999  
Imaeda T: 3635  
Imagawa WT: 1244  
Imai K: 4400  
Imai S: 1821  
Imai Y: 2752, 4408  
Imamura H: 3013  
Imanishi Y: 3623  
Imazeki K: 1822  
Imbabi SE: 1510  
Imbert-Teboul M: 646  
Imbs JL: 1823  
Imhoff L: 1721  
Imler M: 3575  
Immer H: 1824  
Imshinetskaia LP: 1825  
Imura H: 1826-1827  
Inaba K: 1828  
Inada M: 1829  
Inagami T: 4415  
Inazawa M: 3073  
Ince A: 3636

Inelmen EM: 228  
Inesi G: 1830  
Ingbar SH: 4247  
Ingemansson S: 1107  
Ingram CG: 2386  
Innocenti P: 1442  
Inostroza E: 1320  
Inoue K: 3974  
Inoue N: 4417  
Inoue R: 1947  
Inoue S: 1044, 1831  
Inoue T: 1832  
Inouse K: 2138  
Inskeep EK: 1220, 2852  
Inui KI: 2957  
Inui S: 2897  
Ioannesyants IA: 1833  
Ioffe IuK: 3392  
Iozzo RV: 3850  
Ird EA: 632  
Irie M: 3974  
Irokawa N: 4408  
Irwin LN: 1834  
Isaacs AJ: 2351  
Isaacs JT: 1835  
Isaacson RL: 759  
Isaev SI: 1836  
Isager K: 3597  
Isaković K: 1876  
Isbister J: 496  
Ishida M: 2086  
Ishida T: 1837  
Ishiguro J: 4422  
Ishihara H: 3977  
Ishihara K: 4122  
Ishihara Y: 2091-2092  
Ishii D: 1838  
Ishii DN: 1839  
Ishii H: 1840  
Ishijima B: 1744  
Ishikawa H: 3675  
Ishikawa S: 1841  
Ishikawa T: 1842-1843, 4425  
Ishimori A: 1844  
Ishise S: 1845  
Ishita K: 3977  
Isidori A: 3093  
Ising H: 2472  
Island DP: 2513  
Isles TE: 230  
Isohashi F: 1846  
Israel N: 1847  
Isselbacher KJ: 2957  
Istomin NP: 4119  
Itagaki E: 3530, 3928, 3978  
Itakura M: 1848  
Itatani H: 3032  
Ito K: 1849-1850  
Ito M: 2876, 4391  
Ito S: 4392  
Ito T: 2878, 4408  
Itoh M: 1851  
Itzhaki S: 1852  
Iurasova OI: 1853  
Ivanitskii VA: 2242  
Ivanov NA: 1854  
Ivanov VI: 1855  
Ivanova LA: 148  
Ivanova LN: 3806  
Ivemmark B: 2950  
Iversen LL: 3268  
Ivey JL: 3999  
Ivković T: 2170  
Ivleva VI: 1407  
Iwai H: 3492  
Iwańska J: 222  
Iwasaki Y: 1560, 2086, 4391  
Iwata M: 3926  
Iynedjian PB: 1856  
Izaković V: 2923  
Izmailov GI: 1857  
Izumi N: 1687  
Izumi Y: 1732-1733, 1858

## J

Jackenkroll R: 969  
Jackett PS: 1859  
Jacks F: 1436

# AUTHOR INDEX

Jackson AG: 2263  
 Jackson AS: 1860  
 Jackson JT: 89  
 Jackson MA: 560  
 Jacob ET: 3059  
 Jacobi GH: 1861-1862  
 Jacobowitz DM: 817-818, 1741  
 Jacobs BL: 4076  
 Jacobs D: 4239  
 Jacobs-Lorena M: 3846  
 Jacobsen P: 3825  
 Jacobson B: 1863  
 Jacobson ME: 917  
 Jacobson S: 2413  
 Jacobsson L: 1091  
 Jacobwitz DM: 2998  
 Jacoby JH: 1864  
 Jacquemin C: 653  
 Jacquet AM: 220  
 Jacquet YF: 3491  
 Jaquetin B: 2523  
 Jadat R: 1894, 1992  
 Jadot JP: 1865  
 Jaeger P: 528  
 Jaffe EA: 2590  
 Jaffe RB: 1866  
 Jaffiol C: 1867  
 Jäger M: 1868  
 Jaggi M: 3357  
 Jaggi W: 1869  
 Jagla J: 1929  
 Jahodová J: 3586  
 Jaimovich CB: 1870  
 Jaimovich L: 1870  
 Jain SK: 1871-1872  
 Jakiel C: 2960  
 Jaklová J: 1715  
 Jakobsen PE: 647  
 Jakse G: 1873  
 Jalanko H: 2573  
 Jallageas M: 147  
 Jame F: 1266  
 James HE: 1874  
 James R: 782  
 James TN: 1540  
 James VH: 1427  
 Janás O: 858  
 Jančářík A: 1875  
 Jandali MK: 3045  
 Janeková D: 1147  
 Janković BD: 1876  
 Janni A: 617  
 Janowiec M: 3539-3540  
 Janowsky D: 1877  
 Janowsky DS: 1878-1879  
 Jansen CJ: 3889  
 Jansen V: 2359  
 Janson PO: 856, 4297  
 Janssen PA: 768  
 Jansson L: 1728  
 Janukowicz-Lorenz H: 364  
 Januszawicz E: 3659  
 Januszewicz W: 1880  
 Januszko T: 1881  
 Janz D: 1882  
 Jaramillo D: 1883  
 Jarboe GE: 2040  
 Jaroszewicz L: 1884  
 Jaszczak S: 788  
 Jaszmann LJ: 1885  
 Jaton A: 3914  
 Jaunakais I: 3518  
 Javadvpour N: 1886-1888  
 Javey H: 1889  
 Jaw R: 3286  
 Jawadi MH: 1890  
 Jaworski CJ: 90  
 Jay FT: 1257  
 Jaya Rao KS: 1891  
 Jayle M: 1536  
 Jayle MF: 4118  
 Jazowiecka E: 1980  
 Jeanguyot N: 4027  
 Jeannin JF: 1892  
 Jeckel D: 3571  
 Jefcoate CR: 812  
 Jeffcoate WJ: 3318  
 Jeffcott LB: 236  
 Jeffrey D: 3867  
 Jeffrey LP: 2997

Jeffs RD: 3272  
 Jegou S: 1893  
 Jehanno C: 1894, 1992  
 Jellinger K: 3356  
 Jelonek A: 2592  
 Jeng AY: 3653  
 Jenkins ME: 2813  
 Jenkins N: 1895  
 Jenkins WJ: 3164  
 Jenner P: 1896  
 Jennings RC: 3149  
 Jenny M: 527  
 Jensen AF: 3165  
 Jensen M: 3795  
 Jensen NK: 3597  
 Jensen P: 3300  
 Jensen RT: 1897  
 Jensen TS: 3597  
 Jepsen P: 478  
 Jequier E: 528  
 Jessell TM: 1898  
 Jessen C: 3719  
 Jesserer H: 1899  
 Jewelewicz R: 1164  
 Ježová J: 1900  
 Jimarkon P: 673  
 Jirásek A: 1926  
 Jirge S: 2389  
 Job JC: 678, 1352  
 Jobard JP: 220  
 Joffe BI: 1019  
 Joffe L: 1901  
 Johannessen KH: 1577  
 Johansen JH: 4078  
 Johansen P: 710  
 Johansson BW: 1902  
 Johansson ED: 171, 3019  
 Johansson F: 69  
 Johansson G: 3478  
 Johansson H: 1474  
 John P: 2035  
 Johnson AK: 1207, 1903  
 Johnson CT: 1904  
 Johnson DE: 1617  
 Johnson GL: 1905  
 Johnson HL: 1219  
 Johnson JD: 1743  
 Johnson JG: 1906  
 Johnson JH: 2655  
 Johnson KM: 1907  
 Johnson L: 1908  
 Johnson LK: 4460  
 Johnson LR: 3507  
 Johnson M: 1590  
 Johnson MC: 1740  
 Johnson MK: 52  
 Johnson MR: 1228, 1564  
 Johnson P: 3119  
 Johnson RA: 1909  
 Johnson RE: 3108  
 Johnson RG: 1910  
 Johnson RL: 2978  
 Johnson RN: 1911  
 Johnston CI: 892  
 Johnston RN: 2386  
 Johnston WH: 1922  
 Johnstone EC: 815  
 Joksimović I: 211  
 Jolicoeur FB: 3398  
 Joly JG: 1840  
 Joly T: 4168  
 Jonáš P: 1464  
 Jonat W: 1912  
 Jonathan A: 3629  
 Jones B: 1913  
 Jones BD: 705  
 Jones CS: 1914  
 Jones DC: 1785  
 Jones DJ: 3095, 3097  
 Jones DL: 1915  
 Jones EC: 1436  
 Jones EW: 1312  
 Jones GW: 2263  
 Jones MT: 1916  
 Jones NF: 3864  
 Jones PE: 3164  
 Jones RF: 2501  
 Jones RS: 1917  
 Jones SJ: 472  
 Jones W: 4365

Jongkees LB: 1918  
 Jonsson G: 1292, 1919  
 Jontell M: 1101  
 Jordaán HV: 2220  
 Jordan D: 3429  
 Jordan LM: 1920, 2605  
 Jordan N: 2440  
 Jordan RM: 1921, 2491  
 Jordan SC: 1922  
 Jørgensen CB: 1923  
 Jørgensen NA: 1924  
 Jørgensen PI: 4172  
 Jose PJ: 1100  
 Joseph-Bravo P: 2448  
 Joshi KD: 1976  
 Joshi S: 4457  
 Joshi UM: 1925  
 Joswig-Priewe H: 3821  
 Jovanović M: 3729  
 Jovanović T: 3755  
 Joyce JA: 1034  
 Joyce MJ: 1093  
 Juan SI: 1690  
 Juchau MR: 3052  
 Judah DJ: 2906  
 Judd L: 1877, 1879  
 Judd LL: 1878  
 Judd RM: 3952  
 Judd WJ: 2340  
 Julien JP: 3590  
 Julišová I: 1926  
 Julius S: 1927, 2072  
 Jullienne A: 2729  
 Jung A: 1928  
 Jung D: 1929  
 Jungmann RA: 2182  
 Junod B: 1930  
 Junod JP: 527  
 Junor BJ: 3785  
 Juntunen J: 1812  
 Juraniec J: 2898  
 Jurczykowski TW: 3256  
 Jusko WJ: 1931  
 Juttman JR: 1932  
 Juvenal GJ: 2097

## K

Kaback HR: 1479  
 Kaback MM: 2726  
 Kabakow B: 525  
 Kabatsii NP: 3394  
 Kabouche M: 4124  
 Kacew S: 1933  
 Kaczmarek M: 3857  
 Kadagidze ZG: 1833  
 Kadlecová O: 2620  
 Kadowitz PJ: 669, 1934  
 Kagan AR: 981  
 Kaganov SI: 1935  
 Kagawa K: 1936  
 Kågedal B: 1937  
 Kageyama N: 1938  
 Kagotani K: 2619  
 Kahl GF: 1899  
 Kahn AJ: 1939  
 Kahn G: 1940  
 Kaidbey KH: 2106  
 Kaiser ET: 132  
 Kaiser H: 1899, 1941-1942  
 Kaiser JA: 2597  
 Kajanoja P: 1943  
 Kajihara A: 3976  
 Kajihara H: 1944  
 Kajii T: 1945  
 Kajiwara K: 2822  
 Kajiwara T: 4095  
 Kajiyama G: 3601  
 Kakhana R: 1946  
 Kakimoto Y: 1947  
 Kakiuchi S: 4396  
 Kaku K: 3688  
 Kalbitzer S: 3421  
 Káldi N: 1948  
 Káldor A: 1297  
 Kaledin VI: 1949  
 Kalinin AP: 1950  
 Kalivas PW: 1951  
 Kalland T: 1009



# AUTHOR INDEX

- Kallee E: 1952  
Kallner A: 387  
Kallner G: 2421  
Kalra PS: 15, 1953-1954, 4089  
Kalra SP: 1953-1954  
Kamada T: 3533  
Kamataki T: 2089  
Kamble A: 4144  
Kameyama T: 1955  
Kamii H: 3983  
Kamino Hirokawa H: 35  
Kamiński K: 1029  
Kamio S: 2120, 2801, 3990  
Kamisaki T: 2011-2012  
Kamiya T: 4422  
Kampmann H: 1956  
Kampmann JP: 1776  
Kamyab SD: 1957  
Kan G: 4142  
Kanadys W: 1958  
Kanatsuka A: 1959  
Kanbegawa A: 1732  
Kanda K: 1960, 2722, 2762, 4234  
Kandee FR: 1961  
Kandelaki LA: 4163  
Kandzari SJ: 296  
Kameda H: 1962  
Kanehisa T: 2011-2012  
Kaneke H: 4388  
Kaneke K: 1963, 4392  
Kaneke M: 1694, 2587  
Kaneke T: 1964  
Kanezuka H: 1965  
Kang ES: 1966  
Kaniewski M: 1434, 2901  
Kanis JA: 1967  
Kaniuka VK: 4442  
Kannel WB: 1968  
Kanner BI: 3593  
Kano T: 1969  
Kanowski S: 2840  
Kanter WR: 1970  
Kanzaki Y: 2756  
Kao GF: 1971  
Kapadia S: 4451  
Kapankina LP: 128  
Kapitola J: 1972  
Kaplan E: 1973, 3666  
Kaplan HS: 3410  
Kaplan MM: 3708  
Kaplan SA: 2327  
Kaplan SE: 936  
Kaplan SL: 207  
Kaplan SS: 1974  
Kapoor CP: 1975  
Kapur MM: 1976, 3737, 4174  
Karaban' IN: 2579  
Karag'ozov A: 3107  
Karag'ozov I: 3107  
Karahoda N: 3755  
Karakhanian E: 1977  
Karakousis CP: 2443  
Karam K: 1978  
Karanfilski B: 3721  
Karat AB: 1979  
Karavolas HJ: 2189  
Karcher D: 2455  
Karczewski WA: 1980  
Kardachi BJ: 1981  
Kardash'ian GK: 1982  
Karim MM: 1983  
Karim SM: 3750  
Karlberg BE: 2953  
Karle A: 1574  
Karlmar KE: 387  
Karmali RA: 1984, 2580  
Karmazyn M: 1984, 2580  
Karmeli F: 3275  
Karnstedt U: 1455  
Karonen SL: 2400, 3145  
Karow WG: 3329  
Karpisiewicz A: 3707  
Karstens JH: 81  
Kartavova NS: 3501  
Karush F: 3742  
Karzel K: 1899  
Kasagi K: 1815  
Kasai K: 1985, 3681, 3940  
Kasatkina LV: 1986  
Kashgarian M: 401  
Kashiki K: 2042  
Kaskarelis D: 2433-2434  
Kaslow HR: 1905  
Kaspa RT: 1987  
Kasperlik-Zaluska A: 1988  
Kasprisin DO: 1989  
Kasprzak H: 1958  
Kass RS: 4090  
Kassis V: 1990  
Kassner EG: 1556  
Kasson B: 2857  
Kaste M: 1812  
Kastin AJ: 800-801, 3049  
Kastrubin EM: 2160  
Kasukabe T: 1734-1736  
Kasuya Y: 1991, 3971  
Kaswin D: 1894, 1992  
Kaswin R: 1894  
Kaszuba A: 3461  
Katagiri M: 3530, 3928, 3978  
Katagiri T: 4049  
Katahira K: 1993  
Katakai S: 3073  
Katakar SB: 1994  
Kataoka Y: 1410  
Katayama K: 1964  
Kate SL: 3174  
Katkov IuA: 1995  
Kato E: 3522  
Kato H: 1996-1998  
Kato J: 7, 1270, 1999  
Kato K: 2402  
Kato T: 3635  
Kato Y: 2000  
Katoh F: 1858  
Katsulov A: 2001  
Katunuma N: 2121  
Katz AD: 2002  
Katz AI: 2390  
Katz AM: 2003, 2449  
Katz FH: 1890, 2388  
Katz M: 750, 4121  
Katz P: 2004  
Katz R: 2049  
Katz RJ: 4103  
Katz S: 2005, 3331  
Katz-Bergman Y: 1372  
Katzberg RW: 3832  
Katzenellenbogen JA: 2006  
Katzenstein AL: 3154  
Katzman R: 4019  
Kaufman AY: 3829  
Kaufman H: 2274, 2336  
Kaufman HE: 2007  
Kaufman JS: 2008  
Kaufman RH: 3228  
Kaufman-Friedman K: 2009  
Kauschansky A: 2010  
Kawa A: 2011-2012  
Kawabata T: 2878  
Kawada J: 2013  
Kawagoe S: 2014  
Kawaguchi N: 3038  
Kawai T: 1837  
Kawai Y: 3017  
Kawakami M: 2015-2016  
Kawamoto M: 2808  
Kawamura H: 2017-2018  
Kawamura J: 2019  
Kawamura S: 2875  
Kawana M: 1822  
Kawano S: 2020  
Kawao A: 1275  
Kawasaki T: 3524  
Kawashima K: 2021, 4422  
Kawazu S: 2022, 2557  
Kay B: 112  
Kay BG: 2023  
Kay C: 4249  
Kay HR: 2024  
Kay JE: 3179  
Kay RN: 2025  
Kayamori R: 4392  
Kazakov VN: 2026  
Kazanskaia LV: 2027  
Kazarian EL: 2028  
Kazdan MS: 2747  
Kazimierzczak A: 720  
Keane CT: 3339  
Keane FB: 2029  
Keane JT: 2562  
Keane PM: 4199  
Keating MJ: 1249  
Keating WJ: 2064  
Kebabian JW: 2030-2031  
Keene CH: 2032  
Keesey RE: 2033  
Kehrer G: 523  
Keightley DD: 2034  
Keil LC: 666  
Keirse MJ: 2751  
Kell DB: 2035  
Kellar KJ: 4175  
Keller E: 539  
Keller H: 1065  
Keller HH: 872, 2036  
Keller PJ: 2037  
Keller U: 2038  
Kellerová E: 2923  
Kelley AB: 1526  
Kelley VC: 3519  
Kellogg J: 3063  
Kelly A: 3070  
Kelly DB: 871  
Kelly GD: 4435  
Kelly PA: 2039  
Kelly WG: 425  
Kelman BJ: 2040  
Kelton JG: 2041  
Kem DC: 2559  
Kemmtsu O: 2042  
Kemper B: 3897  
Kempf E: 2043  
Kendall JW: 1921  
Kendle KE: 2044  
Kendrick NC: 392  
Kenessey A: 1446  
Kennard C: 3320  
Kennedy AL: 2045  
Kennedy BJ: 2046, 2059  
Kennedy LE: 4016  
Kenner A: 3252  
Kenny AD: 201-202  
Kenny D: 3320  
Kenny M: 2047  
Kenshalo DR Jr: 1920  
Kent D: 4175  
Kent SW: 2048  
Kenward B: 4378  
Keogh EJ: 293  
Keohane M: 753  
Kerdellhué B: 436  
Kern CW: 3553  
Kernes SM: 890  
Kerrick WG: 3917  
Kershner H: 2049  
Kerwar SS: 2969  
Kesler DJ: 1417  
Ketkar M: 1457  
Kettler R: 3511  
Kewenter J: 2469  
Kewitz H: 1899  
Keye WR Jr: 1866  
Keys J: 2050  
Khadzhiiev A: 2051  
Khairallah PA: 1551  
Khalikov TKH: 979  
Khan AU: 4471  
Khan SA: 2052  
Khandekar JD: 3664  
Khanna P: 983  
Kharag GI: 2899  
Kharchenko VP: 3153  
Khazan N: 4066  
Khazine F: 269  
Khedkar VA: 3174  
Kheifets SN: 2053  
Kho BT: 1911  
Khodak AA: 3881  
Khodasevich LS: 4088  
Khomullo GV: 2054  
Khoo JC: 2055  
Khoo SK: 1675  
Khosla MC: 547, 1551  
Khouri S: 2234  
Kiandarian GG: 2056-2057  
Kiang DT: 2058-2059  
Kido A: 3968  
Kido K: 1614  
Kidwell WR: 2776

# AUTHOR INDEX

- Kielczyński W: 2060  
 Kiely WF: 2061  
 Kiger JA Jr: 4096  
 Kiguchi T: 2123  
 Kihara I: 2062  
 Kijewski PK: 2063  
 Kikuchi K: 1810  
 Kikuchi T: 1985, 3681  
 Kikuoka MK: 1686  
 Kildeberg P: 4255  
 Kim C: 4144-4145  
 Kim JS: 1851, 2876  
 Kim MB: 1562  
 Kim MH: 2064  
 Kim SS: 3684  
 Kim SU: 3193  
 Kim SW: 4458-4459  
 Kim UH: 2822  
 Kim US: 3494  
 Kim YS: 2065  
 Kimberg DV: 3692  
 Kimbrough TD: 4280  
 Kime DE: 2066-2067  
 Kimura E: 3489  
 Kimura H: 2138  
 Kimura I: 2763  
 Kimura N: 2068, 2867  
 Kimura T: 2633  
 Kindahl H: 1063  
 King AS: 5  
 King K Jr: 2069  
 King ME: 3165  
 King RJ: 2074, 4411  
 Kinne R: 2070, 2853, 4112  
 Kinnula VL: 2071  
 Kinoshita M: 3490  
 Kinsman RA: 3864  
 Kinuthia DM: 1476  
 Kioes C: 2239  
 Kiowski W: 2072  
 Kipen H: 3724  
 Kirchberger MA: 2073  
 Kirchgeßner M: 1635  
 Kirk D: 2074  
 Kirkeby S: 2075  
 Kirkegaard C: 2076, 3386  
 Kirkendall WM: 2077  
 Kirkish LS: 2078  
 Kirkpatrick B: 1552  
 Kirksey DF: 3772  
 Kirschner MA: 2079  
 Kirsten R: 2080  
 Kisara K: 97  
 Kiseleva TI: 3779  
 Kiseleva ZM: 2081  
 Kiser RS: 2082-2083  
 Kiser TE: 3324  
 Kishikawa M: 2084  
 Kishimoto A: 2085  
 Kishimoto S: 2086  
 Kisliakova ND: 2087  
 Kissler W: 3440  
 Kita H: 2088  
 Kitada M: 2089  
 Kitagawa H: 2089  
 Kitajima K: 2090  
 Kitajima W: 3522  
 Kitakaze T: 4428  
 Kitamura E: 3651  
 Kitamura S: 2091-2092, 3526  
 Kitani Y: 1687  
 Kitaoka T: 2093  
 Kitaoka K: 4400  
 Kitchen EA: 2094  
 Kitsera AE: 2095  
 Kitterman JA: 207  
 Kivovics P: 77  
 Kiwerski Z: 4359  
 Kizer JS: 625, 2922  
 Klaassen CD: 1052  
 Klačanský T: 2923  
 Klahr C: 3230  
 Klahr S: 73  
 Klassen J: 1523  
 Klaus D: 1054, 1644, 2096  
 Klei TR: 249  
 Kleiman de Pisarev DL: 2097  
 Klein G: 1899  
 Klein R: 2049  
 Kleinberg DL: 2098  
 Kleiner GJ: 2099  
 Klemm HP: 262, 2100  
 Klempa I: 2101  
 Kleniewska D: 2102  
 Kleppinger RK: 2103  
 Klerman GL: 2190  
 Kletzký OA: 984, 2104  
 Kley HK: 2105  
 Kliems G: 3818  
 Klignman AM: 2106  
 Klijn JG: 2270  
 Klimek R: 2107  
 Klimmeck D: 3608  
 Klindt J: 888  
 Kling OR: 1684  
 Klinger G: 621, 4207  
 Klingler W: 2108  
 Kliner U: 2109  
 Klinowska M: 1649  
 Klittich L: 2110  
 Klotzer KH: 2111  
 Klokenbusch S: 4348  
 Klosiewicz L: 325  
 Klöti J: 2112  
 Klug H: 1808  
 Klysner R: 1344  
 Knaack J: 1523  
 Knapp HR: 2113, 3317  
 Knazek R: 2776  
 Kneale BL: 3078  
 Knežević Z: 1876  
 Kniazev IuA: 2114  
 Kniazhetskaia EL: 2115  
 Knight DE: 2116  
 Knight TF: 3636  
 Knobil E: 293  
 Knoblauch M: 2117  
 Knöll R: 151  
 Knoop FC: 2118  
 Knöfle G: 1183  
 Knopp J: 2119  
 Knudsen J: 1491  
 Knuepfer MM: 2468  
 Knyaz'kova S: 688  
 Kob D: 2111  
 Kobayashi I: 2802  
 Kobayashi K: 2120-2121, 2801, 3976  
 Kobayashi M: 2122, 4422  
 Kobayashi R: 2167  
 Kobayashi S: 3976  
 Kobayashi Y: 2123  
 Kobuszevska-Faryna M: 343, 1988  
 Kobylansky E: 2124  
 Koch B: 2712  
 Koch M: 2999  
 Kochman H: 2125  
 Kochman K: 2125  
 Kocijančič A: 2126  
 Kock F: 3597  
 Kodagali SB: 2127  
 Koefoed-Johnsen HH: 3810  
 Koehler B: 2128  
 Koeman JP: 3360  
 Koenig H: 2129-2130  
 Koepf P: 2258  
 Koethe SM: 757  
 Koezuka N: 4234  
 Kogelnik HD: 2131  
 Kohashi N: 1760, 2132  
 Köhler C: 2133  
 Köhler H: 2134  
 Kohlhardt M: 2135  
 Kohn LD: 1257, 1479, 2322  
 Koi P: 2763  
 Koide A: 2806  
 Koide T: 3032  
 Koie K: 4422  
 Koizumi K: 2136-2137  
 Kojima K: 2138  
 Kojima M: 3817  
 Kokot F: 2139-2140, 3183-3185  
 Kokubu T: 1701  
 Kolano K: 4478  
 Kolár J: 2141  
 Kolata GB: 2142  
 Kolb VM: 861  
 Kolbusz W: 3854  
 Kølendorf K: 2143  
 Kolenkina IV: 3776  
 Kolff WJ: 2144  
 Kolin J: 719  
 Kolle U: 2145  
 Kollman PA: 4361  
 Komarnicka R: 2962-2963  
 Komatsu H: 1409  
 Komatsu T: 4417  
 Komendantova MV: 1084  
 Kometiani ZP: 4081  
 Komissarenko IV: 3766  
 Kommissarenko IV: 3767  
 Komorowska A: 2146  
 Komorowski RA: 2147  
 Kon IY: 660  
 Kondo K: 117, 3485, 3522  
 Kondo S: 2148, 3083, 4396  
 Kondo T: 4093  
 Kondrat'ev VB: 2251  
 Kondrat'ev Ialu: 3778  
 Konieczna M: 222  
 König A: 421  
 Konishi J: 1814-1815  
 Konishi K: 3522  
 Kono T: 1277, 2149-2150  
 Konowalchuk J: 3867  
 Konrads A: 1707  
 Konstantinova MS: 937  
 Kontturi M: 1567  
 Konuma S: 3983  
 Koo GC: 4223  
 Koopman-Kool E: 2972  
 Kop'eva SA: 3945  
 Kopin IJ: 2243  
 Kopp HG: 2381  
 Koppens PC: 944  
 Kopsa H: 2140  
 Kopstein J: 3851  
 Korach KS: 2151  
 Korba A: 3154  
 Korbut R: 1495  
 Korchak HM: 2152  
 Korchikov DG: 1855  
 Kordon C: 2153-2154, 2448, 3427  
 Koreeda F: 2011  
 Korewicki J: 2185  
 Korey A: 1625  
 Korhola O: 4097  
 Kori Y: 1760, 2132  
 Koritz SB: 2155  
 Korman E: 4359  
 Kornalik F: 2156  
 Kornblith PL: 2413  
 Kornblut AD: 2157  
 Kornerup HJ: 2158-2159  
 Kornfeld I: 3713  
 Kornienko EA: 2160  
 Korobkin M: 2597  
 Korolev GK: 2161  
 Korostovtsev DS: 2162, 2176  
 Korovkina EG: 4215  
 Kort H: 2163  
 Korukhov VV: 2164  
 Kosanovic A: 1359  
 Kose WH: 2064  
 Kosenko AF: 2687  
 Koshikawa S: 2093  
 Kosman ME: 2165  
 Kossakowski JS: 2166  
 Koster JF: 4136  
 Kostial K: 390  
 Kostić G: 3729  
 Kostiuik OI: 2548  
 Kostolanski S: 2188  
 Kosturkov G: 977  
 Kotani M: 2167  
 Kots Iam: 322  
 Kotschy M: 364  
 Kotts CE: 403  
 Kountz SL: 573  
 Kousaka T: 2168  
 Kousourou G: 880  
 Koutras DA: 2419, 3363  
 Kouvonen I: 2169  
 Kovač T: 2170  
 Kovacevic NS: 3882  
 Kovacs K: 584, 2482  
 Koval'zon VM: 2171  
 Kovařovičová J: 2172  
 Kovshenkov EP: 1380  
 Kowal J: 2173, 2650  
 Kowaloff EM: 2174



# AUTHOR INDEX

Kowalski MA: 2843  
 Kowski W: 538  
 Koya J: 4400  
 Koyama T: 2175  
 Kozhemiakin LA: 2176  
 Kozhiashvili N: 735  
 Kozhin AA: 2177  
 Kozik MB: 2178  
 Kozin F: 757  
 Kozuru M: 2179  
 Krabbe S: 2180  
 Kračmar P: 1703  
 Kraetz J: 1823  
 Kraicer PF: 229  
 Krainčanić M: 3729  
 Krakoff IH: 834  
 Krakoff LR: 2181  
 Kralj B: 4057  
 Kram R: 1524, 3366  
 Kramer AA: 1986  
 Kramer RE: 4219  
 Kramer S: 867  
 Krane EJ: 10, 3889  
 Krane SM: 1404  
 Kranias E: 2182  
 Kranias G: 2182  
 Krans HM: 2183  
 Kranz D: 2184  
 Krapez J: 1678  
 Kraska T: 2185  
 Krasova TG: 2186  
 Krass PM: 1949  
 Kratochwil K: 1040  
 Kratzsch G: 2187  
 Krauer W: 1787  
 Krause EG: 2188  
 Krause JE: 2189  
 Krause W: 4282  
 Krauthammer C: 2190  
 Kravtsov PY: 2026  
 Krejčík L: 1544  
 Krempien B: 2675, 3225  
 Krenitsky TA: 4468  
 Krepler P: 1200  
 Kressel HY: 2815  
 Kreusser WJ: 2230  
 Kreze A: 1702  
 Krieg T: 2654  
 Krieger DT: 2191-2192, 2192, 3921  
 Krieglstein GK: 2370  
 Krikun PP: 2662  
 Krisch B: 2193  
 Krishnamurti S: 45  
 Kristal MB: 2194  
 Kristensen BO: 2195  
 Kristof M: 4330  
 Krivosic-Horber R: 2196  
 Kroesbergen J: 1473  
 Krokowski E: 2197  
 Kromhout JA: 1244  
 Kronenberg HM: 1533  
 Kronheim S: 324  
 Krstić A: 832  
 Krug S: 4481  
 Kruijswijk H: 1473  
 Krupa-Wojciechowska B: 2198  
 Krupp PP: 2199  
 Krüskemper HL: 1658, 2105  
 Krustev A: 2927  
 Kruszewski S: 3090  
 Kruus S: 1812  
 Kržišnik Z: 2766  
 Krzych U: 2200  
 Książek A: 2201  
 Ktova GA: 3860  
 Kubiček K: 2202  
 Kubista E: 2203  
 Kubisz P: 2204  
 Kubo T: 2205  
 Kubota K: 2965  
 Kubota M: 2206  
 Kucera H: 2203  
 Kucharska K: 2207  
 Kucherovala TI: 2087  
 Kuchibhotla J: 3918  
 Kuchino Y: 3658  
 Kudisch M: 4375  
 Kudo M: 2536, 3977  
 Kudo T: 2536, 3083, 3486  
 Kudoh S: 2091-2092

Kudriavtseva GV: 2164  
 Kudrin AN: 2208  
 Kugimiya T: 3688  
 Kugler P: 2209  
 Kuhl H: 2210  
 Kuhn CM: 490  
 Kuhn DM: 2452  
 Kuhn NJ: 622  
 Kuhnert-Brandstätter M: 2211  
 Kukharchuk VV: 1986  
 Kulaga VV: 2212  
 Kulagin VK: 4120  
 Kulavskii VA: 2213  
 Kulcsar G: 2870  
 Kuleshov NP: 2214  
 Kuligowska M: 2409  
 Kulikova LF: 2215  
 Kuller LH: 2216  
 Kumagai A: 1959, 2217, 2639  
 Kumahara Y: 2123, 2218, 3008-3009, 3026-3027  
 Kumar MA: 2219  
 Kumar TC: 878  
 Kumar V: 1976  
 Kumarasamy T: 2220  
 Kumaraswamy KR: 2221  
 Kumaratilleke L: 432  
 Kumasaka T: 2175  
 Kumazawa T: 4271  
 Kumi-Diaka J: 2222  
 Kung HF: 2223  
 Kung'u A: 4466  
 Kunick I: 3166  
 Kuntz ID: 4361  
 Kuo CH: 2224  
 Kuo JF: 2225, 4084  
 Kuo PF: 2765  
 Kuphal K: 4260  
 Kupka S: 2203  
 Kupnovitskaia IG: 2915  
 Kurachi K: 117, 2226  
 Kuralessin MG: 1347  
 Kurata S: 1829  
 Kurbanov TG: 2227  
 Kurdybailo FV: 2228  
 Kurischko A: 2999, 3001  
 Kuriyama T: 2229  
 Kurohata M: 1936  
 Kuroiwa M: 3688  
 Kuroiwa S: 2808  
 Kuroiwa Y: 2850  
 Kurokawa K: 2230  
 Kuroki Y: 2632  
 Kuroyanagi T: 4095  
 Kurth KH: 1861  
 Kurtz DT: 2231  
 Kurzmack M: 1830  
 Kusaba E: 3688  
 Kusano T: 2641  
 Kusch M: 1144, 2232  
 Kushwah A: 2233  
 Kuska J: 3184-3185  
 Küss R: 2234  
 Kute TE: 2235  
 Kutner JP: 306  
 Kutner MH: 3449  
 Kutsch Lojenga JC: 2236  
 Kutsenko AI: 2237  
 Kuttann F: 2238  
 Kutter D: 2239  
 Kuusisto A: 3145  
 Kuwano R: 2240-2241  
 Kuwata M: 4060  
 Kuyper MA: 3170  
 Kuz'min AI: 1819  
 Kuz'minskaia UA: 2242  
 Kuzuya K: 4420  
 Květenský J: 1702  
 Kvetňanský R: 2119, 2243  
 Kwan PW: 2316  
 Kwapien RP: 1190  
 Kwiatkowska J: 343  
 Kwiatkowski GT: 3833  
 Kwok SC: 2244, 2525  
 Kwon HB: 2245  
 Kyank H: 2246  
 Kyle RA: 2247  
 Kyriakos M: 478

## L

Laage-Hellman JE: 1365  
 Laba L: 2962  
 Lábady F: 2249  
 Labhart A: 2250  
 Labitte A: 2601  
 Labkovskii BM: 2251  
 Labohm EB: 2252  
 Labrie F: 1165-1166, 2039, 2253  
 Lachenmayer L: 262, 2775  
 Lachiver F: 2254  
 Lachman R: 3705  
 Lachman RS: 1754  
 Laciak J: 2255  
 Lacuara J: 4406  
 Lacy WW: 585  
 Lada W: 642  
 Ladefoged J: 48  
 Laduron PM: 600  
 Laekeman GM: 2256  
 LaFontan M: 2257  
 Laforgia V: 4157  
 Lafuente L: 827  
 Lafuente G: 2463  
 Lagarde N: 526  
 Lagenstein I: 2258  
 Lagoguy M: 3328  
 Laha RK: 2259  
 Lahey PJ Jr: 2821  
 Lähteenmäki P: 2260-2261, 2951  
 Lai CS: 2262  
 Laidlaw G: 2263  
 Lake W: 3300  
 Lakhnopal V: 2264  
 Lakin ML: 2265  
 Lakshmanan J: 2266-2268  
 Lal S: 4082  
 Lala VR: 4071  
 Lalli M: 1652  
 Lama J: 2688  
 Lamberg BA: 2400  
 Lambert LA: 1338  
 Lamberti G: 2269  
 Lamberts SW: 2270  
 Lamming GE: 543-544  
 Lamont M: 1130  
 LaMorgese JR: 2491  
 Lamy J: 2961  
 Lance V: 586, 2271  
 Lancée-Hermkens AM: 4154  
 Lanclos KD: 2272  
 Land H: 2273  
 Land M: 575  
 Landau B: 2274  
 Landau H: 2275  
 Landau IT: 2276  
 Landefeld T: 865  
 Landesman SH: 2277  
 Landolt AM: 2278  
 Landon GV: 3780  
 Landriscina C: 1387  
 Lang F: 2990  
 Lang G: 4171  
 Lange B: 2279  
 Lange PH: 2058  
 Langelier P: 866  
 Langer G: 1490, 2280  
 Langhammer H: 2281  
 Lantz RC: 2282  
 Lanza G: 786  
 Lanzara P: 617  
 Lanzer G: 4045  
 Lapointe M: 751  
 Lapushinskii DP: 2652  
 Laragh JH: 1337, 2283, 3615  
 Lareng L: 2284  
 Laricheva IP: 2160  
 Larkins RG: 728  
 Larner J: 3063  
 Laron Z: 3389  
 Larsen B: 2285  
 Larsen FL: 2286  
 Larsen HW: 86  
 Larsen JF: 4172  
 Larsen LO: 1923, 2287  
 Larsen PR: 3708  
 Larson BA: 2288  
 Larson BL: 2289, 2514

# AUTHOR INDEX

- Larson SJ: 1072  
 Larsson A: 388, 2290  
 Larsson B: 3050  
 Larsson C: 2291  
 Larsson I: 2469  
 Larsson LI: 2292  
 Larsson SE: 3752  
 Larsson-Cohn U: 2293  
 Las Heras J: 2294  
 Lasco A: 1261  
 Lassiter WE: 3118  
 Lasson U: 2295  
 Lassus A: 31  
 Last P: 2296  
 László J: 1293  
 László V: 819  
 Latysheva VV: 2212  
 Lau C: 3772  
 Laub DR: 2966  
 Laudat MH: 521, 2353  
 Laufe L: 3277  
 Lauffenburger T: 568  
 Laughlin ME: 402  
 Laughren TP: 515  
 Lauler DP: 1664  
 Laumas KR: 3737, 4174  
 Laumonier R: 3590  
 Laurberg P: 2297  
 Lauritzen C: 2298  
 Laut AD: 2299  
 Lauterbach H: 621  
 Lavallo C: 2300  
 Laven R: 523  
 Lavielle S: 4000  
 Law PY: 2301  
 Lawecki J: 642  
 Lawler SD: 2302  
 Lawrence D: 2497  
 Lawrence IE Jr: 2450  
 Lawrence JF: 2521  
 Lawrence NR: 882  
 Lawrence P: 142  
 Lawrence TS: 2303  
 Lawson DE: 4340  
 Lax ER: 2304  
 Laychock SG: 3441-3442  
 Lazár C: 2305-2306  
 Lazár G: 1607  
 Lazarev AN: 2307  
 Lazaro E: 456  
 Lazarus JH: 2308  
 Lazarus L: 1505  
 Lazier CB: 2309  
 Lazo PS: 1479  
 Lê M: 3506  
 Le Bars D: 345  
 Le Bouar Y: 2961  
 Le Foll D: 4189  
 Le Fur G: 4124  
 Le Gaillard F: 2310  
 Le Gal LaSalle G: 2311  
 Le Menn F: 1118  
 Le Roith D: 868  
 Le Roux A: 4152  
 Le Vine H 3d: 1623  
 Lea TJ: 2312  
 Leape L: 1454  
 Leary FJ: 4471  
 Leask JT: 3285  
 Leatham J: 2313  
 Leatherland JF: 2314-2315  
 Leav I: 2316  
 Lebedeva NA: 2317  
 Leblanc P: 2448  
 Leboulenger F: 1893  
 Lebovitz RM: 2082-2083  
 Lebttag I: 4249  
 Lechat P: 1222  
 Lechene C: 3118  
 Lechner F: 2318  
 Leclercq G: 2319  
 Lecomte JM: 1233  
 Lecot F: 2353  
 Lederballe Pedersen O: 2320  
 Lederer E: 4014  
 Lederis K: 1364, 2630, 3110  
 Ledger PW: 2321  
 Lee C: 3852-3853  
 Lee CY: 2373, 3672-3673  
 Lee DL: 4361  
 Lee G: 1257, 1479, 2322  
 Lee HA: 560  
 Lee IP: 2323, 2830  
 Lee JB: 1041  
 Lee JY: 2324  
 Lee KF: 867  
 Lee KJ: 1226  
 Lee KS: 512  
 Lee L: 1309  
 Lee MA: 899  
 Lee NH: 2325  
 Lee SC: 2997  
 Lee SH: 2326  
 Lee WN: 2327  
 Leenen FH: 1366  
 Lees GJ: 3749  
 Leeuw RS: 2328  
 Lefebvre G: 2329  
 Lefebvre J: 1229  
 Lefer AM: 1307  
 Legait H: 2330  
 Léger L: 2331  
 Legge JS: 2386  
 Legrand JC: 163  
 Legrand M: 2196  
 Legrenzi E: 353-356  
 Legros JJ: 2332  
 Lehman JR: 2333  
 Lehmann F: 1481  
 Lehmann PF: 2334  
 Lehninger AL: 2335  
 Lehr D: 232, 1502  
 Lehr HJ: 2110  
 Lehrach H: 1259  
 Leiba S: 2336  
 Leiber U: 2258  
 Leibman KC: 2337  
 Leibowitz SF: 1369, 2338-2339  
 Leichner P: 1878-1879  
 Leichtman DA: 2340  
 Leidenberger F: 1481  
 Leite AC: 2341  
 Lejman W: 3248  
 Lekhtman MN: 2342  
 LeMaire WJ: 727  
 Lemaistre O: 1209  
 Lemarchand-Béraud T: 341  
 Leme CE: 4231  
 Lemerle J: 1208  
 Lemonnier M: 2343  
 Lenard HG: 1294  
 Lenehan TJ: 3339  
 Lennox E: 3885  
 Lentz FE Jr: 2344  
 Lenz W: 2345  
 Leodolter S: 3176  
 León W: 1883  
 Leonard BE: 1049, 2047  
 Leonardelli J: 2349  
 Leonetti G: 2346  
 Leonhardt H: 2193, 2347  
 Leonowicz J: 2198  
 Leonowicz K: 2198  
 Leont'eva GV: 3929  
 Leopold GR: 3564  
 Lepiane FG: 1182  
 Leporrier M: 973  
 Leppaluoto J: 4130  
 Lepšanić L: 2170  
 Lequin RM: 3360, 4031  
 Lerat MF: 2348  
 Lernmark A: 2609  
 Lerondelle C: 3222  
 Lescoat G: 157  
 Lescure H: 2349  
 Leshin M: 2350  
 Leslie GB: 516  
 Leslie RD: 2351  
 Leslie SW: 4001-4002  
 Lestrovaja NN: 2352  
 Leszczyńska Z: 3071  
 Lettieri F: 3159  
 Leung K: 778  
 Leure-duPree AE: 3089  
 Lev-Gur M: 2099  
 Lev-Tov A: 3280  
 Levasseur A: 4003  
 Levchenko LI: 2686  
 Levenson D: 452  
 Leventhal BG: 2408  
 Levey GS: 4179  
 Lévi F: 1930  
 Levilliers J: 2353  
 Levin J: 861  
 Levin IuR: 1430  
 Levine FH: 2024  
 Levine GA: 2354  
 Levine JD: 2355  
 Levine L: 3999  
 Levine LS: 2356  
 Levine S: 748, 885  
 Levitan IB: 2357  
 Levitt P: 2358  
 Levitz M: 2359  
 Levitzki A: 4055-4056, 4056  
 Levkovskii NM: 2360  
 Levy D: 686  
 Levy J: 3637  
 Levy JV: 2361  
 Levy L: 2362  
 Levy M: 1114  
 Levy SB: 1725  
 Lew KK: 2918  
 Lewandowski A: 2363  
 Lewin E: 4239  
 Lewis B: 3178  
 Lewis BJ: 955  
 Lewis D: 2521, 3800  
 Lewis DG: 339  
 Lewis GP: 2364-2365  
 Lewis GS: 1220, 2852  
 Lewis JC: 2366  
 Lewis JG: 1683  
 Lewis PJ: 1354  
 Lewis RE: 204  
 Lewis RP: 2665  
 Lewis RV: 2367  
 Lewis SE: 2368  
 Lewis UJ: 2288  
 Lewison EF: 2369  
 Leydhecker W: 2370  
 Leynadier F: 1021  
 Laysen JE: 600  
 L'Hermite M: 2371  
 L'Heureux PR: 58  
 Lhoste F: 974  
 Li CH: 358, 2372-2373, 2430, 4086  
 Li FP: 2586  
 Liakakos D: 106  
 Lian JB: 2374-2375  
 Liang T: 2376  
 Liao S: 2376  
 Liapon AO: 3464  
 Libbus BL: 2377  
 Liberti JP: 2378  
 Libertun C: 936  
 Lichardus B: 2379  
 Licht P: 2380  
 Lichtensteiger W: 2381  
 Lichter A: 1214  
 Lichtman JW: 3259  
 Liddle GW: 2382, 2513, 3349  
 Lidén S: 31  
 Lidgard GP: 4407  
 Lidman U: 1575  
 Lieberman H: 2383  
 Liebhart M: 3957  
 Liebman PA: 2384  
 Lief PD: 212  
 Lien E: 3517  
 Lifschytz E: 2385  
 Liggins GC: 10  
 Lightbody IM: 2386  
 Ligumsky M: 3275  
 Lijnen P: 1131-1132  
 Lijnen PJ: 2387-2388  
 Likar IN: 3372  
 Likar LJ: 3372  
 Liles S: 3294  
 Lillie RD: 2389  
 Lim C: 4363  
 Lim P: 658  
 Lim VS: 2390  
 Limburg H: 2391  
 Limoges A: 4189  
 Lin CC: 2541  
 Lin HS: 2392  
 Lin HT: 2393  
 Lin JT: 2394  
 Lin SR: 2485



# AUTHOR INDEX

adahl O: 2395  
 de A: 1101  
 dheimer MD: 2390, 2970  
 dholm T: 1107  
 dman B: 1018  
 dner J: 172  
 dstedt G: 331  
 dström B: 280  
 dström L: 1513, 3617  
 dvall N: 3020  
 dvall O: 2396-2397  
 dvall L: 2395  
 g LL: 2602  
 g N: 552, 1505, 1893, 2398, 4129-4130  
 man JW: 2399  
 nert D: 567  
 noila M: 2400  
 s LE: 2950  
 s PE: 2401  
 uma H: 2402  
 tta AS: 3921  
 zner LD: 2403  
 ner H: 3899  
 p HP: 2404-2405  
 pe C: 831  
 pman M: 754  
 pman ME: 61-63, 434, 1093, 2406-2408  
 pmann ME: 2776  
 ska H: 2409  
 ton JM: 2410  
 M: 708  
 icki J: 3062  
 ter G: 2411  
 ter TA: 4370  
 ton SL: 2412  
 zczak T: 2413  
 nell H: 2422  
 le JR: 2414  
 le SA: 913  
 le V: 2497  
 leton J: 2415  
 man P: 2279  
 vinenko TG: 1508  
 DS: 2416  
 WK: 557  
 bimov BI: 1798  
 l'ko AV: 2417  
 ergant luE: 2418  
 esey JH: 1000  
 idas DP: 2419  
 ington A: 2420  
 ington K: 3156  
 io M: 3332  
 ngberg T: 4113  
 ngdahl A: 1545, 1719  
 nggren JG: 2421  
 nghall S: 2422, 3478  
 wellyn GC: 4280  
 rens-Cortes C: 3207  
 yd RD: 2423  
 SJ: 2993  
 Bartolo G: 617  
 Schiavo F: 1261  
 syntsev KS: 444  
 catelli V: 746  
 catto ME: 2424  
 chis D: 3267  
 cke ER: 509  
 cke W: 2425  
 ckefeer JH: 1932  
 effel ED: 2426  
 fredo A: 2427  
 ts B: 2428  
 gan AG: 2429  
 gue CM: 2276  
 gue F: 190  
 gue FC: 3305  
 i HH: 2301, 2430, 4086  
 ff MR: 2431  
 imann SM: 2432  
 zeau M: 1222  
 da L: 2904  
 is D: 2433-2434  
 narev MP: 2435  
 max P: 193  
 mbroso GC: 814  
 nessy A: 2436  
 ċar H: 3755  
 don DR: 731, 1961  
 don GM: 3474

Long SE: 2437  
 Longscope C: 2438  
 Longden A: 815  
 Longhurst P: 242  
 Longiave D: 342  
 Longo LD: 4329  
 Longo P: 1793  
 L6o H: 2439  
 Loo JC: 2440  
 Loosen PT: 3227  
 Lopatin BS: 2441  
 Lopes OU: 2442  
 L6pez A: 827  
 Lopez E: 2509  
 Lopez JM: 372  
 L6pez MA: 1408  
 Lopez R: 2443  
 L6pez Barcena J: 645  
 L6pez Guerrero AJ: 2444  
 L6pez Macia A: 1168  
 Loras B: 3471  
 Lore F: 1353  
 Lorenc R: 2592  
 Lorens SA: 2445  
 Lorentzon R: 3752  
 Lorenze EJ Jr: 49  
 Lorez HP: 3511  
 Loriaux DL: 2695  
 Losito A: 2446  
 Loskutova EA: 4208  
 Lotem J: 2447  
 Lotti G: 2618  
 Loubry P: 4168  
 Loudes C: 2448  
 Louie JS: 2484  
 Louis CF: 2449  
 Louis TM: 992, 2450  
 Louis WJ: 1016, 2451  
 Love AH: 4200  
 Lovelace RE: 954  
 Lovenberg W: 262, 2452  
 Loveridge N: 855  
 L6vgren T: 2169, 2453-2454  
 L6w H: 2401  
 Lowenstein JM: 482  
 Lowenthal A: 2455  
 L6whagen T: 4036  
 Lowman RM: 3139  
 Lown B: 4177  
 Lowrie DB: 1859  
 Lowry PJ: 2456  
 Lox CD: 2457  
 Loyter A: 4211  
 Loza D: 1350  
 Lu CC: 2458  
 Lu CY: 2129  
 Lubbe K: 1140  
 Lubbe WF: 2459  
 Lubberink AA: 2677  
 Lubinus J: 4469  
 L6bke H: 1054  
 Luca N: 2460  
 Lucchelli A: 2461  
 Luce H: 1021  
 Luchian I: 94  
 Luchitskii EV: 3766-3767  
 Luchshev VI: 2462  
 Lucisano A: 2463  
 L6ccke C: 3263  
 Luft FC: 2520  
 Lugg MA: 2464  
 Luhulima LF: 143  
 Lui KF: 658  
 Luj6n M: 3381  
 Luka6ov6 M: 2923  
 Lukas A: 3769  
 Lukas W: 3769  
 Lukash F: 2465  
 Lukasik J: 2466  
 Luk'ianenko AI: 174  
 Lukie6czuk T: 364  
 Lun KC: 3985  
 Lund B: 2467  
 Lund DD: 2468  
 Lund F: 3597  
 Lund T: 1577  
 Lundak TS: 4072  
 Lundbaek K: 711  
 Lundberg B: 2453-2454  
 Lundberg JJ: 2775

Lundberg JM: 2469  
 Lundberg PA: 331  
 Lundbergh P: 2470  
 Lundblad L: 1365  
 Lundborg P: 1626  
 Lundh H: 2471  
 Lundquist I: 1244  
 Lundqvist C: 386  
 Lundsteen M: 3386  
 Lunkenheimer PP: 2472  
 Lupia6ez JA: 3502  
 Lupinek Z: 2473  
 Lusia AJ: 2474  
 Luthman J: 1913  
 Luty K: 665  
 Lutz H: 1592  
 Lutz U: 1002  
 Lutz WK: 1869  
 Lynch HT: 1205  
 Lynch JF: 1205  
 Lynch SS: 731, 882  
 Lyon J: 2475  
 Lyttle CR: 950

## M

Maass H: 1912  
 Mabile JP: 2961  
 Mac Donald PC: 2535  
 McAfee DA: 2476  
 Macaron C: 2477  
 McArthur DA: 2333  
 McArthur RA: 794  
 Macarulla JM: 135  
 MacAuley SJ: 2509  
 McBride MH: 852  
 McCaa RE: 900  
 McCaffree MA: 2478  
 McCain TA: 1609  
 McCann DS: 2078  
 McCann SM: 2479, 3500, 4190  
 McCarron DA: 2480  
 McCarthy MS: 3324  
 McCarty DJ: 2481  
 Macchi A: 3816  
 McClanahan M: 198  
 McClellan GB: 4343  
 McComb DJ: 2482  
 McConnell B: 2483  
 McCord WC: 2484  
 McCormack TJ: 2485  
 McCracken GH Jr: 2486  
 McCrea JD: 729  
 McCredie KB: 1249  
 McCulloch AJ: 3039  
 McCullough EC: 2487  
 McDermed J: 3583  
 McDevitt DG: 2488-2489  
 MacDonald A: 1140  
 MacDonald DW: 2490  
 McDonald IR: 779  
 McDonald KE: 89  
 MacDonald PC: 38, 1125, 2533-2534  
 MacDonald RJ: 1581  
 McDonald SD: 2491  
 MacDonnell PC: 1816  
 McDougall IR: 2492  
 McEnany MT: 2024  
 McEwen BS: 2494, 2731  
 McFarland SS: 2423  
 MacFarlane BA: 3224  
 MacFarlane WV: 2495  
 Macfaul R: 2496  
 McGarrigle HH: 2497  
 McGiff JC: 764, 2498, 4364  
 McGill JR: 2499  
 McGilliard ML: 1527  
 MacGillivray I: 3189  
 McGilp I: 4241  
 McGinnis M: 2500  
 McGivern RF: 801  
 McGowan EI: 4290  
 McGrath CM: 2501  
 McGrath G: 1714  
 McGrath P: 2502  
 McGregor WH: 3992  
 McGuffee LJ: 1786  
 McGuffin JC: 736-737  
 McGuire JC: 2503

# AUTHOR INDEX

- McGuire JL: 14, 4289  
 McGuire MB: 348  
 McGuire WL: 555, 652, 2504  
 Macháňová Y: 1464  
 Mchedlishvili GI: 2505  
 McIntosh D: 2506  
 McIntosh JE: 4296  
 McIntyre DC: 2507-2508  
 MacIntyre I: 782, 2509-2510, 3186, 3831  
 Mack G: 2043  
 Mack JP: 2511  
 MacKay EV: 1675  
 McKeever WP: 3664  
 McKelvey GW: 2512  
 McKenna TJ: 1708, 2513  
 McKenzie RM: 2514  
 McKhann GM: 3844  
 McKibbin PE: 543  
 McKinley WA: 3518  
 McKinna JA: 3786  
 McKinsty D: 529  
 Macklem PT: 942  
 McLanahan CS: 2515  
 McLane JA: 4342  
 McLarin C: 475  
 McLarty DG: 2516  
 McLaughlin MK: 2517  
 McLaughlin PJ: 2518, 4315  
 McLean AJ: 2519  
 McLean DI: 3423  
 Maclean N: 1017  
 McLeish KR: 2520  
 MacLennan R: 1301  
 MacLennan WJ: 1024  
 McLeod HA: 2521  
 MacLeod NK: 2522  
 MacLeod RM: 2371  
 Macler J: 2523  
 McMahan KM: 4244  
 McManus MJ: 4299  
 McMartin C: 195  
 MacMillan FK: 1748  
 Macmillan KL: 3788  
 McMullen HL: 2524  
 McMurtry IF: 2790  
 McMurtry JP: 2525  
 McNamara JO: 2526  
 McNeill JH: 2528, 2673, 4009-4010  
 McNeill ME: 2529  
 McNeilly AS: 2530  
 McNicol GP: 4068  
 McNulty JA: 2531  
 Maconi A: 84  
 MacPhee AA: 760  
 McPherson K: 4378  
 McQueen EG: 2532  
 McQueen HM: 686  
 McWilliams D: 865  
 Madden JD: 2533-2535  
 Madiwale MS: 863  
 Maeda A: 2536  
 Maeda M: 2619, 2880  
 Maeda N: 3532  
 Maeda S: 2888  
 Maeda T: 1698  
 Maekawa K: 2537  
 Maeno H: 3488  
 Maeyama M: 2759  
 Magarian RA: 3151  
 Magdich LV: 3944-3945  
 Magdolenová S: 2681  
 Maggi A: 1484  
 Maggio L: 1108  
 Maggiore Q: 2538  
 Magnani G: 2627  
 Magnasco J: 3816  
 Magnusson T: 1323  
 Maguire ME: 2539  
 Mahaffee DD: 3056  
 Mahaffey MB: 2540  
 Maher JT: 1237  
 Mahgoub ES: 1510  
 Mahler HR: 2541  
 Mahmud I: 2756  
 Mai JK: 3215  
 Maickel RP: 2542  
 Mailman RB: 490-491, 2543, 2922  
 Mainard F: 82, 2544  
 Maiorana A: 1296  
 Mair NS: 3339  
 Mairesse N: 1628  
 Maisterrena J: 1043  
 Maj J: 2545  
 Majerus DW: 2727  
 Majerus PW: 2727  
 Májský A: 2546  
 Majumder GC: 2547  
 Makarchenko AF: 2548-2549  
 Makarchuk NM: 3501  
 Makarova LD: 4119-4120, 4120  
 Makarova LI: 2053  
 Makimura H: 4122  
 Mäkinen T: 2550  
 Makino E: 1965  
 Makino H: 1959  
 Makman MH: 33-34, 4019  
 Makotchenko VM: 2551  
 Makris A: 2552  
 Maksimov GA: 295  
 Maksimova MV: 2553-2554  
 Makuria T: 2555  
 Malacara JM: 1408  
 Malaev MG: 1407  
 Malaisse WJ: 2022, 2556-2557, 3637  
 Malakhovskii VK: 2686  
 Malaponte E: 3547  
 Maldague P: 1245  
 Maleeva A: 993  
 Malendowicz LK: 2558  
 Males JL: 2559-2560, 2560  
 Malfroy B: 1233  
 Malhotra AK: 4173  
 Malik KU: 4364  
 Malik MH: 4017  
 Malinina-Putchenko VP: 2551  
 Malinowska-Maciejewska M: 941  
 Malkinson AM: 2561  
 Malkinson FD: 2562  
 Mall T: 2038  
 Mallet E: 2563  
 Mallon K: 3889  
 Malmström K: 609  
 Malone JF: 2996  
 Maloney K: 1205  
 Maloof F: 460  
 Malpas JS: 2564, 4370  
 Malpuech G: 2565  
 Malsbury CW: 2566  
 Malvankar AG: 863  
 Malvarez López JR: 2444  
 Malyi VP: 2567  
 Man in 't Veld AJ: 945  
 Manabe H: 2880  
 Manaka S: 1744  
 Manankova NM: 2568  
 Manawadu BR: 2569  
 Manchanda SK: 2829  
 Mancuso AA: 286, 2570  
 Mandache FL: 2571  
 Mandel P: 1659, 2043  
 Mandelin M: 2572-2573  
 Mandelker L: 2574  
 Mandi A: 2575  
 Mandlekar A: 2576  
 Manevich VL: 1800  
 Mangal PC: 2577  
 Manganiello VC: 4080  
 Mangat HK: 2578  
 Mangham BA: 2365  
 Maniey J: 157  
 Manis T: 1242  
 Maniscalco WM: 1485  
 Manke-Muchow S: 2472  
 Man'kovskii NB: 2579  
 Manku MS: 1984, 2580  
 Manna CK: 2581  
 Manni A: 505, 3137  
 Manning FA: 3798  
 Männistö PT: 2582  
 Manns JC: 250  
 Manojlović DLj: 985  
 Mansour A: 2583  
 Manusova NB: 186  
 Marafante E: 3468  
 Maran JW: 1313  
 Maraña González G: 1316, 2584  
 Marano P: 1138  
 Marbach P: 1608  
 Marberger M: 1873  
 Marbet G: 537  
 Marchenko LF: 2114  
 Marchesi D: 3332  
 Marchetta FC: 2585  
 Marchetti B: 3546  
 Marchetto DJ: 2586  
 Marchevsky AM: 2587  
 Marchi A: 2588  
 Marcinkowski Z: 2589  
 Marcus AJ: 2590  
 Mardell R: 2591  
 Margo G: 3168  
 Margolis S: 1422  
 Mariani A: 3984  
 Marieb NJ: 1226  
 Marin M: 4201  
 Marin Hernández G: 966  
 Marin Rojas MC: 1316, 2584  
 Marinello MJ: 3872  
 Marino JF: 1586  
 Marino P: 785  
 Marinowska E: 2592  
 Markarova OS: 4164  
 Markaverich BM: 2593  
 Markell MS: 3224  
 Markham RB: 2594  
 Markovski N: 2595  
 Marks PA: 1181, 1341  
 Marks RD: 2596  
 Marks WM: 2597  
 Markstein R: 2598  
 Markuszewski C: 2599  
 Marliss EB: 1172  
 Marlowe C: 4224  
 Marmasse J: 2600  
 Marnay-Gulat C: 2601  
 Marocchi A: 769  
 Maroon JC: 2259  
 Marova EI: 572  
 Marquardt GM: 2602  
 Marquetand D: 969  
 Márquez-Chamorro R: 3513  
 Marracino F: 488  
 Marre R: 2603  
 Marsden CA: 837  
 Marsden CD: 1896, 3235  
 Marsh J: 1542  
 Marsh JM: 727  
 Marshall DH: 1235  
 Marshall JM: 2678  
 Marshall JS: 3137, 4472-4473  
 Marshall WH: 1142  
 Martem'ianova SN: 3261  
 Martens G: 4029  
 Mårtensson L: 3751  
 Martin B: 1331  
 Martin BG: 2429  
 Martin C: 3563  
 Martin CB Jr: 3798  
 Martin CJ: 1030  
 Martin D: 1456  
 Martin DF: 2065  
 Martin JB: 486, 1824, 2922, 4015, 4336  
 Martin N: 2329  
 Martin PM: 2604, 3472  
 Martin RF: 1920, 2605  
 Martin TJ: 348, 805, 2606  
 Martínez-Fresneda CG: 2607  
 Martínez-Maldonado M: 2608  
 Martínez-Rodríguez R: 1322  
 Martini L: 450  
 Martini M: 608  
 Martini T: 4128  
 Martino E: 2609  
 Martinucci EM: 582  
 Martiradonna A: 4012  
 Martonosi AN: 2610  
 Martres MP: 3603  
 Martsev SP: 44  
 Martucci E: 2611  
 Martynova LE: 2612  
 Marugo M: 2613  
 Marumo F: 2614  
 Maruyama T: 2615  
 Marvaso V: 4250  
 Marx SJ: 494, 2616  
 Marx WJ: 2995  
 Marxer A: 3569  
 Marz R: 4358  
 Mas M: 2708  
 Mas Marfany J: 2617



# AUTHOR INDEX

- Masala A: 922-923, 2618  
Masalygina LS: 2417  
Masaoka A: 2619, 2880  
Mascaretti G: 604-605, 770  
Maschio G: 1180  
Masci A: 604  
Masci C: 488  
Mašek K: 2620  
Maselli G: 3310  
Masiuk AI: 323  
Maskarinec MP: 2621  
Mason JI: 2622  
Mason JW: 1237  
Mason PA: 3633  
Massari VJ: 2623  
Masserano RP: 1911  
Masseyeff R: 166  
Massi G: 2624  
Masson M: 589  
Massry SG: 2625-2626  
Mastrangelo R: 1793  
Masturzo P: 2627, 2854  
Masuda M: 1030  
Masuda S: 3011  
Masukawa H: 3011  
Masuoka M: 1437  
Masuoka T: 2628  
Mateles RI: 4386  
Matell G: 2629  
Mathison R: 2630  
Mathison RE: 4021  
Matković V: 389-390  
Matsuda F: 4420  
Matsuda M: 2631  
Matsuda Y: 4421  
Matsui I: 2632, 3525  
Matsui K: 2633  
Matsuki S: 3485, 3522  
Matsukura S: 2634, 4424  
Matsumoto I: 4271  
Matsumoto J: 1962  
Matsumoto K: 3028, 3032, 4060  
Matsumoto N: 4403  
Matsumoto T: 2635-2636  
Matsumura H: 3492  
Matsuo M: 2637  
Matsuo N: 2638  
Matsuoka N: 2639  
Matsushima M: 2016  
Matsushima S: 2640  
Matsushima Y: 1959, 1965  
Matsuura K: 1804  
Matsuya Y: 2641  
Matsuyama S: 3943  
Matsuzaki S: 2642  
Matsuzawa A: 2643  
Matt H: 2644  
Matt KS: 3887  
Mattammal MB: 4457  
Mattar E: 4231  
Mattei A: 814, 1170  
Matthews BF: 2645  
Matthews DN: 1492  
Matthews DR: 2646  
Matthews MJ: 755  
Matthias M: 2647-2648, 2648  
Mattingly RF: 2649  
Mattson P: 2650  
Matty AJ: 413  
Matuchansky C: 2651  
Matuk AR: 1159  
Matulich DT: 4361  
Matumoto M: 1964  
Matuszewski W: 1029  
Matveenko EG: 979  
Matveev AA: 2652  
Matveeva LS: 3860  
Matvelkov GP: 2653  
Matwizyn B: 642  
Matzen K: 2654  
Mauk P: 1638  
Maudes Rodriguez A: 4185  
Maudouyt MA: 4008  
Maughan GT: 2655  
Maume BF: 1892  
Maume G: 1892  
Maung SL: 1221  
Maupetit B: 4189  
Mauray F: 741-742  
Mauray D: 2656  
Maurer PH: 2786  
Mauri C: 2657  
Mauro A: 2282  
Mauvais-Jarvis P: 2238  
Mawhinney MG: 410  
Maxwell DR: 2520  
May JM: 913  
May RM: 2658  
May SJ: 2216  
Mayán Santos JM: 2444  
Mayer G: 2346  
Mayer J: 4034  
Mayer L: 971  
Mayer ML: 2522  
Mayer RJ: 3521  
Maynard PV: 2659  
Maynert EW: 519  
Mays CW: 2423  
Mays ET: 714  
Mazanek-Szymańska E: 2660  
Mazess RB: 4351  
Mazhuga EP: 3079  
Mazin VV: 2661  
Mazorchuk BF: 2662  
Mazumdar S: 1871  
Mazur MH: 2663  
Mazurek W: 1546  
Mazurik MF: 2664  
Mazurkiewicz JE: 2884  
Mazzaferri EL: 2665  
Mazzi V: 1146  
Mazzocchi G: 2666  
Meador JE: 2836  
Meadows AT: 2586  
Meakins JL: 1523  
Means AR: 902  
Meares EM Jr: 2667  
Mearns AJ: 2668  
Mecca G: 3332  
Meco G: 611  
Medina MA: 3095, 3097  
Medina P: 1301  
Medina Enriquez J: 136  
Medrano J: 92  
Medrano JA: 4063, 4065  
Medraś M: 278  
Medvedev VN: 444  
Medvedev Nlu: 2669  
Medvedeva GI: 2670  
Medvedovskaia TsP: 2768  
Meek JL: 2671  
Meeker R: 2672  
Meema HE: 3350  
Mees EJ: 1366  
Megarrity RG: 3198  
Meghji P: 2673  
Mehdi AZ: 672  
Al-Mehdi MI: 2674  
Mehls O: 2675  
Meier-Sydow J: 2676  
Meijer JC: 2677  
Meijer S: 4139  
Meilinger KL: 2340  
Meiri H: 2678, 3280  
Meiri U: 2678  
Meissner WA: 578  
Meistrich ML: 2679  
Meites J: 1348, 2680  
Meitner ER: 2681  
Mela L: 2682  
Melandar A: 2683  
Melby JC: 703  
Mele M: 846  
Mele R: 4070  
Melick RA: 728  
Melicow MM: 2684  
Melin Y: 1026  
Mellina IM: 2685  
Mellinger J: 68  
Mellits ED: 696  
Melmon KL: 237  
Mel'nikenko GA: 3860  
Mel'nichuk PV: 2686  
Mel'nik LA: 2687  
Melnykovich G: 3293  
Melo W: 2688  
Meloni T: 922  
Meltzer HY: 2689-2694, 2692, 3610  
Meltzer V: 326  
Melvin GR: 2693  
Melvin KE: 1454  
Mena Gomez MA: 2694  
Menard J: 908  
Menard JE: 3474  
Menard RH: 2695  
Mendlowitz M: 2181  
Mendoza SA: 3628  
Mendoza SP: 748  
Meng W: 2838, 4171  
Mennini T: 2696  
Menon C: 2697  
Menon KM: 175  
Merendino KA: 549  
Merino H: 1301  
Merino Moreno J: 3391  
Merk FB: 2316  
Merkatz IR: 1363  
Merker HJ: 2472  
Merkulova TI: 2698  
Mermillod B: 1928  
Merryman CF: 2786  
Mertelli MF: 2699  
Messa P: 1180  
Messiha FS: 2457, 2700  
Messner RP: 1423  
Mészáros C: 2701  
Metcalfe G: 2702  
Metcalfe MG: 2703  
Metz B: 2704  
Metz J: 115, 2705  
Metze H: 2706  
Meuli HC: 2707  
Meyer G: 2708  
Meyer JD: 1301  
Meyer JS: 2709  
Meyer P: 690  
Meyer V: 2707  
Meyers AM: 2710  
Meyers B: 2711  
Meyers CY: 861  
Mezzetti G: 2376  
Mialhe C: 2712  
Miasnikova GP: 2713  
Michael RP: 2714-2715  
Michalak E: 844  
Michel H: 1670  
Michel MC: 577  
Michel O: 461  
Michel R: 461  
Michelakis A: 1466  
Michelangelo VP: 2606  
Michell GF: 3049  
Michelsen H: 3255  
Michie W: 2716  
Michno MJ: 3833  
Micić R: 2717  
Mico Marzo JM: 1321  
Middleton WR: 783  
Mieczkowska J: 3877  
Miehle W: 2718  
Mielczarek H: 270  
Mieno M: 2719, 4402  
Mieville C: 2720  
Migdalska B: 1988  
Migliaccio G: 3159  
Mihatsch JM: 2038  
Mikami H: 3009  
Mikamo K: 1945  
Mikhailov Ium: 2721  
Mikhelashvili AE: 4119  
Miki N: 1960, 2722, 2762, 4234, 4396  
Miki S: 2628  
Miki T: 1437  
Mikić P: 4220  
Mikkelsen E: 2320  
Mikkelsen M: 86  
Mikulinski IuE: 2418  
Mikuni M: 850  
Mikuni T: 2723  
Milam DF: 296  
Milani A: 2914  
Milcu SM: 2724  
Milei J: 2725  
Miles JH: 2726  
Miletić V: 1463  
Miletić JP: 2727  
Mileto A: 3140  
Milewich L: 1723, 2535  
Milgrom E: 188, 2728  
Milhaud G: 2729

# AUTHOR INDEX

- Millar EA: 318  
 Millar JH: 65  
 Miller AB: 2730  
 Miller AL: 2731  
 Miller EJ: 3343  
 Miller ER: 4316  
 Miller HH: 1454  
 Miller JJ: 145  
 Miller KK: 4107  
 Miller LJ: 2732  
 Miller MA: 2733  
 Miller PD: 1419  
 Miller RJ: 3516  
 Miller WC: 279  
 Miller WR: 2734, 3232  
 Millhouse OE: 2735  
 Milliez P: 1750  
 Milliez PL: 3474  
 Millman WL: 2736  
 Milne FJ: 2737  
 Milne J: 2738  
 Milner JA: 50  
 Milner JS: 2344  
 Milogradova GP: 1084  
 Milojevic S: 1625  
 Milone M: 2739  
 Milov VG: 2661  
 Milstein C: 3885  
 Milutinovic S: 2394  
 Mimaki T: 3931  
 Mimran A: 2740  
 Mims RB: 2741-2742  
 Minakuchi H: 3492  
 Minami K: 2875  
 Mineo S: 2875  
 Minetti C: 789  
 Minick S: 907, 1505, 2398  
 Mink JH: 286  
 Minns G: 2743  
 Minton JP: 4279  
 Mir R: 154  
 Miranda C: 2744  
 Mirell C: 289  
 Mireyless SE: 3927  
 Mirkov K: 2745  
 Mirocha CJ: 2059  
 Miroshnichenko AG: 3693  
 Mirourze J: 2781  
 Misefari M: 2538  
 Mishell DR Jr: 984, 2104  
 Mishra BN: 3104  
 Mishra RK: 2746, 4019  
 Misiani R: 3332  
 Miskin M: 2747  
 Misra RN: 2748  
 Misra RS: 1755  
 Misra V: 2748  
 Mital MA: 3015  
 Mitani H: 2749, 2808  
 Mitchell ED: 2750  
 Mitchell MD: 236, 2751  
 Mitnick J: 3120  
 Mitra MN: 2978  
 Mitrani N: 4124  
 Mitsuhashi T: 3679  
 Mitsuma T: 2752-2754, 4111  
 Mittal JP: 2755  
 Miura Y: 2756  
 Miwa S: 4403  
 Miyachi Y: 1969  
 Miyagawa M: 3032  
 Miyahara M: 1810  
 Miyai K: 2757-2758, 3537  
 Miyakawa I: 2759  
 Miyake M: 1947  
 Miyamae T: 1698  
 Miyamoto M: 2138  
 Miyashita M: 2760, 4392  
 Miyatake T: 1841  
 Miyauchi A: 2761  
 Miyazaki T: 3532  
 Miyazawa Y: 1960, 2722, 2762, 4234  
 Miyoshi A: 2086  
 Miyoshi F: 4425  
 Miyoshi I: 2763  
 Mizerska D: 474  
 Mizikova IZ: 431  
 Mizoguchi H: 121  
 Mizuchi A: 1969  
 Mizuguchi K: 2011  
 Mizuno Y: 2643  
 Mizutani A: 2764-2765  
 Mizutani S: 3032  
 Mizutani T: 2765  
 Mladinov G: 2766  
 Mlotowski T: 2963  
 Moamai N: 2767  
 Moatti JP: 2783  
 Moberg GP: 3371  
 Mochida Y: 1838  
 Mochizuki K: 1838  
 Model' AA: 2768  
 Modena S: 3167  
 Modlin IM: 2769  
 Moerman E: 1132  
 Moertel CG: 2366  
 Moffat G: 3237  
 Moffatt R: 4262  
 Mogilevich S: 1320  
 Mogil'nitskaia LV: 2770  
 Mohamed FH: 1510  
 Mohri M: 2771  
 Moja EA: 1248  
 Mok J: 2772  
 Mokeev NM: 295  
 Mokshin VE: 100  
 Moldofsky H: 513  
 Molinari M: 228  
 Moline C: 1714  
 Möller BB: 2143  
 Möller J: 3795  
 Möller L: 151  
 Möller M: 2773  
 Möller R: 621  
 Mollerach F: 2774  
 Møllgård K: 2775  
 Moloney WC: 1638  
 Momotuk CV: 1800  
 Monaco ME: 2776  
 Monaghan JC: 2987  
 Monahan M: 4130  
 Moncada S: 1670-1672, 2777, 4317-4318  
 Monciardini M: 220  
 Monden Y: 2619  
 Monduzzi M: 1484  
 Money J: 2778-2779  
 Monfette G: 4003  
 Monk M: 2780  
 Monnier L: 2781  
 Monro PP: 1782  
 Monserrat AJ: 2782  
 Montalbano DM: 3049  
 Montali U: 1296  
 Montalvo RL: 3242  
 Montastruc JL: 2783  
 Montastruc P: 191, 2783  
 Monteau R: 2784  
 Monteil H: 3563  
 Montello M: 548  
 Montemurro A: 2463  
 Montes HH: 3369  
 Montes JM: 998  
 Montes de Oca V: 75  
 Montessori GA: 59  
 Montgomerie JZ: 1304  
 Montgomery DA: 2045, 2489  
 Monti JM: 2785  
 Montorfano D: 596  
 Moodley G: 3168  
 Moore CF: 272  
 Moore DH: 2786  
 Moore G: 2787  
 Moore GW: 4341  
 Moore JA: 1946  
 Moore JO: 3456  
 Moore KE: 105, 1498, 2788  
 Moore L: 2789  
 Moore LG: 2790  
 Moore MA: 1565  
 Moore PH Jr: 3298  
 Moore R: 1022  
 Moore RN: 1421, 2791  
 Moore RY: 907, 2358  
 Moore TE Jr: 2792  
 Moore TJ: 986  
 Moore TN: 2596  
 Moores KD: 4346  
 Mora F: 2672  
 Morales CR: 2793  
 Moran ET Jr: 3812  
 Moran J: 2794  
 Moraru E: 1569  
 Moras ML: 84  
 Moravčíková Y: 2681  
 Morcos SR: 3  
 Mordovtsev VN: 1264  
 Moreau M: 1004, 2795  
 Morehouse DD: 1523  
 Morel F: 646  
 Morera AM: 156, 2796-2797  
 Moreton JE: 4066  
 Morgan AJ Jr: 2798  
 Morgan EH: 4346  
 Morgan JD: 4280  
 Morgan RO: 1984, 2580  
 Morgan T: 2799  
 Morgan-Hughes J: 2800  
 Morganti A: 2346  
 Morgenfeld MC: 3816  
 Mori K: 2887  
 Mori M: 2120, 2801-2802, 3990  
 Mori T: 1814-1815, 2085, 2803, 2880  
 Mori Y: 2856  
 Moriarty CM: 2804  
 Moriarty GC: 1558, 2805  
 Moriguchi O: 1810  
 Morii H: 3029, 3679  
 Morii K: 2806  
 Morimoto Y: 2807  
 Morin O: 2253  
 Morishima Y: 4422  
 Morishita H: 2808  
 Morisio Guidetti L: 2809  
 Morita I: 2856  
 Morita K: 1686  
 Morita R: 1277, 2168  
 Moriuchi S: 2965, 4094  
 Morley JS: 1045  
 Mormède P: 2810  
 Morozov IaA: 3079  
 Morozova TM: 2698  
 Morré DJ: 1402, 4436  
 Morris DH: 695, 3098  
 Morris G: 471  
 Morris J: 4361  
 Morrison J: 1429  
 Morrissey JJ: 2811  
 Morrissey RL: 2812  
 Morrow CP: 2104  
 Morselli PL: 2346  
 Mortara R: 2613  
 Morton DA: 2813  
 Morton DR: 1909  
 Morton HG: 1130  
 Morton JK: 4041  
 Moser K: 3601  
 Moser ME: 1401  
 Moses C: 2814  
 Moss AA: 2815  
 Moss J: 2816  
 Mostofi FK: 2817  
 Motashaw N: 2576  
 Motlik J: 1278  
 Motolese M: 2825  
 Motomatsu T: 708  
 Motylewska A: 1525  
 Moudgil VK: 2818  
 Moukhtar MS: 2729  
 Moulin MA: 2819  
 Mouren-Mathieu AM: 2331  
 Mous J: 1662  
 Mowszowicz I: 3550  
 Moxley RT III: 2820  
 Moy WW: 1462  
 Moyon BJ: 2821  
 Mozola V: 1702  
 Mpanias PD: 2327  
 Mroueh A: 1978  
 Mruk J: 3959-3960, 3960  
 Mruk K: 3963  
 Muacevic B: 3357  
 Mueller GC: 2822  
 Mueller MN: 2823  
 Mueller RA: 490-492, 2543  
 Muggia FM: 955, 2406  
 Mugglestone CJ: 803  
 Mühlbachová E: 657  
 Mühlendyck H: 2824  
 Muiesan G: 2825  
 Muir J: 393



# AUTHOR INDEX

- air JW: 2826  
 airhead EE: 1906, 2827  
 ukda Trishnananda: 2828  
 ukherjee R: 2829  
 ukhtar H: 2830  
 ukkur TK: 2831  
 ulder H: 2832  
 ulder J: 4324  
 ulder M: 4155  
 uldoon TG: 2833  
 ulivor RA: 2834  
 ullen YS: 1831  
 üller E: 4382  
 üller EE: 479, 746  
 üller F: 2835  
 üller FO: 1778  
 üller J: 3476  
 üller K: 2391  
 üller PK: 2654  
 üller RE: 2836, 4375  
 üller U: 2837-2838  
 üller-Oerlinghausen B: 2839-2840, 2840  
 üller-Tyl E: 3176  
 ullins CE: 1328  
 ullnix JA: 433  
 ulrow PJ: 3988  
 umenthaler M: 2841  
 unck A: 802  
 unday KA: 3784  
 undo Salvador A: 3251  
 undy GR: 2842-2843  
 ungiu OC: 2844  
 unn M: 59  
 unnell JF: 2540  
 ñóiz Villa A: 1415  
 unson D: 2693  
 inst GJ: 2845  
 inzenberg KJ: 2846  
 uradian KhK: 1263  
 urakami E: 2847  
 urakami M: 2848  
 urakami N: 2849  
 urakami S: 2850, 4422  
 urakami T: 4093  
 uramatsu S: 1828  
 urano T: 2851  
 urata T: 1962, 1991  
 urata Y: 3798  
 urav'ev IA: 2186  
 urdoch RN: 1790  
 urdoch WJ: 2852  
 urer H: 2070, 2853, 4112  
 urgaš M: 2119  
 uraldo G: 2627, 2854  
 uroga T: 2855  
 urota SI: 2856  
 urphy GP: 4233  
 urphy JT: 513  
 urphy RC: 1247  
 urray FA: 3619  
 urray FT: 3515  
 urray GM: 2857  
 urray RK: 4434  
 urthery VS: 4210  
 urzina NB: 4046  
 usial J: 3959-3960, 3960  
 usialik D: 2858  
 ussdorfer GG: 2666  
 uston HL: 2308  
 uta H: 3688  
 utorialik GS: 3174  
 uth EA: 1741  
 utton DE: 339  
 yers AR: 4284  
 yers GS: 460  
 yers PR: 407, 2859  
 yers RD: 2672, 2702, 2860, 3465
- N
- abeshima T: 1955  
 acheva E: 1200  
 adel EM: 258  
 adudvari Gh: 747  
 advorníková H: 2861  
 ajeje R: 2862  
 ag S: 2863  
 agai J: 2864  
 agai M: 1985  
 Nagaiah K: 1816  
 Nagamachi N: 2808  
 Nagano T: 3938  
 Nagaoka Y: 2880  
 Nagaraja TG: 2865  
 Nagarajan R: 1282  
 Nagasawa H: 2866  
 Nagase O: 2206  
 Nagashima Y: 2084  
 Nagata I: 1815  
 Nagata N: 2867  
 Nagataki S: 2868  
 Nagaya M: 1838  
 Nagayama H: 3968  
 Nagel W: 2869  
 Nagesh K: 3219  
 Nagovitsina AI: 3685  
 Nagy AE: 2870  
 Nagy E: 2871  
 Nahodil V: 2872  
 Naidoo PM: 20  
 Naimova TG: 937  
 Naito J: 2890  
 Naito S: 2013  
 Najar Origel S: 2873  
 Najer A: 4376  
 Najera IS: 2874  
 Najjar VA: 3577  
 Nakaebisu H: 1410  
 Nakagawa K: 2875  
 Nakago K: 2808  
 Nakahara K: 2619  
 Nakahara T: 1851, 2876  
 Nakai T: 2877  
 Nakai Y: 293, 1826  
 Nakajima H: 1837  
 Nakajima K: 1814-1815  
 Nakajin S: 3686  
 Nakajo M: 1698, 2878-2879  
 Nakamura E: 3968  
 Nakamura K: 2880  
 Nakamura M: 1174, 2881, 3677  
 Nakamura R: 3485, 3522  
 Nakamura T: 1985, 2882, 3940  
 Nakane M: 2883  
 Nakane P: 1287  
 Nakane PK: 2884  
 Nakane T: 1938  
 Nakanishi Y: 1846  
 Nakano R: 2885  
 Nakano S: 2886  
 Nakano Y: 1570  
 Nakao K: 1826  
 Nakaoka K: 2619  
 Nakashima M: 1599, 2887  
 Nakayama H: 2888  
 Nakayama K: 1002, 2889  
 Nakayama M: 2759  
 Nakayama R: 1437  
 Nakazawa M: 2890  
 Nalda MA: 2891  
 Nalda Felipe MA: 824  
 Namba K: 2897  
 Nambara T: 2984  
 Nanba O: 3974  
 Nance DM: 2500  
 Nandi M: 2892  
 Nandi S: 1089, 2893, 3347  
 Naneishvili TL: 2894  
 Nanjo S: 2880  
 Nanu L: 2895  
 Napalkov NP: 2896  
 Naparstek Y: 1987  
 Narbaitz R: 1933  
 Nardi MA: 1974  
 Narimov M: 1833  
 Narita M: 2897  
 Narkiewicz O: 2898  
 Nash AG: 3786  
 Nash-Adler P: 2449  
 Nasjletti A: 764  
 Naslońska E: 1980  
 Nasseth D: 1550  
 Nasteviski K: 4167  
 Natarov VV: 2899  
 Nathanielsz PW: 3889  
 Nathanson L: 921  
 Naugol'nykh EZ: 2900  
 Nauman J: 2060  
 Naumczyk-Zaremba J: 2901  
 Naumenko EV: 2902  
 Navarro Rizo JL: 2903  
 Navrátil S: 2904-2905  
 Nayar U: 2829  
 Nayler WG: 1036-1037, 1171  
 Naylor RJ: 600  
 Neal GE: 2906  
 Neal RA: 267  
 Neale JH: 231  
 Neaves WB: 235  
 Nechama H: 2907  
 Nechifor M: 2844  
 Neckers LM: 2908  
 Nedeljković V: 211, 4221  
 Nedvidková J: 1160-1161, 2909  
 Neeb S: 2910  
 Needleman P: 2911, 4102  
 Neef G: 330  
 Neenan JP: 1755  
 Neff NH: 2908  
 Negishi M: 1571  
 Negoescu I: 773, 2912  
 Negri F: 479  
 Negulesco JA: 2913  
 Neher R: 2914  
 Neidhardt A: 219-220  
 Neidhardt B: 1592-1593  
 Neiko EM: 2915  
 Neill DB: 2916  
 Neimann N: 3041  
 Nekrasov Pl: 3501  
 Nelsetuen GL: 2917  
 Nelson DH: 3452  
 Nelson DS: 2583  
 Nelson GA: 2918  
 Nelson JK: 2488  
 Nelson K: 2080  
 Nelson L: 2919  
 Nelson ML: 2920  
 Nelson NA: 1909  
 Nelson PK: 1934  
 Nelson TE: 2921  
 Nelson V: 1824  
 Nelson W: 3792  
 Nemato K: 1571  
 Némec J: 4453  
 Nemeroff CB: 625, 2922, 3227  
 Nemes A: 350  
 Nemeskeri A: 1136  
 Németh S: 1147  
 Némethová V: 2923  
 Nemoto H: 1687  
 Nenci I: 2924  
 Neri G: 2666  
 Nerlo H: 2925  
 Nesheim BI: 2926  
 Nesterov N: 2927  
 Nestler EJ: 2928  
 Netto CF: 845  
 Netz P: 2929  
 Neufeld AH: 2930  
 Neuhoff J: 4030  
 Neumann F: 3638  
 Neuwirth M: 2931  
 Neville AM: 782, 1082, 3786  
 Nevo S: 2932  
 New MI: 2356  
 Newby AC: 2933  
 Newby RF: 466  
 Newcomb GM: 1981  
 Newham HC: 4314  
 Newsom-Davis JM: 1777  
 Newton LD: 1643  
 Newton M: 663  
 Nguyen BL: 3116  
 Nguyen NU: 441  
 Nguyen TM: 1113  
 Niarchos AP: 2934  
 Nicholas TE: 2464  
 Nichols BL: 2935  
 Nichols DH: 2936  
 Nichols VN: 2935  
 Nicholson GF: 625  
 Nicholson ML: 2937  
 Nicholson WE: 2513  
 Nicolaidis S: 2938  
 Nicolaou KC: 2580, 3086-3087  
 Nicoll R: 1505  
 Nicolson GL: 2939  
 Niculescu D: 2306

# AUTHOR INDEX

Nielsen AH: 3351  
 Nielsen J: 185, 2940, 3825  
 Nielsen NO: 1564  
 Nielsen RL: 1609  
 Nielubowicz J: 1988  
 Niemegeers CJ: 768  
 Nieminen MS: 2941  
 Nienhuis AW: 2942  
 Niepomniszcze H: 2943  
 Nies KM: 2484  
 Nieschlag E: 2105  
 Nieuwenhuizen W: 4150  
 Niewenhuis RJ: 2944  
 Niewiadomska A: 221  
 Nihei N: 2945  
 Nikkanen V: 2946  
 Nikles A: 780  
 Nikolić Lj: 832  
 Nikolova-Kitova DB: 218  
 Nillius SJ: 2947-2948  
 Nilnophakoon N: 2949  
 Nilsson U: 118  
 Nilsson BA: 171  
 Nilsson BS: 2950  
 Nilsson CG: 2951  
 Nilsson F: 1474  
 Nilsson G: 1719, 2952, 3599  
 Nilsson O: 2953  
 Nimitkitpaisan Y: 2954  
 Ninomiya I: 2123  
 Nir I: 2955  
 Nisam M: 237  
 Nishi N: 2175  
 Nishikawa M: 1829, 2956, 4242  
 Nishikawa T: 2217  
 Nishimoto M: 55  
 Nishimura K: 3651  
 Nishinara S: 1686  
 Nishino H: 2957  
 Nishio J: 3532  
 Nishiwaki H: 4422  
 Nishiwaki K: 3968  
 Nishizuka Y: 2085, 2958  
 Nissen-Meyer R: 3508  
 Nisticò G: 624, 2959  
 Nitecka L: 2960  
 Nivelon JL: 2961  
 Niyogi SK: 3639  
 Nizankowski R: 1496, 3959-3960  
 Niznikiewicz J: 2962-2963  
 Nizzo MC: 2627  
 Nobbe F: 130  
 Nobin A: 2964, 4328  
 Noczyński L: 364  
 Noda S: 2965  
 Noe JM: 2966  
 Noël B: 310, 379, 3122  
 Noel EP: 1142  
 Noff D: 2907  
 Noffsinger GR: 2967  
 Nogales FF Jr: 3065  
 Nogami H: 3058  
 Noguchi A: 2968  
 Nolan JC: 2969  
 Noltén WE: 2970  
 Nony CR: 2971  
 Nooijen WJ: 4150  
 Noonan M: 2194  
 Noordhoek J: 2972  
 Noppe M: 2455  
 Nørbjerg M: 3795  
 Norcross K: 2973  
 Nordenberg J: 288  
 Nordenskjöld B: 1520, 3031  
 Nordin BE: 2974  
 Nordmann JJ: 2975  
 Norero C: 2976-2977  
 Norman AW: 709, 2978  
 Norman MR: 2979  
 Norman RA Jr: 900  
 Norman RL: 670  
 Norris HJ: 1971  
 Northrup TE: 1013  
 Nortjé CJ: 2980  
 Noselidze AG: 2894  
 Notelovitz M: 2981, 4089  
 Noth R: 3988  
 Nottet MF: 2982  
 Nouel JP: 3590  
 Nouguié-soulé J: 3954-3955

Novikov BG: 1327, 2983  
 Novotny M: 2621  
 Nowlin NS: 2743  
 Nowotny P: 1651  
 Noyek AM: 1469, 2747  
 Numazawa M: 2984  
 Nussbaum M: 3666  
 Nussberger J: 273  
 Nussenzweig V: 1173  
 Nyborg H: 185  
 Nyby J: 2985  
 Nystrom P: 3193

## O

Oakley NR: 2986  
 Oates HF: 2987, 3896, 4277  
 Oates JA: 2113, 2988  
 Obata T: 1272  
 Obata Y: 2989  
 Ober M: 1345  
 Oberfield SE: 2356  
 Oberleithner H: 2990  
 Obidoo O: 2991  
 Obika LF: 2992  
 Obika M: 2993  
 Obradović D: 832  
 O'Brien JR: 2994  
 O'Brien P: 766  
 O'Brien PM: 3188  
 O'Brien SJ: 1093  
 O'Brien WJ: 3239  
 O'Broin A: 1031  
 Ocetkiewicz A: 1495  
 Ochiai C: 1744  
 Ochodnická E: 2681  
 Ockelford P: 2697  
 O'Connell DJ: 2995  
 O'Connor J: 1205  
 O'Connor MD: 1244  
 O'Connor MK: 2996  
 Oda N: 3942  
 Oddie CJ: 4257, 4347  
 Odelberg-Johansson O: 1365  
 Odell WD: 1624  
 Odne MA: 2997  
 O'Donohue TL: 817-818, 2998  
 Odor DL: 3455  
 Oduori ML: 1476  
 Oehlschlager AC: 3181  
 Oeller G: 2318  
 Oelz O: 2113  
 Oettel M: 2999-3000, 3000-3001  
 Offerhaus L: 3002  
 O'Flanagan PH: 4246  
 Ofner P: 2316  
 Ofuji T: 1761  
 Ofuzi T: 3003  
 Ogata E: 3004  
 Ogata K: 2021, 4422  
 Ogata T: 2229  
 Ogawa K: 3005  
 Ogawa M: 3006  
 Ogawa N: 3007  
 Ogawa Y: 4428  
 Ogihara T: 2123, 3008-3009  
 Ogilvie ML: 1924  
 Ogilvie RI: 3010  
 Ogino T: 3011  
 Ogorodnikova LS: 2087  
 Ogren SO: 1292, 2133  
 Ogunbode O: 3012  
 Ogura Y: 3013-3014  
 Oguri K: 1732  
 Oh WH: 3015  
 Ohama K: 1945  
 Ohashi T: 4425  
 Ohba S: 3016  
 Ohguro T: 3522  
 Ohhashi T: 3017  
 Ohl Y: 2878  
 Ohkawa T: 3018  
 Ohkuri K: 1858  
 Ohlson DL: 888  
 Ohman L: 3019  
 Ohman S: 3822  
 Ohman U: 3020  
 Ohme E: 2999-3000, 3000  
 Ohnhaus EE: 3021

Ohnishi A: 2850  
 Ohno K: 1810  
 Ohno R: 4422  
 Ohst IM: 1260  
 Ohtsuki K: 3022  
 Oishi K: 4092  
 Oishi M: 1829  
 Ojasoo T: 3023  
 Ojeda SR: 95, 2479  
 Oka M: 1984, 3024, 3522  
 Okabe S: 1991, 3025  
 Okada F: 850  
 Okada H: 4231  
 Okada T: 1810  
 Okada Y: 3026-3027  
 Okamoto K: 3677  
 Okamoto S: 3028  
 Okamoto T: 2806, 3029  
 Okamura WH: 2978  
 Okey AB: 3030  
 Oki S: 1826  
 Okkens AC: 3425  
 Okret S: 1520, 3031  
 Okuda H: 2639  
 Okumura M: 3524  
 Okuno F: 1840  
 Okuno T: 1815  
 Okuyama A: 3032-3037  
 Okuyama T: 3038  
 Olczak S: 3039  
 Oldenkamp EP: 4148  
 Oldham JD: 3040, 3868  
 Oldham RK: 3349  
 Oledzka R: 1329  
 Oleinik VA: 3394  
 Olesen H: 3597  
 Oleszczuk J: 4478  
 Olfert E: 4262  
 Olive D: 3041  
 Oliver IT: 976  
 Oliver J: 1031  
 Oliver JA: 1642  
 Oliver JM: 3042  
 Oliveras JL: 345, 1568  
 Oliverau M: 3043-3044  
 Oliveros JC: 3045  
 Olivos P: 1320  
 Olney JW: 3234  
 Olsen J: 443  
 Olsen KJ: 3046  
 Olsen S: 3047  
 Olsen UB: 3048  
 Olson DL: 3856  
 Olson GA: 3049  
 Olson RD: 3049  
 Olszewski B: 3707  
 Olund A: 3050  
 Olvera S: 3505  
 O'Malley BW: 3585  
 O'Mara RE: 3051  
 Omata S: 1841  
 Omiecinski CJ: 3052  
 Omini C: 342, 3053  
 Ondrusek MG: 491  
 O'Neill GJ: 2356  
 Oniki S: 3054  
 Onimus R: 4189  
 Onions DE: 3055  
 Onishi T: 2218  
 Ono M: 2806  
 Ono Y: 2867  
 Onodera M: 3492  
 Onoyama K: 3524  
 Ontjes DA: 3056  
 Onuigbo WI: 3057  
 Oohira A: 3058  
 Oohmura I: 1858  
 Ookubo T: 2536  
 Oparil S: 839, 2970  
 Opava-Stitzer S: 2608  
 Ophir M: 3059  
 Opolski G: 2185  
 Oprescu M: 857-858, 3713  
 Opsahl CR: 3224  
 Orci L: 4024  
 Order S: 1214  
 O'Regan S: 3060  
 Oreopoulos DG: 3350  
 Orgiazzi J: 3429  
 O'Riordan JL: 613, 3088



# AUTHOR INDEX

Orlov AI: 1407  
 Orlov SN: 3061  
 Orlova AI: 2081  
 Orłowski J: 351  
 Orłowski T: 3062  
 Orme ML: 182  
 Ormotsadze LG: 2505  
 Oron Y: 3063  
 Oronsky AL: 2969  
 Orr LS: 3072  
 Orr PS: 158  
 Orr W: 2842  
 Orrenius S: 554  
 Ortavant R: 3064  
 Ortega I: 3065  
 Ortiz E: 2337  
 Ortiz Berrocal J: 1316, 2584  
 Osa T: 3066  
 Osada E: 3987  
 Osada Y: 3067  
 Osadchaia TI: 3068  
 Osanai H: 1053  
 Osawa Y: 301  
 Osborn D: 3069  
 Osborn M: 1243  
 Osborn TW: 2978  
 Osbourne GK: 3070  
 Osegawa M: 1959, 1965  
 Oseko F: 2019  
 Osemlak J: 3071  
 Osher RH: 3072  
 Oshima K: 3073  
 Oshima S: 2619  
 Osipov VV: 3074  
 Osman DI: 3075  
 Osmundsen PE: 31  
 Osswald H: 3838  
 Ost LG: 1513  
 Ostapenko NN: 128  
 Ostashevskaja MI: 2114, 2307  
 Oster G: 3981  
 Oster P: 1537  
 Osterman J: 3076  
 Osterman PO: 2629  
 Ostler HB: 3077  
 Ostör AG: 3078  
 Ostrovskii NS: 3079  
 Otawara Y: 4094  
 Othersen HB: 2596  
 Othmer E: 3194  
 Otne B: 4106  
 Otten U: 1604  
 Otto HF: 3080  
 Overstreet JW: 3081  
 Overturf ML: 2077  
 Owczarczyk I: 4462  
 Owen F: 815  
 Owen LN: 3055  
 Oxenkrug GF: 3082  
 Oyama T: 2536, 3083, 3977  
 Oza NB: 3615  
 Ozasa T: 2808  
 Ozawa K: 3073  
 Ozawa Y: 3522

## P

Paavola LG: 3084-3085  
 Pabst HW: 2281  
 Pace-Asciak CR: 3086-3087  
 Pacheco H: 3296  
 Pacholuk V: 3671  
 Pacovsky V: 511  
 Pacyńska M: 3203  
 Padilla GM: 2065  
 Padovani R: 225  
 Pagani M: 3267  
 Page CM: 3088  
 Page ED: 2930  
 Page R: 1309  
 Page RB: 3089  
 Pageault G: 219  
 Paglietti E: 3266  
 Paigen K: 2474  
 Paina S: 588  
 Pairault J: 2353  
 Paiva HJ: 2341  
 Pakula A: 3090  
 Pal SB: 2187

Palade GE: 3714  
 Palatynski A: 3091  
 Pal'chikova NA: 3806  
 Palem-Vliers M: 2332  
 Palińska-Weese Z: 2146  
 Palisi F: 241  
 Palkovits M: 77, 3092, 4327, 4439  
 Pall ML: 3409  
 Pallencaoe AH: 143  
 Pallotti S: 3093  
 Palmblad J: 134  
 Palmer EG: 3094  
 Palmer GC: 179, 3095-3097  
 Palmer JF: 2442  
 Palmer MR: 3098  
 Palmer PE: 3099  
 Palmer SJ: 3095-3096, 3096-3097  
 Palmieri G: 3100  
 Palmiero L: 501  
 Palomba R: 3614  
 Paloyan E: 3238  
 Pambuccian G: 2571  
 Pamich G: 3101  
 Panaiotov D: 3102  
 Pańczyk T: 4478  
 Pang CC: 3103  
 Pang PK: 201, 3541  
 Panigrahy GK: 3104  
 Pankov AK: 3776  
 Pansky B: 3105  
 Pant HC: 3106  
 Pantiushenko TA: 54  
 Panu R: 3100  
 Paolucci D: 3093  
 Papapoulos SE: 613, 3088  
 Papazov B: 3107  
 Papić R: 211  
 Papkoff H: 2380  
 Papo I: 2717  
 Pappas CT: 3108  
 Paradiso M: 4444  
 Parantainen J: 4156  
 Parbtani A: 3109  
 Pardee NE: 4346  
 Pardo Y: 4232  
 Pareello J: 1018  
 Parenti M: 1484  
 Parin I: 1310  
 Paris D: 1296  
 Pařízek M: 2204  
 Park DC: 4353  
 Park NH: 1311  
 Parker CR Jr: 2535  
 Parker D: 1877-1879, 2564  
 Parker DS: 1914  
 Parker JM: 2733  
 Parker VH: 52  
 Parkes JD: 3235  
 Parks TP: 3110  
 Parli CJ: 3111  
 Parmeggiani PL: 3112  
 Parnham MJ: 437  
 Parra JB: 2078  
 Parrillo JE: 3113  
 Parsa I: 573  
 Partanen S: 3114  
 Parthemore JG: 907  
 Partlow LM: 4248  
 Partscheveld M: 102  
 Parvinen M: 2946  
 Pasanen A: 3115  
 Pasargiklian R: 3053  
 Paschoal Filho A: 3605  
 Pashchenko AE: 3187  
 Pasqualini JR: 3116  
 Passarge E: 3117  
 Passavy-Trouche AM: 2961  
 Passian S: 3190  
 Pastan I: 90, 2789  
 Pasteels JL: 1287  
 Pastor P: 3828  
 Pastoriza-Muñoz E: 3118  
 Pasyk S: 3909  
 Pataccini R: 2696  
 Pateisky K: 3142  
 Patek E: 3119  
 Patel D: 3120  
 Patel TJ: 735  
 Patel U: 537  
 Paterson JR: 2044

Pathre SV: 2059  
 Patnaik BK: 3104  
 Paton WD: 3282  
 Patrick J: 1461  
 Patrick JE: 14, 4289  
 Patrick TB: 3952  
 Patterson DS: 3695  
 Patterson JH: 3449  
 Patterson LE: 3121  
 Pattou E: 3427  
 Paty J: 3122-3123  
 Paul DP: 517  
 Paul E: 1820  
 Pauley RJ: 3124, 4212  
 Paulissian R: 3125  
 Paulson GW: 3126  
 Paumgartner G: 3127  
 Pavan-Langston D: 3128  
 Pavelić K: 3129  
 Pavlica P: 606  
 Pavlík L: 2141  
 Pavlok A: 1278  
 Pavlovsky S: 3816  
 Pawelski S: 4482  
 Pawlaczek B: 3130  
 Pawlicki R: 3131  
 Pawlikowski M: 3883  
 Paxinos G: 1898, 2311  
 Paxton AM: 4370  
 Payet MD: 3132  
 Payne JT: 2487  
 Pazoles CJ: 3208  
 Pchelenko LD: 3133  
 Peach MJ: 17  
 Peachey L: 2074  
 Peachey RD: 564  
 Peacock TA: 3134  
 Peake GT: 1423, 3548  
 Peakman DC: 1646  
 Pearce RB: 3135  
 Pearse AG: 3136  
 Pearson OH: 505, 3137  
 Peart WS: 1427, 2429, 3138  
 Peavy GM: 3484  
 Peay LA: 2916  
 Peck DR: 3139  
 Peck EJ Jr: 726, 2731  
 Pecora P: 3140  
 Peddicord O: 2457  
 Pedersen BN: 3597  
 Pedersen CB: 3824  
 Pedersen EB: 2159  
 Pedersen M: 3597  
 Pedersen RS: 2158  
 Pedini G: 3141  
 Pedretti E: 603  
 Pedrinelli R: 3498  
 Peduto VA: 1465  
 Peetermans ME: 896  
 Peeters B: 1662  
 Pegorier JP: 1172  
 Pehamberger H: 3142  
 Pejovic MH: 1208  
 Pekonen F: 2550  
 Pekur SV: 3143  
 Pelikán J: 1544  
 Peliukpashidi NI: 3144  
 Pelkonen R: 2941, 3145  
 Pelletier G: 951, 3146  
 Pelletier J: 3064  
 Pelozo C: 2793  
 Peluso J: 788  
 Peña J: 1665  
 Pencea V: 2305-2306  
 Pendleton RG: 3147  
 Peng MT: 1770  
 Peng TC: 3148  
 Pengelly CD: 3149  
 Penney DP: 3655  
 Penning TM: 3784  
 Pennington JE: 3150  
 Pensky J: 2173  
 Pento JT: 3151  
 Pentreath VW: 3152  
 Peoples WM: 58  
 Pepe A: 500  
 Pepper B: 2285  
 Pepple JM: 3732  
 Peracchi M: 814  
 Perani G: 3141

# AUTHOR INDEX

- Pereira GR: 1343  
Pereira Filho RA: 3190  
Pereslegin IA: 3153  
Perevalov GM: 1135  
Perez CA: 3154  
Pérez-Clavier R: 3155  
Pérez-García A: 1321  
Pérez-Infante V: 1168  
Pérez Oteiza C: 3313  
Perez-Polo JR: 3156  
Pérez Reiner R: 136  
Periti M: 1108  
Perk K: 4463  
Perkin GD: 1777  
Perlia C: 1542  
Pernot C: 3157  
Pernow B: 1719  
Perolo F: 4450  
Perper JA: 2216  
Perrin C: 2854  
Perrin JC: 1710  
Perrone G: 1108  
Perrot B: 3157  
Perry KW: 1281  
Perry SV: 4281  
Peryshkova TA: 3158  
Peschle C: 3159  
Peskár BA: 99, 3160  
Pessacq MT: 1300  
Peter KH: 1449-1450  
Peter RE: 3161  
Peterlik M: 2134, 3162  
Peters A: 471  
Peters F: 3163  
Peters H: 1680, 1718  
Peters TJ: 3164, 3612  
Petersen VP: 2159  
Peterson DM: 3298  
Peterson ER: 804  
Peterson JE: 3165  
Peterson LN: 1027  
Peterson RE: 1561  
Petit A: 2961  
Petit R: 1865  
Petite JP: 3175  
Pétlak O: 2962  
Petráň J: 337  
Petrank J: 2955  
Petres J: 3166  
Petrescu G: 1607  
Petriashvili NV: 4163  
Petrone S: 3238  
Petronio R: 3167  
Petrova GV: 943  
Petrović S: 4220  
Petrovický P: 2620  
Petrusha GN: 1795  
Pette D: 3592  
Petter F: 2254  
Pettersson G: 2469  
Pettersson K: 2169, 2453  
Pettifor JM: 532, 3168  
Petty BG: 3169  
Pevet P: 3170  
Pevzner LZ: 2770  
Peyton JC: 3171  
Pezonaga Pérez L: 136  
Pfaffenberger CD: 3172  
Pfeiffer EF: 2187  
Pfirman RW: 516  
Pflueger AB: 737  
Pfueller SL: 3173  
Phadke MA: 3174  
Phadke MV: 3174  
Phalen RF: 1079  
Phang JM: 2174  
Phat VN: 3175  
Phelps HM: 2048  
Philibert D: 3308  
Philip J: 689, 3861  
Philipp K: 3176  
Philippe M: 28-29, 1023  
Philippu A: 3177  
Philips FS: 3229  
Phillips KD: 1755  
Phillips AG: 1182  
Phillips AT: 3178  
Phillips CA: 3179  
Phillips I: 4114  
Phillips JP: 2413  
Phillips M: 3368  
Phillips MI: 1139, 1709  
Phillips RW: 1684  
Phoenix CH: 3180  
Piafsky KM: 3010  
Piattelli A: 1442  
Piau JP: 1202  
Pickard DW: 613  
Pictet RL: 1581  
Piczon O: 212  
Piegnoux-Deville J: 2509  
Piekarski G: 138  
Pielka E: 4467  
Piepho RW: 1254  
Pieraccioli E: 1465  
Pierce HD Jr: 3181  
Pierce JM: 1777  
Pieri L: 872, 2036  
Pieri M: 872  
Pierides AM: 3182  
Pierluissi J: 594  
Pieroni RR: 4231  
Pietoń R: 3959-3960, 3960  
Pietra R: 3468  
Pietrek J: 2140, 3183-3185  
Pietrzak M: 2178  
Piette LH: 2262  
Pike JW: 3186  
Pikett BW: 1908  
Pilarski LM: 25  
Piliavskaja LD: 3187  
Pilkington G: 3237  
Piloni V: 1336  
Pimstone B: 324  
Pinals RS: 1074  
Pines AG: 2768  
Pinkel D: 3720  
Pinkhas J: 1383  
Pinsky A: 1372  
Pioch Y: 1357  
Pipeleers DG: 3637  
Piper PJ: 1100, 2364  
Piperinos GD: 2419  
Pipkin FB: 3188  
Pirani BB: 3189  
Pires WR: 3190  
Pirio MR: 2978  
Pirke KM: 3191  
Pîrvănescu L: 3213  
Pisarev MA: 2097  
Pitcher-Wilmott RM: 893  
Pitlich S: 1383  
Pitlick FA: 1384  
Pittman QJ: 411  
Pitts BJ: 3192  
Piva F: 450  
Pivorun EB: 4244  
Pivovarov VN: 1986  
Piyakalamala S: 2689  
Pizer LI: 3193  
Piziak VK: 3194  
Pizzella F: 3159  
Pizzolato P: 2389  
Pješćak M: 1464  
Pkhaldze LA: 4164  
Plagemann PG: 4358  
Plaitakis A: 3195  
Plakhuta-Plakutina GI: 3196  
Plamieniak Z: 278  
Plant TM: 293  
Plas-Roger S: 2523  
Plas-Roser S: 1603  
Plassche WM Jr: 2485  
Platonova VI: 2214  
Platt CM: 1589  
Plattner H: 2644  
Platz RD: 2679  
Plaude OO: 261  
Player TJ: 3197  
Playne MJ: 3198  
Plein JB: 3199  
Plekhoa EI: 3200  
Plesskaia TN: 2548  
Pliška V: 3201  
Plöen L: 3075  
Plot DW: 3202  
Plotnick LP: 4344  
Plotnikoff NP: 800  
Pluss RG: 89  
Podemski R: 3203  
Podoshin L: 3204  
Poenu A: 2571  
Poffenroth L: 4249  
Pohl W: 3205  
Pohl-Rüling J: 1200  
Poindexter AN: 3206  
Poirier LJ: 866  
Pokarzhevskii AD: 1836  
Pokrovsky AA: 660  
Pokudin NI: 3061  
Poli L: 3498  
Poliak MG: 3806  
Pollack MS: 2356  
Pollard H: 3207  
Pollard HB: 3208  
Pollare T: 1919  
Pollet JE: 2716  
Polloni G: 1170  
Polo G: 3209  
Polushkina EF: 1796  
Polyakov EL: 688  
Poma S: 3267  
Pomerantz AH: 4367  
Pomerantz K: 3210  
Ponsin G: 3429  
Pool GL: 2344  
Poole AR: 898  
Poon MC: 4290  
Pop A: 773  
Popescu HI: 3211  
Popkin MK: 1552-1553  
Poplavskii KE: 1430  
Popov AP: 46  
Popov EA: 1800  
Popov NV: 4215  
Popova AA: 3697  
Popovichenko NV: 679, 3212  
Popovici D: 3213  
Porch P: 4372  
Porta EA: 2782  
Porte D Jr: 1398  
Porter GS: 3214  
Porter JC: 235, 2533  
Porter KJ: 4297  
Portlock CS: 3410  
Porzegowski M: 474  
Posadas C: 3504-3505  
Posner BI: 793  
Post S: 3215  
Postnov IuV: 3061  
Posyachinda M: 1291  
Potin VV: 2713  
Potokar M: 3216  
Potsaid MS: 150  
Potter RL: 3217  
Potts JT Jr: 3218, 3412  
Poulain DA: 1046  
Poulose KP: 3219  
Poulsen D: 3386  
Poulsen HS: 3220  
Pour P: 3221  
Pourquier H: 4132  
Pousette A: 1519  
Poutrel B: 3222  
Pouysségur J: 90  
Powell D: 3761-3762  
Powell WS: 3223  
Power GG: 4329  
Powles TJ: 3786  
Powley TL: 3224  
Pozer N: 4452  
Prader A: 2356  
Pradhan TK: 811  
Prager P: 3225  
Prakhya BM: 4173  
Pramanik BN: 456  
Pranchev N: 3107, 3226  
Prange AJ Jr: 3227  
Prasad N: 3228  
Prasad R: 3228  
Prasad S: 3154  
Prato A: 3546  
Pratt DW: 946  
Pratt JH: 2438  
Pratt WB: 570  
Prema K: 3229  
Prémont J: 4000  
Prentice CR: 3070  
Presant CA: 3230  
Presbury DG: 3231



# AUTHOR INDEX

Prescott B: 2594  
 Prescott RJ: 3232  
 Presl J: 3233  
 Pressior R: 2263  
 Preston FE: 348  
 Preuss LE: 426  
 Preželj J: 2126  
 Přibyl T: 3586-3587  
 Price H: 496  
 Price JL: 1535  
 Price MT: 3234  
 Price P: 3235, 3566  
 Price RJ: 52  
 Price TR: 3236  
 Priest JH: 3449  
 Priestnall R: 3237  
 Printz MP: 3110, 3757  
 Prinz RA: 3238  
 Priola DV: 3239  
 Pripstein S: 867  
 Probst C: 1787  
 Probst KJ: 3240  
 Procsal DA: 2978  
 Prokopenko VE: 295  
 Prokudina EA: 3241  
 Prorokova VK: 2713  
 Prosnitz LR: 3242  
 Prószyńska-Kuczyńska W: 3461  
 Protais P: 3603  
 Prout GR Jr: 3243  
 Proye C: 640, 3244-3245  
 Pruett KA: 3246  
 Przewlocki R: 3247  
 Przybyla AE: 1581  
 Przybyszowski A: 3248  
 Publicover SJ: 3249  
 Puchalski Z: 3250  
 Puche RC: 2424  
 Puche Cañas E: 3251  
 Puder M: 2955  
 Puente Cuevas M: 1168  
 Puett D: 140, 3252  
 Puffer HW: 1034  
 Puig-Antich J: 3253  
 Puig Fuente JE: 1605  
 Puijk WC: 3771  
 Pulido OM: 3254  
 Pumarino H: 3255  
 Punetha JC: 1374  
 Punjabi J: 1925  
 Punnonen R: 2453  
 Pupek-Musialik D: 3256-3257  
 Purandare VN: 2576  
 Purdon GE: 195  
 Puri CP: 3369  
 Purohit V: 3258  
 Purves D: 3259  
 Puşcaş I: 3260  
 Pust R: 4282  
 Putievskaja IA: 3261  
 Putney JW Jr: 3262  
 Putz G: 3745  
 Puurunen J: 3263  
 Pycock CJ: 626-627, 3264  
 Pyle RL: 433

## Q

Quabbe HJ: 3265  
 Quagliariello E: 1387  
 Quaglino D: 2657  
 Quarantotti BP: 3266  
 Quarti-Trevano GM: 3267  
 Querleu D: 901  
 Quesada T: 2429  
 Quik M: 3268  
 Quilici N: 1138  
 Quintero E: 1247  
 Quiróz-Jiménez: 3395  
 Qureshi AA: 3269  
 Qureshi TA: 3270

## R

Rabah E: 2080  
 Rabau M: 3059  
 Rabenantoandro C: 3271  
 Rabinovich S: 3350

Rabinowitz D: 3252  
 Rabinowitz R: 3272  
 Raboch J: 3273  
 Racagni G: 1484  
 Rache D: 3606  
 Rachelefsky G: 2049  
 Rachev RR: 3274  
 Rachmilewitz D: 3275  
 Rachmilewitz EA: 2275  
 Radal M: 1357  
 Radić A: 832  
 Radichevich I: 2934  
 Radó JP: 3276  
 Radwanska E: 2497  
 Ragab MI: 3277  
 Ragan CM: 3278  
 Raggatt PR: 2351  
 Ragni N: 603  
 Rahamimoff H: 3279  
 Rahamimoff R: 3280  
 Rahmsdorf HJ: 3281  
 Rai KS: 2588  
 Raiko TE: 430  
 Raine JM: 3282  
 Raionov A: 3283  
 Raitses VS: 3284  
 Raitta C: 1636, 3145  
 Rajakariar R: 894  
 Rajalakshmi M: 3285  
 Rajan A: 3848  
 Rajan KS: 3286  
 Rajan R: 3287-3288, 3288  
 Rajani U: 1925  
 Rajarajeswari G: 3289  
 Rajasekarasetty MR: 2221  
 RajBhandary UL: 1379  
 Rajdev N: 3290  
 Rajewski F: 3257  
 Rajka G: 31  
 Rak Y: 2124  
 Rakitskaia VV: 1086  
 Ráliš HM: 3291  
 Ráliš ZA: 3291  
 Ralph P: 1565  
 Ralston E: 3992  
 Rama Sastry BV: 1641  
 Ramachandran C: 3292  
 Ramachandran CK: 3293  
 Ramachandran J: 3294  
 Ramaekers LH: 3399  
 Ramage AL: 3732  
 Ramalarisoa J: 3271  
 Rambotti P: 2699  
 Ramer SJ: 3295  
 Ramirez A: 3296  
 Ramm B: 4171  
 Ramón Soler R: 2617  
 Ramos A: 3209  
 Ramos S: 1479  
 Rampini P: 1170  
 Ramsay DJ: 3724  
 Ramsey RB: 3297  
 Ramu A: 3208  
 Ramwell P: 3210  
 Randall OS: 1927  
 Ranelletti FO: 1793  
 Rangaraj G: 3087  
 Ranieri MC: 3141  
 Ranta T: 1812, 1943, 2582  
 Rao AJ: 3294  
 Rao GM: 3219  
 Rao KJ: 3219  
 Rao PN: 3298  
 Rao S: 2024  
 Rao SR: 4159  
 Rao SS: 1630, 3652  
 Raoul Y: 2601  
 Rapaport SI: 3370  
 Rapoport A: 3350  
 Rappaport AH: 3299  
 Rappaport R: 793  
 Rapport MM: 3986  
 Raptis S: 2187  
 Rasenko AV: 2662  
 Rasmussen H: 3300-3301  
 Rasmussen L: 423  
 Rasmusson B: 3302, 3467  
 Rassokhin VN: 2026  
 Rastogi RB: 3303-3304, 3304, 3741  
 Rastogi RK: 2739

Raszeja-Wanic B: 2858, 3257  
 Ratcliffe JG: 2516, 3305  
 Ratcliffe WA: 2516, 3305, 4039  
 Rathack P: 3600  
 Ratiambahoaka G: 3271  
 Ratnam SS: 691  
 Ratner LH: 525  
 Ratzlaff RW: 391-392  
 Ratzmann KP: 2838  
 Rauch B: 3306  
 Rausing A: 1728  
 Ravault JP: 3064  
 Rawlings NC: 250  
 Rawlów A: 2545  
 Ray P: 3208  
 Rayborn ME: 833  
 Rayburn WF: 3307  
 Raynaud A: 93  
 Raynaud EJ: 2565  
 Raynaud JP: 908, 3023, 3308  
 Raz A: 1298, 3309  
 Razafinimanana P: 3271  
 Re M: 3310  
 Re R: 1534  
 Rea FW: 4280  
 Read GF: 4243  
 Reade TM: 3613  
 Reagan CR: 3311  
 Reavill C: 1896  
 Rebière A: 3312  
 Rebollar JL: 3313  
 Rebolledo OR: 1300  
 Rechowicz K: 4482  
 Recht LD: 4465  
 Recio F: 1656  
 Reck G: 273  
 Redburn DA: 3314, 4035  
 Redel J: 613, 3315  
 Redeuilh G: 3346  
 Redgrave P: 3316  
 Redick JA: 4256  
 Redmond DE Jr: 1394-1395  
 Reece AH: 1590  
 Reed BR: 237  
 Reed J: 384  
 Reed PW: 3317  
 Reel JR: 1785  
 Rees LH: 1082, 1683, 3318-3319  
 Reeve J: 3320-3321  
 Reeves JJ: 964  
 Reeves JT: 871, 2790  
 Refetoff S: 2609  
 Regal DS: 2134  
 Regnier R: 3322  
 Rego A: 2978  
 Regoli DC: 1113  
 Rehder H: 3323  
 Reich E: 281  
 Reichard LA: 3324  
 Reichelt KL: 4078  
 Reichlin S: 469, 1454  
 Reichlmeier K: 3325  
 Reichman ME: 3326  
 Reid I: 809  
 Reid IA: 3724  
 Reid LB: 1363  
 Reid M: 507  
 Reiffenstuhl G: 3327  
 Reilly T: 12  
 Reinberg A: 3328  
 Reindell A: 969  
 Reinhardt I: 2347  
 Reinhardt W: 1929  
 Reinhart BS: 3812  
 Reinisch JM: 3329  
 Reinke DA: 3915  
 Reinold E: 3330  
 Reisinger WE Jr: 518  
 Reiter A: 3204  
 Reiter RJ: 2640  
 Reith EJ: 472  
 Remacle B: 2332  
 Remtulla MA: 2005, 3331  
 Remuzzi G: 3332  
 Renaud B: 379  
 Renaud LP: 411  
 Renaud R: 2523  
 Renaud A: 3333  
 Renda B: 1296  
 Rengel M: 3453

# AUTHOR INDEX

- Renkielska M: 3334  
 Rennels EG: 3675, 4261  
 Rennie PS: 3335  
 Resch BA: 821  
 Reschini E: 814  
 Resnick JS: 58  
 Resnitzky P: 1210  
 Reterski Z: 4462  
 Retnev VM: 1433  
 Reuben RC: 1341  
 Reuler JB: 3336  
 Reuse J: 2248, 3337  
 Revert L: 4131  
 Revis NW: 3338  
 Rewerski W: 1512  
 Reybrouck T: 1131-1132  
 Reynafarje B: 2335  
 Reynolds C: 2389  
 Reynolds MT: 3339  
 Reznikov AG: 3340  
 Rhamy RK: 4372  
 Rheinlander HF: 76  
 Rheinwald JG: 3341-3342  
 Rhodes RK: 3343  
 Riad-Fahmy D: 4243  
 Ribala J: 4201  
 Ribalet B: 2557  
 Ribbers-de Ridder R: 4151  
 Ribeiro GG: 3344  
 Ribeiro HB: 3418  
 Riccardi R: 1793  
 Ricciardi G: 777  
 Rich MA: 3345  
 Rich W: 981  
 Richard CW 3d: 4273  
 Richard F: 2234  
 Richard-Foy H: 3346  
 Richard-Foy R: 3346  
 Richards J: 3347  
 Richards JG: 2381  
 Richards P: 560  
 Richardson A: 2416  
 Richardson EP Jr: 2413  
 Richardson KI: 3836  
 Richardson PD: 3348  
 Richardson RL: 3349  
 Richardson RM: 3350  
 Richie JP: 3905  
 Richmond CR: 1003  
 Richmond ME: 4225  
 Richter J: 1449-1450  
 Richter MC: 2714  
 Rick ME: 2843  
 Rickers H: 3351  
 Riddell JG: 2489  
 Ride JP: 4314  
 Rideout JL: 4468  
 Rider WD: 3352  
 Ridge S: 2969  
 Ridgway C: 460  
 Riding GV: 3353  
 Riecker G: 3354  
 Riedel H: 3355  
 Riederer P: 3356  
 Riegle GD: 2680  
 Riekhof FT: 4332  
 Riemen MW: 1203  
 Riesen WF: 3357  
 Riesenfeld A: 3358-3359  
 Rifkind RA: 1181, 1341  
 Rigden BG: 3444  
 Riggan LJ: 1103  
 Riggs TR: 1634  
 Rigon G: 228  
 Rijnberk A: 3360  
 Riley E: 548  
 Riley JW: 783  
 Rillema JA: 3361  
 Rimoin DL: 1753-1754, 3705  
 Rimsten A: 18  
 Rincón Castañeda R: 1805  
 Rindi P: 3497  
 Ringold GM: 3362  
 Rinieris PM: 3363  
 Rintamäki H: 1716  
 Ripe E: 2950  
 Ripoll P: 3364  
 Ritsui K: 4408  
 Ritter M: 3206  
 Ritz E: 2675, 3225, 4083  
 Ritz R: 2038  
 Rivera R: 3416  
 Rivero SJ: 967  
 Rivier C: 552, 4129-4130  
 Rivier J: 552, 4129-4130  
 Rivier JE: 3365  
 Rivière M: 3366  
 Rizov B: 2745  
 Robba C: 2666  
 Robberecht P: 3947  
 Robbins J: 3826  
 Robel P: 1179  
 Roberson C: 854  
 Robert A: 3367  
 Robert-Géro M: 4014  
 Roberts BA: 3695  
 Roberts JA: 668  
 Roberts JC: 3339  
 Roberts JL: 3368  
 Roberts KD: 1333  
 Roberts R: 2799  
 Robertson A: 1494  
 Robertson DM: 3369, 3925  
 Robertson DN: 75  
 Robertson G: 473  
 Robertson HA: 619  
 Robertson I: 210  
 Robertson J: 1130  
 Robertson JJ: 210  
 Robin M: 1867  
 Robinson A: 1646  
 Robinson AJ: 3370  
 Robinson CJ: 210  
 Robinson DW: 3371  
 Robinson F: 1226  
 Robinson J: 1549  
 Robinson JA: 3770  
 Robinson RW: 3372  
 Robyn C: 2371  
 Rocco A: 611  
 Rocha-Brito R: 4480  
 Roche D: 379  
 Rochefort H: 93, 1319, 3373, 4184  
 Rochefort JG: 3374  
 Rochette-Egly C: 3375  
 Rochiccioli P: 1042, 3376  
 Rodan G: 840  
 Rodan GA: 3377  
 Rodbard D: 4405  
 Rodbell M: 2933  
 Rødbro P: 713, 3351  
 Röder S: 3743  
 Rodermund OE: 3378  
 Rodey G: 757  
 Rodgers RJ: 3379  
 Rodionov IM: 322  
 Rodrigo J: 3380  
 Rodrigues A: 845  
 Rodriguez G: 1301  
 Rodriguez R: 3381  
 Rodriguez RR: 3333  
 Rodriguez Farré E: 1499  
 Rodriguez Hinojosa JB: 1805  
 Rodriguez-Ineba A: 1321  
 Rodriguez Moñino A: 792  
 Rodriguez-Rigau LJ: 4291  
 Roe DA: 3382  
 Roe WE: 1564  
 Roediger WE: 3383  
 Roeren TK: 1090  
 Roesser HP: 780, 3384  
 Roger M: 678, 1352  
 Rogers AT: 464  
 Rogers LJ: 4431  
 Rogers RB: 2542  
 Rogos R: 3385  
 Rogowski P: 2143, 3386  
 Rohde W: 991, 1095  
 Röhlich P: 3387  
 Rohner TJ Jr: 3388  
 Rohr HP: 1608  
 Roitman A: 3389  
 Roitman N: 1877  
 Roitrub BA: 2548  
 Roizen MF: 3390  
 Rojas E: 2557  
 Rojo-Ortega JM: 3391  
 Rokhlin GD: 3392  
 Rolandi E: 2854  
 Rolland R: 3393  
 Rølle T: 3825  
 Roller RG: 506  
 Romaeva VP: 3200  
 Roman C: 742  
 Romaniuk JR: 1980  
 Romano C: 455  
 Romano FA: 4192  
 Romashkan NV: 3394  
 Rombauts W: 1662  
 Romero-Salinas: 3395  
 Römmeler A: 3396  
 Romussi M: 1170  
 Ronai AZ: 1446  
 Ronald K: 2315  
 Roncari DA: 3397  
 Rondeau DB: 3398  
 Rone MS: 625  
 Rooke TW: 1583  
 Rooney SA: 1485  
 Roord JJ: 3399  
 Roos BA: 3400  
 Roos D: 454  
 Roos I: 3401  
 Roos J: 1602-1603  
 Rootwelt K: 3402  
 Ropers HH: 3403  
 Ropert JF: 526  
 Roquefeuil B: 3404  
 Roques BP: 1233  
 Rosa MA: 948  
 Rosa PA: 3368  
 Rosales A: 3649  
 Rosas Arceo J: 3454  
 Rose AH: 4033  
 Rose JC: 3405  
 Rose NR: 3406  
 Rose RM: 3407  
 Rose RP: 1397  
 Rosecrans JA: 2655  
 Rosei EA: 2825  
 Rosen IB: 3408  
 Rosen JM: 3124, 4212  
 Rosen OM: 3439  
 Rosenbaum R: 73  
 Rosenberg G: 3409  
 Rosenberg SA: 3410  
 Rosenberger L: 3411  
 Rosenblatt JS: 3701  
 Rosenblatt M: 3412  
 Rosenblatt S: 3413-3414  
 Rosenblum P: 3415  
 Rosenfeld CR: 3416  
 Rosenfeld RS: 1205  
 Rosenfield A: 3417  
 Rosenfield AT: 4004  
 Rosenshein N: 1214  
 Rosenthal D: 3418  
 Rosenthal DS: 1638  
 Rosenthal J: 130  
 Rosenthaler J: 3235  
 Rosier RN: 1514  
 Rosin RD: 3419  
 Rosival L: 1147  
 Roskoski R Jr: 2468  
 Rosner C: 1259  
 Rosner F: 3671  
 Rosniatowski C: 2210  
 Ross DH: 3420  
 Ross FP: 3168  
 Ross RW Jr: 3165  
 Ross SB: 2133  
 Rossakis C: 2338  
 Rossato P: 603  
 Rossdale PD: 236  
 Rossel's AN: 1986, 2237  
 Rossetti S: 2463  
 Rössler R: 3421  
 Rostami P: 3422  
 Rostas A: 3423  
 Roth KA: 4103  
 Roth P: 952  
 Rothauge CF: 4282  
 Rothchild I: 1997-1998  
 Rothlin M: 2250  
 Rothman KJ: 1789  
 Rothman SL: 3424  
 Rothuizen J: 3425  
 Rotiroti D: 2959  
 Rotkina IE: 3426  
 Rotsztein WH: 2154



# AUTHOR INDEX

Rotsztejn WH: 3427  
 Rotte K: 579  
 Rotter JI: 1753  
 Röttger P: 2101  
 Rotunno G: 500  
 Roudebush CP: 3428  
 Rous S: 3640  
 Rouse BA: 1127  
 Rousset B: 3429  
 Roussos C: 942  
 Routhier R: 708  
 Routtenberg A: 1487  
 Roux G: 165  
 Roux M: 3430  
 Rouzaire-Dubois B: 690  
 Rovasio PP: 2618  
 Rovsing H: 3824  
 Rowe PH: 182  
 Rowell N: 3431  
 Rowell PP: 3432  
 Rowerski W: 1511  
 Rowland J: 3879  
 Rowland K: 1377  
 Rowlands A: 560  
 Rowlett D: 1030  
 Rowley-Jones D: 3433  
 Royce GJ: 3434  
 Rožcová L: 3435  
 Roze LV: 3436  
 Rozen VB: 3777-3778  
 Rozenzweig M: 886, 955  
 Rozenfel'd EL: 3436  
 Rozhin J: 1755  
 Rozina NS: 3694  
 Rozovskii IS: 3437  
 Rózsahegyí G: 1240  
 Ruano-Gil D: 223  
 Ruban SZ: 3438  
 Rübber H: 81  
 Rubin CS: 3439  
 Rubin R: 3440  
 Rubin RP: 3441-3442  
 Rubinger D: 3443  
 Rubinow A: 3444  
 Rubins J: 3445  
 Rubinstein M: 2367, 3873  
 Rubio-Lotvin B: 3446  
 Rubio Pérez P: 3447  
 Rübsamen H: 3448  
 Rudd BT: 1961  
 Rudenko VF: 2551  
 Rudinger J: 3201  
 Rudman D: 3449  
 Rudneva LM: 3450  
 Rudobielska M: 4475  
 Rudolf K: 2246  
 Rudolph AJ: 787  
 Rudolph AM: 207, 335, 741-742, 3702  
 Rudowski W: 1988  
 Ruedy J: 3010  
 Ruelas G: 1408  
 Ruf H: 3451  
 Ruh MF: 258  
 Ruh TS: 258  
 Ruhmann-Wennhold A: 3452  
 Ruigrok TJ: 1620  
 Ruis AM: 1932  
 Ruiz BF: 2874  
 Ruiz JA: 1043  
 Ruiz-Amil M: 3503  
 Ruiz-Ceretti E: 3132  
 Ruiz De Aguiar González A: 3514  
 Ruiz-Esqueda F: 2976-2977  
 Ruiz Palomo F: 3453  
 Ruiz-Velasco V: 3454  
 Rule AH: 920-921  
 Rumery RE: 3455  
 Rumpelt HJ: 3440  
 Rundans RIA: 1102  
 Rundles RW: 3456  
 Runnebaum B: 1358-1359  
 Ruppert PH: 897  
 Riisch P: 320  
 Rüschendorf U: 2080  
 Rush ME: 3899  
 Rusinova AP: 1433  
 Russ JE: 3457  
 Russell DH: 3458  
 Russell JD: 3459  
 Russell JT: 4040

Russell LR: 693  
 Russell RG: 348  
 Russell RL: 3807  
 Russell SB: 3459  
 Rustia M: 3460  
 Ruszczak Z: 3461  
 Rutanen EM: 2573, 3462  
 Rutberg M: 3829  
 Rutishauser G: 568  
 Rutledge CO: 443  
 Rutsai PV: 3463  
 Rutshtein LG: 3464  
 Rutter WJ: 1581  
 Ruvalcaba RH: 3519  
 Ruwe WD: 3465  
 Ryan C: 2079  
 Ryan JW: 3615  
 Ryan KJ: 2552  
 Ryan N: 584  
 Ryan TD: 2029  
 Ryba M: 1980  
 Rybicka K: 3962  
 Rychter Z: 4165  
 Rydén G: 3466  
 Rygaard J: 3597  
 Rygård J: 3467  
 Ryšavý F: 2473  
 Ryu S: 2011

## S

Saalfeld J: 257  
 Saarinen I: 1476  
 Saaavedra JM: 2243  
 Sabakhtarashvili MA: 4163  
 Sabbioni E: 3468  
 Sabiston DC Jr: 1328  
 Saborowski F: 4254  
 Saboureaux M: 3469  
 Sabsai MI: 3685  
 Sacchetti E: 479  
 Sacchetti G: 763  
 Sachar EJ: 1490, 2280, 3253, 3470  
 Sachs A: 2210  
 Sachs BD: 881  
 Sachs C: 1919  
 Sachs L: 1711, 2447  
 Sack K: 2603  
 Sadlowski R: 3852-3853  
 Sáenz-Benito D: 4201  
 Saez JM: 156, 2796-2797, 3471, 4007  
 Saez S: 1847, 3472  
 Safai B: 3473  
 Safai HS: 1033  
 Safar M: 1750  
 Safar ME: 3474  
 Safaraliev A: 417, 3475  
 Safarčík K: 3476  
 Safrabekian RR: 3477  
 Säfwenberg J: 3478  
 Sagawa N: 1614  
 Saggerson ED: 1167, 2490, 3479  
 Saglio H: 3480  
 Sahyoun N: 1623  
 Said M: 1133  
 Said S: 3599  
 Said SI: 3481, 3500  
 Saiduddin S: 3482  
 Sainani GS: 3174  
 Saini M: 611  
 Saini PK: 3483-3484  
 Saini SK: 3483-3484  
 Saint-Jacques I: 4168  
 Saint-Maurice JP: 1026  
 Saito A: 3970  
 Saito E: 1803  
 Saito I: 3485, 3522  
 Saito K: 4408  
 Saito M: 1851, 2175, 2876  
 Saito T: 1802, 3486, 4420  
 Saito Y: 2639, 3487  
 Sajadi H: 1889  
 Sakaguchi B: 4092  
 Sakakura M: 3487  
 Sakamoto N: 3488  
 Sakamoto O: 3489  
 Sakamoto Y: 1846  
 Sakata H: 2879  
 Saknovskaia AI: 128  
 Sako F: 4422  
 Sako K: 2585  
 Saku A: 3490  
 Sakurada O: 3491  
 Sakurada T: 97  
 Sakurai H: 3492  
 Sakurai Y: 4408  
 Sala LE: 578  
 Salamon F: 217  
 Salzman M: 3493  
 Saldeen T: 972  
 Salganicoff L: 1910  
 Salganik RI: 2568, 2698  
 Salgo MP: 3981  
 Salhanick AR: 586  
 Salichová J: 3618  
 Salis M: 370  
 Salky B: 3494  
 Sallas N: 188  
 Saller CF: 3495  
 Salles KS: 3496  
 Salmasizadeh S: 3221  
 Salmi J: 3145  
 Salmon J: 908  
 Salmon SE: 1562  
 Salmon YM: 3750  
 Saltz A: 981  
 Salvaggio M: 3772  
 Salvetti A: 3497-3498  
 Salvini A: 3267  
 Salvioli MV: 3557  
 Salzarulo L: 4188  
 Samanin R: 2696  
 Samara AM: 3605  
 Sambhi M: 1064  
 Sambhi MP: 244  
 Sambuc R: 3430  
 Samejima A: 4421  
 Sammartino A: 2427  
 Samokhvalov GI: 3839  
 Sample WF: 3499  
 Sampson L: 1142  
 Samson WK: 3500  
 Samsonov VP: 4052  
 Samsonova VM: 178  
 Samuel CA: 3889  
 Samuel D: 1023  
 Samundzhan EM: 3501  
 San Marco JL: 3430  
 San Roman C: 1175  
 Sanada K: 1614  
 Sancewicz-Pach K: 2207  
 Sánchez E: 1320  
 Sánchez J: 1665  
 Sanchez P: 3471  
 Sanchez-Medina F: 3502  
 Sánchez-Mozo P: 3503  
 Sánchez Sánchez ML: 3447  
 Sánchez Torres G: 3504-3505  
 Sanchioni L: 3323  
 Sancho J: 1534  
 Sancho MJ: 135  
 Sancho-Garnier H: 3506  
 Sander LD: 3507  
 Sander S: 3508  
 Sanders RD: 478  
 Sanders-Bush E: 2623  
 Sandhu JS: 982  
 Sandman CA: 801  
 Sandomirskaja LD: 2054  
 Sándor T: 672, 1948  
 Sandstead HH: 3509  
 Sandström A: 1937  
 Sandu L: 3510  
 Sane CR: 2127  
 Saner A: 3511  
 Sanford EJ: 3388  
 Sangdee C: 3512  
 Sanjeevan AG: 694  
 Sanjuan-Laorden C: 3513  
 Sankaranarayanan K: 3529  
 Sankolli GM: 1925  
 Sano H: 3489  
 Santen RJ: 3515  
 Santi R: 776  
 Santillana López T: 3514  
 Santner SJ: 3515  
 Sany C: 2781  
 Sapir R: 1057  
 Sapiro KE: 637

# AUTHOR INDEX

- Sar M: 2316, 3516  
 Sarantakis D: 3517-3518, 3992  
 Sararat Yongchaiyudha: 2828  
 Sarau HM: 3648  
 Sarda IR: 1435  
 Sare Z: 3519  
 Sareen K: 80  
 Sareen KN: 2233  
 Sareen P: 80  
 Sargent CR: 3905  
 Sarin R: 1976  
 Sarkar D: 2863  
 Sarkar NK: 2864  
 Sarkar S: 3520  
 Al-Sarraj K: 3521  
 Sarrazin D: 1208  
 Sarris S: 2497  
 Sarti DA: 3499  
 Saruta T: 3485, 3522  
 Sas M: 3965  
 Sasa S: 3523  
 Sasaki H: 3524, 4392  
 Sasaki K: 2091-2092, 3525-3526  
 Sasaki T: 3527  
 Saslavsky J: 3816  
 Sassa S: 3566  
 Sassano P: 3497-3498  
 Sassard J: 4452  
 Sasse EA: 4259  
 Sasse K: 2835  
 Sasser LB: 2040  
 Sassin J: 3253  
 Sasso GF: 3159  
 Sastry BR: 3528  
 Sastry BV: 3432  
 Sathanandan M: 3529  
 Sato H: 1275, 1837, 1963, 2760, 3530, 3928  
 Sato K: 1963, 2723, 3531, 3686  
 Sato M: 3532, 4408  
 Sato N: 3533  
 Sato R: 2966  
 Sato S: 3534  
 Sato T: 3011  
 Sato Y: 3083  
 Satoh Y: 3535  
 Satoyoshi E: 3490  
 Satyaswaroop PG: 3536  
 Sauer JR: 2524  
 Saumande J: 4027  
 Saunders HL: 3648  
 Savary M: 1166  
 Savenije-Chapel EM: 2972  
 Savidge G: 2421  
 Savino PJ: 3072  
 Savlov ED: 1542, 4354  
 Savouret JF: 188  
 Sawahata T: 4270  
 Sawamura K: 2880  
 Sawanishi K: 2019  
 Sawazaki N: 3537  
 Sawicka A: 3773  
 Sawin CT: 3538  
 Sawiniec Z: 4478  
 Sawlewicz J: 3539-3540  
 Sawulicka-Oleszczuk H: 4478  
 Sawyer J: 3147  
 Sawyer WH: 1340, 3541  
 Saxena AK: 1242  
 Saxena PK: 3542  
 Sayers G: 3543  
 Sayers L: 2751  
 Sayle BA: 203  
 Scadding SR: 3544  
 Scaff M: 597  
 Scanes CG: 1596  
 Scanlon EF: 3457  
 Scanlon JW: 3545  
 Scapagnini U: 3546  
 Scapaticci A: 1501  
 Scappin L: 355  
 Scaro JL: 2744  
 Scarpa A: 497, 1910, 3813  
 Scarpa F: 3547  
 Scavini LM: 2943  
 Scevola G: 914  
 Schade DS: 3548  
 Schade R: 1384  
 Schaefer SE: 3549  
 Schaison G: 3550-3551  
 Schaison M: 1302  
 Schalekamp M: 4134  
 Schalekamp MA: 945, 3552  
 Schall RF Jr: 3553  
 Schallert T: 3554  
 Schally AV: 799, 1166, 3555  
 Schamroth L: 3556  
 Schanberg SM: 490  
 Schanne OF: 3132  
 Schapira G: 1202  
 Schaposnik F: 3557  
 Schär A: 2037  
 Schärer K: 3558  
 Scharrer B: 3559  
 Scharsich M: 2472  
 Schattenkirchner M: 1899  
 Schatz NJ: 3072  
 Schatzker J: 3560  
 Schatzmann HJ: 3561  
 Schaub C: 409  
 Schechter SL: 4245  
 Scheele GA: 3562  
 Scheffner D: 1065  
 Schefftel JM: 3563  
 Scheible W: 3564  
 Schellekens AP: 4325  
 Schellen TM: 3565  
 Schelling P: 1315  
 Schenck B: 3638  
 Schenley RL: 3953  
 Schentag JJ: 1931  
 Scher W: 3566  
 Scherbaum W: 1952  
 Schermann J: 2341  
 Scherpereel P: 640, 3244-3245  
 Scheuerecker M: 3745  
 Schiavulli E: 3567  
 Schibeci A: 2610  
 Schiebler TH: 3568  
 Schier O: 3569  
 Schieren H: 3570  
 Schiller A: 160  
 Schiller HS: 3876  
 Schiller RM: 2957  
 Schillinger JF: 3272  
 Schimassek H: 3571  
 Schlapfer WT: 4371  
 Schlatter C: 1869  
 Schlatterer B: 3572  
 Schlecht HP: 3325  
 Schlegel JU: 668  
 Schleimer R: 3573  
 Schleunung C: 2706  
 Schlichter DJ: 3574  
 Schlienger JL: 3575  
 Schlossberger HG: 262  
 Schmerber-Vereerstraeten J: 4058  
 Schmickel RD: 2340  
 Schmid PG: 1709, 2468  
 Schmid R: 3176  
 Schmidmeier E: 3202  
 Schmidt B: 3111  
 Schmidt CG: 3576  
 Schmidt E: 523  
 Schmidt HJ: 1562  
 Schmidt JJ: 3577  
 Schmidt M: 1823  
 Schmidt P: 2140  
 Schmidt W: 1667  
 Schmidt-Dunker M: 3216  
 Schmidt-Elmendorff H: 2110  
 Schmidt-Gayk H: 4083  
 Schmidtke JR: 1163  
 Schmied U: 273  
 Schmitges CJ: 1623  
 Schmitt H: 1524  
 Schmitt HP: 1065  
 Schmitz S: 2985  
 Schmucki O: 3578  
 Schnauffer L: 2279  
 Schneider GB: 3579  
 Schneider HJ: 102, 4207  
 Schneider M: 1556, 4254  
 Schneider WH: 3176, 3842  
 Schnermann J: 3202  
 Schnoes HK: 3991  
 Schnorr D: 1095  
 Schober F: 3580  
 Schochetman G: 1191  
 Schocket SS: 2264  
 Schoemaker HJ: 502  
 Schoenen J: 3581  
 Scholler R: 901  
 Scholz T: 2080  
 Schöner J: 1090  
 Schönfelder M: 3582  
 Schönhöfer PS: 1899  
 Schopman W: 1199  
 Schorderet M: 259, 3583  
 Schorderet-Slatkine S: 259  
 Schottenfeld D: 3584  
 Schowen RL: 443  
 Schrader WT: 3585  
 Schreiber A: 4242  
 Schreiber V: 3586-3587  
 Schretlen PJ: 260  
 Schridde H: 3588  
 Schriefers H: 2304  
 Schrier RW: 89, 473  
 Schröder F: 3589  
 Schrub JC: 3590  
 Schubert D: 3591  
 Schück O: 2861  
 Schudt C: 3592  
 Schuetz AW: 2377  
 Schuldiner S: 3593  
 Schuler LA: 3594  
 Schulman CC: 3595  
 Schultka R: 3596  
 Schultz AL: 3910  
 Schultz GA: 3134  
 Schultz HP: 3597  
 Schultz M: 3598  
 Schultz W: 4113  
 Schulzberg M: 3599  
 Schulz RA: 3634  
 Schulz V: 3440, 3600  
 Schurman DJ: 3601  
 Schütte B: 172  
 Schwabe U: 3263  
 Schwager JC: 220  
 Schwarcz R: 3602  
 Schwartz E: 2155  
 Schwartz J: 1823  
 Schwartz JC: 1233, 3207, 3603  
 Schwartz JH: 1399  
 Schwartz M: 1727  
 Schwartz P: 1040  
 Schwartzman M: 1298  
 Schwarz H: 1456  
 Schwarzstein L: 3604  
 Schweisguth O: 1208-1209  
 Schweitzer ES: 391-392  
 Schweitzer RL: 4449  
 Schweller OG: 3605  
 Schweppe KW: 3606  
 Schwerdtfeger WK: 3607  
 Schwinger E: 3608  
 Schwyzler R: 1055, 3609  
 Schyve PM: 3610  
 Sciarra JJ: 3611  
 Scoggins BA: 581, 4257, 4347  
 Scommegna A: 550  
 Scornavachi JC: 2774  
 Scott AC: 1326  
 Scott AP: 2456  
 Scott CI: 1753-1754  
 Scott DF: 1311  
 Scott J: 3612  
 Scott JZ: 2104  
 Scott M: 1456  
 Scrivner CR: 3613  
 Scruggs BF: 558  
 Scuderi N: 3614  
 Sczapka CA: 3523  
 Sealey JE: 3615  
 Seamark RF: 4296-4297  
 Searle F: 798  
 Sears M: 1613  
 Season EH: 2064  
 Seaton B: 3616  
 Sebastian A: 1783  
 Secăreanu-Chelaru E: 3997  
 Secchi J: 1179  
 Secher D: 3885  
 Sechserová M: 1076  
 Sedvall G: 3617  
 Seeman P: 4313  
 Seemanová E: 3618  
 Seftel H: 1019  
 Segal D: 1505, 1877



# AUTHOR INDEX

- Segal DS: 348  
 Segal M: 1028  
 Segerson EC Jr: 3619  
 Seggie JA: 514  
 Segmüller G: 2707  
 Segovia C: 4201  
 Segu L: 346, 3620  
 Sehr A: 3621  
 Seibold J: 1462  
 Seidah NG: 708  
 Seidel K: 4109  
 Seidler FJ: 3772  
 Seif FJ: 3622  
 Seike Y: 2619  
 Seiki K: 3623  
 Seino M: 4408  
 Seino Y: 3624, 3931  
 Seinsch W: 3396  
 Sekeris CE: 1440, 2273, 4206  
 Sekiya T: 3942  
 Selby PB: 3625  
 Selby PR: 3625  
 Sele V: 3861  
 Seljanko AA: 3759  
 Seligman M: 3570  
 Selinger Z: 633  
 Selishcheva RF: 1950  
 Selitskaia RP: 3626  
 Selivanova GV: 3627  
 Sell A: 3597  
 Seller MJ: 24  
 Sellers BB Jr: 3628  
 Sellman JE: 3194  
 Selroos O: 1483  
 Selwyn AP: 3629  
 Semenov EV: 3630  
 Semke TI: 2053  
 Semoff S: 3631  
 Sempere A: 3632  
 Semple PF: 3633  
 Sen I: 3634  
 Senault B: 1233  
 Senda H: 2851  
 Senda K: 3635  
 Senekjian HO: 3636  
 Sener A: 2557, 3637  
 Senge T: 3638  
 Sengstake CB: 651  
 Sengupta P: 3639  
 Sengupta S: 3640  
 Senior AE: 3791  
 Senior B: 1033  
 Senior JA: 3641  
 Senior MB: 3642  
 Seo H: 2609  
 Seppälä M: 1812, 1943, 2573  
 Seppala T: 2400  
 Serban G: 94  
 Serebrennikova VG: 3685  
 Sereno Coló JA: 3643  
 Sergeev PV: 3644  
 Sergeeva NA: 4120  
 Sergeeva VE: 1428  
 Serjeantson S: 1589  
 Serrano MI: 824, 826  
 Serrano P: 3504-3505  
 Serri F: 643  
 Serrou B: 1357  
 Serup J: 3645-3646  
 Serwer GA: 3647  
 Serwońska M: 3960  
 Sestanek K: 1824  
 Sétáló G: 2884  
 Settler PE: 3648  
 Sevciková E: 2172  
 Sevel D: 3649  
 Severs WB: 666  
 Seyberth HW: 2988  
 Seymour J: 3650  
 Sfountouris J: 2419  
 Sha N: 3651  
 Shaar CJ: 3111  
 Shackleton CH: 1738  
 Shade RE: 813, 1906  
 Shaffer TE: 4108  
 Shafie SM: 1673  
 Shagal DI: 1347  
 Shah GV: 2127, 3652  
 Shah PN: 3520  
 Shaham Y: 229  
 Shahani SK: 3652  
 Shain W: 407, 2859  
 Shalaby SM: 3  
 Shamoo AE: 3653  
 Shandilya NL: 788  
 Shaparenko MV: 128  
 Shapiro B: 324  
 Shapiro IM: 2325  
 Shapiro LJ: 53  
 Shapiro SR: 3654  
 Shapot VS: 1833  
 Shapov VS: 987  
 Sharawy M: 3655  
 Share L: 813, 1906  
 Shareghi GR: 3656  
 Sharf M: 1451, 3204  
 Sharma OK: 3657-3658  
 Sharon P: 3275, 3659  
 Sharp DE: 446  
 Sharp GC: 478  
 Sharp PJ: 3660  
 Shastri PR: 1630  
 Shatilova NV: 1264  
 Shchedrina RN: 3661  
 Shea E: 3545  
 Shearer MR: 3662  
 Shelkunov EL: 3663  
 Shellito J: 3664  
 Shelton M: 3665  
 Shen FH: 1609  
 Shenker IR: 3666  
 Shenkman BZ: 3667  
 Shenouda AN: 1906  
 Shepard GL: 3412  
 Shepard RA: 3991  
 Shepherd M: 1140  
 Sheppard H: 3668-3669  
 Sherbany AA: 1399  
 Sherer CR: 4237  
 Sheridan B: 2045  
 Sherins RJ: 2323  
 Sherman BM: 667  
 Sherwood MJ: 2668  
 Sheterline P: 3670  
 Sheth AR: 2127, 3652, 4018  
 Shevchuk SG: 1795  
 Shevde N: 3671  
 Shiao SY: 3672-3673  
 Shibasaki M: 1687  
 Shibata A: 4391-4392, 4392  
 Shibuya H: 3038  
 Shida M: 1686  
 Shields JA: 1901  
 Shields R: 3674  
 Shigekawa M: 2449  
 Shigenaka Y: 2122  
 Shiino M: 3675  
 Shikama H: 3676  
 Shikhsaidov II: 2721  
 Shikita M: 4006  
 Shillingford JP: 1621, 3629  
 Shima K: 97  
 Shimada M: 1370  
 Shimamura S: 3677  
 Shimao S: 3678  
 Shimazaki M: 3679  
 Shimizu H: 1744  
 Shimizu K: 3989  
 Shimizu M: 3686, 3783  
 Shimizu N: 1841, 3680  
 Shimizu R: 2765  
 Shimizu T: 4402  
 Shimizu Y: 2897  
 Shimmings JG: 2516  
 Shimoda S: 1985, 3681  
 Shimomura Y: 2120, 2801, 3990  
 Shimosato Y: 3682  
 Shimotsuji J: 3624  
 Shimotsuji T: 3931  
 Shin MS: 3683  
 Shin TS: 3684  
 Shinaberger JH: 1304  
 Shinkareva LF: 3685  
 Shinoda M: 3686  
 Shinohara K: 4403  
 Shinohara S: 2878-2879  
 Shingo S: 1277  
 Shioji T: 117  
 Shiojima Y: 4110  
 Shiokawa K: 3011  
 Shiomi H: 3687  
 Shiomura K: 2886  
 Shipley G: 2621  
 Shirabe J: 3688  
 Shirai K: 2639  
 Shirakura T: 3689  
 Shirao R: 2984  
 Shiratsuchi T: 1732-1733  
 Shiratsuchi Y: 1858  
 Shishkina GT: 2902  
 Shishkina IV: 3158  
 Shizume K: 3690  
 Shkhvatsabaia LV: 3691  
 Shlatz LJ: 3692  
 Shliakhovenko AA: 3284  
 Shlimovich PB: 2228, 3693  
 Shmidt TE: 2686  
 Shoenfeld Y: 1383  
 Shoji M: 2225  
 Shoji T: 1810  
 Shooter EM: 565  
 Shoupe TS: 563  
 Shpil'kin VM: 2237  
 Shraer TI: 3694  
 Shreeve BJ: 3695  
 Shub LV: 3698  
 Shubik P: 3460  
 Shul'gina NK: 3777  
 Shulman NR: 3208  
 Shum A: 3805  
 Shum YY: 3743  
 Shumakov VI: 3696  
 Shuman H: 3813  
 Shuman MA: 4460  
 Shumikhin VN: 3158  
 Shupe K: 1307  
 Shuster S: 631  
 Shuttleworth RD: 2994  
 Shuvaeva NI: 3697  
 Shvedova AI: 1819  
 Shverina TA: 3698  
 Shvets VN: 3699  
 Shvetsov SV: 2568  
 Siao NT: 3564  
 Sičević S: 211  
 Sidorenko LN: 3700  
 Sidorowicz W: 3203  
 Siegel B: 2476  
 Siegel HI: 3701, 3884  
 Siegel S: 2049  
 Siegenthaler W: 273  
 Siemers PT: 1667  
 Siersbaek-Nielsen K: 3386  
 Sigala JF: 1783  
 Sigel E: 609  
 Siggins G: 1505  
 Signoret JP: 1129  
 Siimes AS: 3702  
 Siiteri PK: 3703  
 Silber N: 3704  
 Silberbauer K: 3744  
 Silberbusch J: 1199  
 Silbermann M: 761, 1196  
 Silfverswärd C: 1520, 3031  
 Sillence DO: 3705  
 Sills JA: 3706  
 Silman RE: 2456  
 Silny W: 3707  
 Silva JE: 3708  
 Silva OL: 272  
 Silveira SR: 3709  
 Silver M: 236  
 Silver TM: 1486  
 Silverman AG: 3710  
 Silverman EM: 3710  
 Silverman PM: 1104, 3711  
 Simerzina LV: 3712  
 Similä S: 3746  
 Simionescu L: 3713  
 Simionescu N: 3714  
 Simkins RA: 3715  
 Simmons RL: 1163  
 Simon E: 3719  
 Simon EJ: 804, 3716  
 Simon NG: 3329, 3717-3718  
 Simon R: 61, 63  
 Simon-Oppermann C: 3719  
 Simone JV: 3720  
 Simonescu M: 3714  
 Simonin R: 3430

# AUTHOR INDEX

- Simonovic M: 2689-2690, 2692  
Simonton RL: 520  
Simova N: 3721  
Simpson I: 3722  
Simpson JB: 3723-3724  
Simpson JL: 1363  
Simpson LL: 3725-3726  
Simpson NB: 3727  
Simpson WJ: 3728  
Simu G: 277  
Sinadinović J: 3729  
Sinagowitz E: 3730  
Sinclair JG: 3731  
Singer AL: 1034  
Singer F: 1019  
Singer HS: 3732  
Singer I: 1526  
Singer KH: 4360  
Singer R: 3225  
Singh B: 1468, 2578  
Singh HH: 3258  
Singh IJ: 3733  
Singh J: 80  
Singh LM: 1516  
Singh M: 3734  
Singh MM: 3735-3736, 3736  
Singh P: 3737  
Singh PJ: 3738  
Singh RH: 3993  
Singh RK: 3739  
Singh SJ: 45  
Singh SK: 3740  
Singhal RL: 3303-3304, 3304, 3741  
Singhi S: 3734  
Sinha D: 3742  
Sinitskii VN: 381  
Sinsheimer JE: 3743  
Sinterhauf K: 1861-1862  
Sintermann R: 2281  
Sintetos A: 3210  
Sinzinger H: 3744  
Sippell WG: 3745  
Sipponen P: 3746  
Sirbasku DA: 3747  
Sirian S: 2460  
Siro Brigiani G: 4444  
Sirotnin BZ: 3748  
Sitaram BR: 3749  
Sivanandaiah KM: 2052  
Sivasuriya M: 3750  
Sivin I: 75  
Siviter JW: 3040  
Siziakina LP: 1508  
Sjöberg HE: 3020  
Sjöblom L: 2454  
Sjöquist PO: 3751  
Sjöström M: 3752  
Sjöström R: 1513  
Sjövall J: 187  
Sjövall K: 187  
Skadhaug E: 3753-3754  
Skála I: 4446  
Skår J: 4304  
Skerović Dj: 3755  
Skett P: 3756, 3880, 4326  
Skidgel RA: 3757  
Skilleter DN: 52  
Skinner JD: 3758  
Skjolde C: 3168  
Skoberne M: 2126  
Skok VI: 3759  
Sköldefors H: 3760  
Skolnick P: 2954  
Skopelitis P: 106  
Skovby F: 1754  
Skrabanek P: 3761-3762  
Slabý A: 3763  
Slade AM: 1036  
Slagsvold JE: 3764  
Sláma J: 3866  
Slanina J: 4260  
Slatopolsky E: 73  
Slaughter CA: 3765  
Slăvescu V: 2571  
Slavnov VN: 1426, 3766-3767  
Slayton RE: 435  
Slayton MB: 2511  
Slisz J: 3793  
Slivinskii GG: 3768  
Sliwa F: 3769  
Sliwowski A: 2592  
Sloane B: 3813  
Slob AK: 3770  
Slotboom AJ: 3771  
Slotkin TA: 3772  
Slotnick BM: 1212  
Slowikowska MG: 3773  
Slorensen BL: 3597  
Smail P: 1130  
Small M: 3774  
Smarook WH: 3833  
Smeaton TC: 1377  
Smeets G: 459  
Smelik PG: 3775  
Smeltere ES: 1102  
Smeraldi E: 479  
Smiddy FG: 798  
Smielowski B: 841  
Smigel M: 4240  
Smiles G: 182  
Smiller RR: 3776  
Smirnov AN: 3777-3778  
Smirnov VT: 3779  
Smirnov IuP: 680  
Smirnova OV: 3777-3778  
Smis B: 4029  
Smith AF: 3780  
Smith AJ: 3384  
Smith BH: 3781  
Smith BL: 4067  
Smith CB: 3782  
Smith DA: 3782  
Smith DF: 3783-3784, 3784  
Smith DJ: 616  
Smith E: 182, 2076  
Smith EK: 4199  
Smith ER: 748, 881  
Smith FW: 3785  
Smith GH: 4212  
Smith GJ: 1485  
Smith GW 2d: 4435  
Smith IC: 3992  
Smith IE: 3786  
Smith IK: 3320  
Smith J: 599, 3787  
Smith JA: 224  
Smith JF: 3788  
Smith JL: 3249  
Smith K: 3789  
Smith KA: 802  
Smith KD: 4291  
Smith M: 1379, 3238  
Smith MJ: 1225  
Smith MS: 3790  
Smith RD: 3791  
Smith T: 1249  
Smith TG Jr: 231  
Smith WL: 3915  
Smith Pederson R: 3351  
Smithline F: 3610  
Smokvin VD: 3143  
Smolensky MH: 3792  
Smollich A: 990  
Smoryzanova OA: 2161  
Smrt J: 1791  
Snarski A: 3793  
Snart RS: 3794  
Sneath P: 242  
Snell KC: 1724  
Sneppen O: 3795  
Snider RH: 272  
Snochowski M: 1519  
Snoddy HD: 1279  
Snodgrass SR: 1368  
Snoep MC: 918  
Snyder J: 3796  
Sobis H: 3797  
Sobue I: 2855  
Socher SH: 3124  
Socol ML: 3798  
Söderström KO: 2946  
Sodomann CP: 1639  
Sodoyez JC: 3930  
Soeda N: 2984  
Soehnlén BJ: 1562  
Sofroniew MV: 3799  
Søgaard H: 3597  
Sohail MA: 3800  
Sohal JS: 2577  
Soji T: 3801-3805, 3803  
Sokoloff L: 3491  
Sokolova IN: 3691  
Sokolova RI: 3804  
Solbach HG: 2105  
Solberg HE: 3402  
Solcia E: 534  
Sole MJ: 3805, 4144  
Solenov EI: 3806  
Soler MP: 2688  
Soler-Argilaga C: 3807  
Solomkin JS: 917  
Solomon JK: 3269  
Solomon L: 2099  
Solomon LM: 607  
Solomons CC: 1419  
Solov'eva IP: 3626  
Solov'eva VE: 3808  
Soloway HB: 3809  
Solti L: 3810  
Soman V: 3811  
Somers G: 2557  
Somers JD: 3812  
Somlyo AP: 3813  
Somlyo AV: 3813  
Sommer B: 3814  
Sommerkamp H: 3730  
Somorjai RL: 3992  
Somov OG: 2567  
Somoza E: 3815  
Somoza N: 3816  
Søndergaard J: 31, 1990  
Sone H: 3817  
Sonenberg M: 1002  
Sones FM Jr: 208  
Sonnenberg A: 3818  
Sonnenfeld H: 640, 3245  
Sonnenschein C: 3819  
Sonstegard RA: 2314, 3820  
Soost HJ: 3821  
Sorbe B: 1539  
Sörbo B: 3822  
Sordahl LA: 3823  
Sordo MT: 1175  
Sørensen H: 3824  
Sørensen K: 3825  
Sørensen OH: 2467  
Sorimachi K: 3826  
Sorokina VG: 979  
Sors C: 1413  
Soto AM: 3819  
Souron R: 3827  
Souvatzoglou AM: 3363  
Souza JD: 1637  
Sovak M: 1667  
Sowińska H: 2545  
Soza G: 3828  
Spach M: 3647  
Spackman TJ: 1343  
Spadoni MA: 1176  
Spangberg E: 3829  
Spangberg L: 3829  
Spannhake EW: 1934  
Spano PF: 3830  
Spanos E: 2509-2510, 3186, 3831  
Sparks HV: 1583  
Sparks JW: 3715  
Spasov S: 2595  
Spataro RF: 3832  
Spaulding SW: 562  
Spector M: 3833  
Spehlmann R: 2973  
Speich M: 2544  
Speight TM: 1627  
Speirs JJ: 3867  
Spellacy WN: 4089  
Spelsberg F: 3834  
Spelsberg TC: 3835  
Spence DA: 2475  
Spencer CJ: 3836  
Spencer RP: 108, 3837  
Spera G: 3310  
Speranskaia NV: 3804  
Spicer JW: 2416  
Spiegel AM: 494  
Spiegel J: 120  
Spielman WS: 3838  
Spies HG: 670  
Spiler I: 921  
Spiler IJ: 1454  
Spillert CR: 456



# AUTHOR INDEX

- Spirichev VB: 3839  
 Spitz IM: 2275  
 Spitznagle LA: 3840  
 Splawinski J: 1495  
 Spona J: 3841-3842  
 Spranger J: 1754, 3843  
 Spreafico F: 84  
 Sprinkle TJ: 3844  
 Spruill WA: 3845  
 Srdic Z: 3846  
 Srebnik HH: 3847  
 Srebro B: 2133  
 Sreekumaran T: 3848  
 Sreepada Rao TK: 1242  
 Srivastava SC: 3849  
 St Omer FB: 3850  
 Stabel Neto O: 3851  
 Stabenfeldt G: 1063  
 Stabrovskii EM: 1433  
 Stachowski A: 941  
 Stadler PA: 3914  
 Stafford PH: 3217  
 Stafleu GP: 4154  
 Stahl F: 1095  
 Staiano S: 1556  
 Stake E: 3835  
 Stamatoyannopoulos G: 2942  
 Stambolis C: 92  
 Stancel GM: 1325  
 Stancer HC: 513, 794  
 Stanchev F: 2927  
 Stancheva Iu: 3283  
 Standbury SW: 1674  
 Stanimirović D: 2717  
 Stanisic T: 3852-3853  
 Stanisic TH: 3854  
 Stankler L: 3855  
 Stanley P: 3856  
 Stanley TM: 1304  
 Stannard BS: 4288  
 Stanoeva N: 3274  
 Stanowski E: 3062  
 Stansfield DA: 4432  
 Stańska M: 3857  
 Stanway P: 3858  
 Stanway W: 3858  
 Stark M: 3859  
 Starkova NT: 3860  
 Starup J: 3861  
 Stashak PW: 2594  
 Stasi G: 606  
 Stasiewicz J: 3862  
 Staszewska-Barczak J: 3863  
 Staudenmayer H: 3864  
 Staudt R: 420  
 Staughton RC: 3865  
 Stavinocha WB: 3095, 3097  
 Stavratjev M: 3866  
 Stavratjevová A: 3866  
 Stavric S: 3867  
 Stawiski MA: 3458  
 Stead D: 3868  
 Stears JC: 1890  
 Steen JB: 1765  
 Steenerson RL: 3869  
 Steenholdt S: 3597  
 Stefanick ML: 881  
 Stefanis CN: 3363  
 Steffens WL: 3870  
 Steigleder GK: 3871  
 Stein AM: 3872  
 Stein BM: 2316  
 Stein S: 2367, 3873  
 Steinberg ML: 3874  
 Steinberger A: 2458  
 Steinberger E: 1488, 4291  
 Steinbusch H: 1719  
 Steiner AL: 3845  
 Steiner DF: 2609  
 Steiner H: 3875  
 Steiner JA: 1354  
 Steiner M: 623  
 Steiner RA: 3876  
 Stella A: 4447  
 Stelmasiak T: 3877  
 Stemberger AW: 3878  
 Stenbäck F: 3879  
 Stenberg A: 3880  
 Stenevi U: 2396  
 Stěpán J: 4330  
 Stěpánek P: 2172  
 Stepankovskaia GK: 3881  
 Stepanova OM: 530  
 Stephan FK: 3882  
 Stephens GA: 905  
 Stephenson JD: 2959  
 Stephenson JH: 1401, 1447  
 Stępień H: 3883  
 Sterling GM: 476  
 Stern JM: 3884  
 Stern PL: 3885  
 Sternberger LA: 337, 3886  
 Sternowsky HJ: 2258  
 Stetson MH: 3887  
 Steuer W: 3888  
 Steven DH: 3889  
 Stevens C: 52  
 Stevens P: 3601  
 Stevens SC: 2709  
 Stewart AD: 3890  
 Stewart JM: 695, 3098  
 Steyer M: 2110  
 Stickney SK: 1553  
 Stifel FB: 144  
 Stiglmayer R: 3891  
 Stillman MA: 4465  
 Stinus L: 4000  
 Stirling JL: 3892  
 Stobbe H: 1808  
 Stock MJ: 3892  
 Stockert E: 2989  
 Stockert JC: 1115  
 Stockigt JR: 4257  
 Stocks AE: 3384  
 Stoelinga GB: 3893  
 Stoeltzing W: 1350  
 Stoenescu D: 3713  
 Stoff DM: 1248  
 Stoffer SS: 3894  
 Stögmänn W: 3895  
 Stoica A: 2571  
 Stoica E: 51  
 Stojanov Lj: 4221  
 Stojić DJ: 719  
 Stoker LM: 2987  
 Stokes GS: 2987, 3896, 4277  
 Stolarsky L: 3897  
 Stoldt R: 1606  
 Stollinsky DC: 3898  
 Stoll R: 2853  
 Stollmann B: 92  
 Ston J: 4330  
 Stone MH: 3899  
 Stone RA: 1725  
 Stone TW: 3900  
 Stone WL: 3901  
 Stoner LC: 3656  
 Stopińska-Głuszak U: 221  
 Storlien LH: 2033  
 Storm DR: 1096  
 Stormshak F: 1224  
 Strada SJ: 1325  
 Straehl B: 3902-3903  
 Strakosch CR: 4247  
 Stramentinoli G: 3904  
 Strašek J: 1160  
 Strat V: 2305-2306  
 Stratone A: 1607  
 Strauss JF 3d: 3594  
 Strausser HR: 2200  
 Strawbridge HG: 3408  
 Strecke J: 2999-3000, 3000  
 Streeten DH: 1074  
 Streit CC: 3905  
 Strel'chenok OA: 43  
 Stribrný J: 1076  
 Stricker EM: 3495  
 Stricker J: 2181  
 Strickland S: 281  
 Strohmeyer G: 3818  
 Strombeck DR: 3906  
 Strömberg L: 2929, 3907  
 Strott CA: 3208  
 Stroufová A: 1751-1752  
 Struck CJ: 3908  
 Strull D: 2566  
 Strum D: 4037  
 Strzelecki A: 3909  
 Stuart DD: 3910  
 Stubblefield PG: 3911  
 Stubbs JW: 2225  
 Stuiver PC: 3912  
 Stumpf WE: 2316, 3516  
 Sturc M: 3913  
 Sturchak SV: 3661  
 Stütz PL: 3914  
 Stüve J: 2080  
 Styczyński H: 240  
 Stygles VG: 3915  
 Styk J: 2188  
 Styszewska H: 125  
 Su C: 3916  
 Su JY: 3917  
 Su MO: 3916  
 Suárez A: 3816  
 Suárez Anzorena P: 1870  
 Suarez Najera I: 1322  
 Subbarao K: 3918  
 Subrahmanyam D: 1871  
 Suchkova SN: 1356  
 Sucman E: 3919  
 Sucmanová M: 3919  
 Suda H: 1993  
 Suda K: 3920  
 Suda T: 2635, 3921  
 Sudakov KV: 3922  
 Suematsu T: 3533  
 Sueoda S: 2634  
 Sueoka S: 4424  
 Sugár J: 1332  
 Sugawara T: 3923  
 Sugden MC: 3924  
 Suginami H: 3369, 3925  
 Sugishita M: 3926  
 Sugita T: 2229, 3931, 3943  
 Sugrue MF: 3927  
 Suhara K: 3530, 3928, 3978  
 Sukasian RS: 3477  
 Sukhova ZI: 3929  
 Sullivan AT: 1036  
 Sullivan DC: 4004  
 Sullivan P: 703  
 Sulon J: 3930  
 Sultan R: 3270  
 Sulyok E: 820  
 Sumi K: 3931  
 Sumida C: 3116  
 Summitt RL: 1363  
 Sumpter JP: 1895  
 Sun AY: 3932  
 Sun FF: 2503, 4364  
 Sun GY: 3932  
 Sundararaj BI: 3933  
 Sundberg DK: 2479  
 Sundblad R: 2950  
 Sundby A: 3934  
 Sundharadas G: 601  
 Sundler F: 74, 3935  
 Sunová J: 3621  
 Superstine E: 3443  
 Suraci C: 3140  
 Suranová J: 2204  
 Suresh J: 3504  
 Surti U: 3967  
 Suslov GI: 3936  
 Sussi PL: 3167  
 Sussman II: 3671  
 Suszczyńska-Falecka Z: 1881  
 Sutherland CA: 1405  
 Sutherland KJ: 3937  
 Suvorova MA: 2053  
 Suzuki F: 3938  
 Suzuki H: 1571, 1985, 3038, 3939  
 Suzuki I: 2764  
 Suzuki J: 3940  
 Suzuki K: 3545  
 Suzuki M: 1688, 2642, 3970  
 Suzuki N: 4110  
 Suzuki O: 3941  
 Suzuki S: 1690, 3038, 3942  
 Suzuki Y: 2849, 3943  
 Svechnikova FA: 2713  
 Svechnikova NV: 3944-3945  
 Sveinsson T: 3597  
 Svejcar J: 3946  
 Svendgaard NA: 1107  
 Sverdlik RC: 3333  
 Sviridov OV: 43  
 Svoboda M: 3947  
 Svobodová J: 3618

# AUTHOR INDEX

Svorčik C: 3948  
Swann I: 2772  
Swann S: 4368  
Swanson EW: 778  
Swanson GD: 2569  
Swanson JA: 667  
Swarup-Mitra S: 3949  
Sweat FW: 3950  
El-Swedy SM: 3951  
Sweet F: 3952  
Sweet WH: 3781  
Sweetman BJ: 2113, 2988  
Swenson PA: 3953  
Swerdlow J: 113  
Swerts JP: 1233  
Swiderska Z: 1525  
Swięs J: 1495  
Swinhoe J: 803  
Switala S: 791  
Swyer GI: 2497  
Sylwestrowicz T: 4482  
Synek O: 3919  
Syzdykov MS: 1819  
Szabolcsy M: 2701  
Szafarczyk A: 3954-3955  
Szamborski J: 3956-3957  
Szamborski JJ: 3958  
Szczeplik A: 1496, 3959-3960  
Szczeplik AJ: 3961  
Szczepanska M: 98  
Székely JJ: 1446  
Szelke M: 2509-2510  
Szepešiová A: 1464  
Szikla K: 1117  
Szymdt W: 3962  
Sznajderman M: 1880  
Sznepka Z: 3963  
Szöke B: 1532  
Szöllösi D: 3964  
Szöllösi J: 3965  
Szpunar WE: 3966  
Szukalski B: 3996  
Szulman AE: 3967  
Szumilak B: 844  
Szymańska-Kosmala M: 1188

## T

Tabata K: 3025  
Táborská E: 2156  
Tabrah N: 766  
Tabrizi MA: 1490  
Tachiki KH: 3968  
Tack-Goldman KM: 3208  
Tade WH: 294  
Taetle R: 3969  
Takagi A: 3968  
Takagi H: 3687  
Takagi M: 3688  
Takagi SF: 2887  
Takahara J: 1761  
Takahashi H: 3486  
Takahashi K: 550, 1686, 2068, 3486, 3970  
Takahashi M: 2849  
Takahashi N: 2641  
Takahashi R: 3968  
Takahashi T: 2042  
Takahashi Y: 2240-2241  
Takai S: 2761, 3525  
Takai Y: 2085  
Takamura S: 4425  
Takayama S: 1843  
Takayanagi I: 3971  
Takebayashi S: 3524, 3688  
Takebe K: 1848, 3487  
Takeda A: 2855  
Takeda F: 3972  
Takeda K: 3973  
Takeda N: 3974  
Takeda T: 3024  
Takemori AE: 4161  
Takemori S: 3530, 3928, 3978  
Takemoto M: 3032  
Takemura Y: 1985, 3681, 3940  
Takenaka T: 3488  
Takeo H: 1686  
Takeshita K: 3975  
Takeshita T: 1686  
Takeuchi A: 3976

Takeuchi H: 4418  
Takeuchi J: 1686  
Takeyama H: 4422  
Takeyama Y: 4049  
Takiguchi M: 3977  
Takikawa O: 3978  
Takimoto M: 700  
Takó J: 217  
Takor TT: 3136  
Tala N: 3979-3980  
Tala P: 4006  
Talamo RC: 696  
Talan MI: 688  
Talbot S: 560  
Taleporos P: 3981  
Talerma A: 404  
Talovskaia ZhS: 2212  
Talwar GP: 3982  
Tamada T: 3983  
Tamaoki N: 4426  
Tambascia M: 4231  
Tamborlane W: 3811  
Tamburrano G: 3984  
TambyRaja RL: 3985  
Tami H: 3986  
Tamura K: 4417  
Tamura T: 3987  
Tan AT: 4082  
Tan CT: 1768  
Tan KL: 3750  
Tan SY: 3988  
Tanabe Y: 2882  
Tanac A: 3989  
Tanaka A: 3677  
Tanaka G: 2018  
Tanaka H: 1858, 3990  
Tanaka K: 2806  
Tanaka T: 2808  
Tanaka Y: 3315, 3991  
Tancrède P: 3992  
Tandon AK: 3993  
Tang BY: 3994  
Tang LK: 3995  
Tanganelli E: 963  
Tani S: 1002, 1846  
Tani Y: 2619  
Taniguchi Y: 2011-2012  
Tanimura H: 1277  
Tanioka T: 2619  
Tao M: 699  
Taracha E: 3996  
Tara E: 3021  
Taraskevich PS: 1012  
Tardy J: 3116  
Targoff C: 1141  
Tariq M: 1597  
Tarnowski D: 813  
Tarttelin MF: 4338-4339  
Taşca C: 3713, 3997  
Tashjian AH Jr: 921, 1454, 3998-3999  
Taskinen E: 4097  
Tassin JP: 4000  
Tate CA: 3192, 4001-4002  
Tateishi T: 3968  
Taubert HD: 2210  
Tawil E: 4003  
Taylor CM: 1674  
Taylor DA: 1349, 3098, 3900  
Taylor GN: 2423  
Taylor JD: 2993  
Taylor KJ: 4004  
Taylor RA: 735  
Taylor RW: 2074  
Taylor S: 1109, 3217  
Taylor WL: 4005  
Tchen TT: 2993  
Tchernilass I: 1383  
Tchipyseva TA: 215  
Tcholakian RK: 3298  
Teh EC: 743  
Teicher BA: 4006  
Teichman J: 3517  
Teissedre P: 3590  
Teitelbaum P: 947  
Tell GP: 4007  
Teller WM: 1584  
Telloli P: 1170  
Temkin NR: 1542  
Templier J: 4008  
Tenaglia R: 769

Teng SC: 2393  
Tenhaeff D: 3606  
Tenner TE: 4009-4010  
Tenner TE Jr: 2673  
Tenore A: 4188  
Tenoso HJ: 3553  
Tentsova AI: 2027  
Tenyi I: 2429  
Terada M: 1846  
Terai M: 3488  
Terenius L: 69, 1513, 1720  
Terezhalmay GT: 4011  
Terlizzi N: 4012  
Terlou M: 4013  
Terragno DA: 2498  
Terragno NA: 2498  
Terrian DM: 1834  
Terrioux C: 4014  
Terry LC: 4015  
Terzi I: 4323  
Terzoli L: 2346  
Tessel RE: 4016  
Tessitore N: 1180  
Tete MJ: 521  
Teuber J: 1639  
Teubl I: 4045  
Tevaarwerk GJ: 4017  
Tew WP: 2335  
Thakur AN: 4018  
Thal LJ: 4019  
Than E: 1240  
Thanassi JW: 718  
Thanavala YM: 4020  
Thandroyen FT: 4021  
Thanki KH: 4022  
Thapliyal JP: 664  
Theil GB: 2736  
Theile H: 539  
Theodorou A: 1896  
Theodosios DT: 4023-4024, 4024  
Theorell T: 903  
Thiagarajan D: 4025  
Thibier M: 4026-4027  
Thieblot L: 1478  
Thiel R: 2820  
Thier SO: 4028  
Thierry AM: 4000  
Thiery M: 4029  
Thiessen MM: 4030  
Thimonier J: 3064  
Thivend P: 2025  
Thoenen H: 1059, 1604, 3920  
Thomas AL: 10, 3889  
Thomas BP: 4030  
Thomas CJ: 2980  
Thomas CM: 4031  
Thomas D: 424  
Thomas DB: 4032  
Thomas DS: 4033  
Thomas DW: 4034  
Thomas E: 676  
Thomas FM: 3662  
Thomas H: 393  
Thomas JA: 3496  
Thomas JW: 778  
Thomas M: 3287  
Thomas RF: 1864  
Thomas TN: 4035  
Thommessen P: 1246, 4036  
Thompson EB: 61, 63, 2979, 4170  
Thompson P Jr: 4037  
Thompson R: 1015  
Thompson RG: 4344  
Thompson S: 4038  
Thompson WJ: 1325  
Thomson AW: 1748  
Thomson JA: 190, 4039  
Thomson JE: 190, 4039  
Thorn NA: 4040  
Thorne ET: 4041  
Thun R: 320  
Thunold S: 1  
Thurner J: 4042  
Tibblin S: 1631  
Tibbling G: 1937  
Tichá H: 1703  
Tien AF: 3731  
Tiffert T: 497  
Tigranian RA: 4043  
Tikkanen MJ: 4044



# AUTHOR INDEX

Tilley WD: 2034  
 Tillotson LG: 2957  
 Tillson SA: 2852  
 Tilz GP: 4045  
 Timiras PS: 4126  
 Timoshin SS: 4046  
 Tindall GT: 2515  
 Tippins JR: 1100  
 Tircoveanu E: 2305-2306  
 Tiroke I: 2999-3000, 3000  
 Tischler AS: 4047  
 Tišerová J: 3763  
 Tissot R: 774  
 Titlbach M: 4165  
 Tiulenev VI: 323  
 Tiurin EI: 4048  
 Tixier-Vidal A: 1136  
 Tizabi Y: 2623  
 Tkáč V: 1702  
 Tkachenko NM: 417  
 Toba K: 4049  
 Tobelem G: 1670  
 Tobian L: 1022  
 Tobias PV: 4050  
 Tobler I: 4051  
 Tochilin VI: 4052  
 Todd J: 2098  
 Toddywalla VS: 4053  
 Togane R: 3974  
 Tognato G: 4440  
 Toivola PT: 1677  
 Tojo S: 2885  
 Tokioka-Terao M: 1701  
 Tokuno K: 4425  
 Tolagen K: 4054  
 Tolis G: 629, 3374  
 Tolkovsky AM: 4055-4056, 4056  
 Tollman R: 3934  
 Tomaszewska L: 124  
 Tomažević T: 4057  
 Tombroff M: 4058  
 Tomioka M: 2808  
 Tomita A: 4059  
 Tomizawa S: 1936  
 Tomkin GH: 3339  
 Tomkins GM: 3362  
 Tommasini S: 4440  
 Tomomura A: 1759  
 Tomoyama J: 4060  
 Tonami N: 1698, 2137  
 Tonda K: 4428  
 Tonge SR: 1217  
 Tonini GM: 429  
 Toniutti L: 225  
 Tono H: 1686  
 Tonon MC: 1893  
 Tonti R: 606  
 Topper YJ: 4212  
 Torizuka K: 1277, 1814-1815, 2168, 4061  
 Tormo Calandín C: 1321  
 Toro E: 2688  
 Torp A: 4062  
 Torp-Pedersen C: 4040  
 Torres HN: 4063-4064, 4064-4065  
 Torsti R: 1636  
 Tortella FC: 4066  
 Tortolero M: 1202  
 Totaro JA: 737  
 Totsuka M: 1053  
 Töttössy B: 1332  
 Toubert JL: 4325  
 Tournemolle A: 2353  
 Tourniaire J: 1738  
 Toussaint J: 4058  
 Touvenot JP: 3404  
 Towers NR: 4067  
 Fowler CM: 1748  
 Toy JL: 4068  
 Toyama K: 1571, 4069  
 Toyokura Y: 3926  
 Toyooka K: 3083, 3977  
 Toyota M: 2536  
 Trabucchi M: 3830  
 Traina GC: 4070  
 Trainin EB: 4071  
 Tralka TS: 1093  
 Transbøl I: 713, 2180  
 Traugh JA: 4072  
 Traut H: 4073  
 Treadwell CR: 4127

Tree M: 210  
 Treiman M: 4040  
 Trent JM: 1562  
 Trepechov S: 2595  
 Trethewie ER: 1036  
 Trevisani A: 608  
 Trifonov D: 4074  
 Trifunović S: 719  
 Triggie DJ: 3411  
 Trignano M: 3614  
 Trindade C: 3601  
 Tronick E: 3545  
 Troyer E: 1458  
 Troyer EW: 4075  
 Trulson ME: 4076  
 Trupin KM: 3459  
 Trux F: 4077  
 Tryding N: 1573  
 Trygstad O: 4078  
 Tryselius M: 2421  
 Trzcinka GP: 2410  
 Tsai JS: 4079  
 Tsai SC: 4080  
 Tsakadze LG: 4081  
 Tsang D: 4082  
 Tsangaris N: 120  
 Tsarafidy A: 3271  
 Tschöpe W: 4083  
 Tse A: 656  
 Tse J: 4084  
 Tseng LF: 4085-4087  
 Tsibel' BN: 4088  
 Tsibris JC: 4089  
 Tsibul'skii VL: 2171  
 Tsien RW: 4090  
 Tskhovrebashvili LSh: 4164  
 Tsubo T: 2536  
 Tsuchihashi S: 4110  
 Tsuchihashi Y: 2086  
 Tsuchiya M: 1732-1733, 1840  
 Tsuchiya S: 1858  
 Tsuchiya Y: 4091  
 Tsuchiya S: 4092  
 Tsuei D: 3566  
 Tsukanaka K: 1846  
 Tsukui T: 2167  
 Tsuru H: 3916  
 Tsuruhara T: 4093  
 Tsuruki F: 4094  
 Tsuruta T: 4095  
 Tsutsui K: 4392  
 Tsutsunava LE: 1342  
 Tsuzuki J: 4096  
 Tsvelev IuV: 252  
 Tsyb AF: 979  
 Tucker DA: 1514  
 Tuff L: 2746  
 Tukiaisen P: 4097  
 Tuli SM: 4098  
 Tulloss JH: 4099  
 Tunn U: 3638  
 Tupper JW: 4100  
 Turc C: 2961  
 Turchin HA: 2368  
 Turco P: 176  
 Turcotte R: 2843  
 Turek F: 4101  
 Turek FW: 1640  
 Turin G: 529  
 Turini G: 528  
 Turk J: 4102  
 Turkolev N: 2927  
 Turnbull AC: 2751  
 Turner BB: 4103  
 Turner GA: 4104  
 Turner JW Jr: 4105  
 Turner P: 79  
 Turunen O: 386  
 Tvaroh F: 1544  
 Tveter KJ: 4106  
 Tyan ML: 4107  
 Tye CY: 4363  
 Tyhurst M: 1766  
 Tyler GA: 3412  
 Tylewska S: 720  
 Typlin BL: 4108  
 Tyson JE: 629  
 Tzingounis V: 2434

## U

Ubertalli L: 3468  
 Uberti E: 1500  
 Uchida Y: 3688  
 Uchimura H: 1851, 2876  
 Uchiyama A: 1822  
 Udagawa Y: 1571  
 Udenfriend S: 2367, 3873  
 Udupa KN: 1516, 3739, 3993  
 Uebelhack R: 4109  
 Ueberberg H: 1606  
 Ueda I: 1760, 2132  
 Ueda T: 2432  
 Ueda Y: 1732-1733, 1858, 1985  
 Ueha T: 1759  
 Ueki S: 1410  
 Ueland PM: 1009, 1230  
 Uemura T: 4110  
 Ueno K: 3987  
 Ueno T: 3029  
 Uetani T: 4422  
 Ueyama Y: 4426  
 Uhlich E: 2370  
 Uhlschmid G: 273  
 Ui M: 3676  
 Ukai M: 1955, 4111  
 Ulbricht R: 2080  
 Ulrich KJ: 4112  
 Ulmann A: 738  
 Umer S: 2925  
 Umeza M: 1275  
 Underwood LE: 4153  
 Underwood PB: 2596  
 Undi H: 3571  
 Ungar F: 1618  
 Unger GF: 1072  
 Unger WG: 2748  
 Ungerer MJ: 1778  
 Ungerstedt U: 4113  
 Unrau AM: 3181  
 Unsworth PF: 4114  
 Uozumi T: 4115  
 Upchurch S: 725  
 Urabe H: 4116  
 Urade M: 3532  
 Urbain E: 589  
 Urbánek J: 1544, 3763  
 Urbaniak SJ: 3706  
 Urcia I: 2274  
 Uribe M: 4117  
 Urios P: 4118  
 Urquhart N: 1379  
 Ursin H: 4304  
 Urthaler F: 1540  
 Usadel KH: 2101  
 Usellini L: 534  
 Ushakov AS: 4043  
 Usherenko LS: 381  
 Usvatova Ila: 4119-4120, 4120  
 Utian WH: 4121  
 Utsumi M: 4122  
 Utsumi S: 4428  
 Utsunomiya T: 3492  
 Uuspää V: 4123  
 Uzan A: 4124  
 Uzbekov MG: 4125

## V

Vacas MI: 612  
 Vaccari A: 4126  
 Vagenakis AG: 1587  
 Vahouny GV: 4127  
 Vaidya P: 2576  
 Vaillant R: 1334, 1788  
 Vakhrusheva MP: 3074  
 Valdecasas FG: 1499  
 Valdepeñas P: 583  
 Valdés V: 2688  
 Valdez VA: 4128  
 Valdivieso M: 276  
 Vale W: 552, 4129-4130  
 Vale WW: 3365  
 Valenta LJ: 4477  
 Valentine MD: 696  
 Valeri CR: 4449  
 Valle M: 4097

# AUTHOR INDEX

Valles M: 4131  
 Valls Fontanals A: 4132  
 Valori C: 2825  
 Valueva GV: 1262, 1426  
 Valverde C: 1043  
 Valverde R C: 4133  
 Van RL: 3397  
 Van Amburg G: 496  
 van Berkel TJ: 4136  
 van Brummelen P: 4134  
 van Buskirk R: 1396  
 Van Campenhout J: 3374  
 Van Cauter E: 4135  
 Van Cauwenberge H: 2332  
 van den Berg AP: 2972  
 van den Berg GB: 4136  
 van den Berg RJ: 4031  
 van den Broek PJ: 4137  
 Vandeplasse M: 468  
 Vandeputte M: 3797  
 van der Ende A: 4324  
 Van der Kloot W: 4138  
 van der Walt LA: 2163  
 van der Woude FJ: 4139  
 Van der Zee P: 4140  
 VanderLaan WP: 2288  
 Vandesande F: 1424  
 Van Doorn E: 4141  
 Van Dyk HJ: 4332  
 Vandzhura IP: 2915  
 Vane JR: 671, 1670-1672, 2777, 4317-4318  
 Van Eijk R: 1473  
 van Eys J: 599  
 Vang N: 4172  
 VanGelder V: 2820  
 Vanhems E: 467  
 Van Herle AJ: 2354  
 Vanhoutte PM: 931  
 Van Kets H: 4029  
 van Lier JE: 4142  
 Van Loon GR: 3805, 4143-4147  
 van Netten JP: 59  
 Vannier B: 3308  
 Vanos JL: 4148  
 van Overbeek JJ: 4139  
 van Ree JM: 768, 4149  
 Van Rossum GD: 721  
 van Rossum J: 459  
 van Ruijven-Vermeer IA: 4150  
 Vanseymortier L: 3244  
 van Straaten HW: 4151  
 van Velden DJ: 1778  
 Van Vliet S: 629  
 Van Winkle WB: 3192  
 Van Woert MH: 3195  
 Van Wormhoudt A: 4152  
 Van Wyk JJ: 4153  
 Van Zoelen EJ: 4154-4155  
 Vapaatalo H: 1697, 4156  
 Varani J: 2842  
 Varano L: 4157  
 Vargas López E: 1653-1654  
 Vargová M: 1147  
 Varma VK: 4158  
 Varmus HE: 3362  
 Varmuza SL: 2746  
 Vasantha K: 4159  
 Vashchenko EA: 4160  
 Vasil'chenko RP: 2551  
 Vasilevskaya LV: 1185  
 Vassilevskaya LV: 1184  
 Vaudry H: 1893  
 Vaughan M: 2816, 4080  
 Vaughn WK: 267  
 Vaught JL: 4161  
 Vaugier G: 973  
 Vavilin GI: 1111  
 Vaysse C: 2284  
 Vaze AY: 4018  
 Vázquez A: 3380  
 Vázquez E: 4162  
 Vázquez P: 4162  
 Vázquez Matute LH: 1653-1654  
 Vázquez-Pernas R: 3503  
 Veale WL: 1915  
 Veall N: 3321  
 Vecsei P: 771, 969  
 Veinberg EG: 4163-4164  
 Velardi A: 2699  
 Velasco ME: 1997-1998

Veldsema-Currie RD: 2328  
 Velický J: 4165  
 Velikaia RR: 4166  
 Veljanovski A: 4167  
 Vellieux F: 4168  
 Vellucci SV: 4169  
 Vences Quintela A: 792  
 Venetianer A: 4170  
 Vennart W: 1003  
 Venson JN: 729  
 Venter PF: 4437  
 Ventz M: 2838, 4171  
 Venzano V: 789  
 Verbraeken H: 1239  
 Vercesi A: 2335  
 Verder H: 4172  
 Vereshchagina GV: 3153  
 Verevkina GA: 2087  
 Verheij HM: 3771  
 Verheugen C: 4029  
 Verhoeven AT: 416  
 Verhoeven RP: 945  
 Verhofstad A: 1719  
 Verjovski-Almeida S: 1830  
 Verma IC: 4173  
 Verma SC: 2528  
 Verma U: 4174  
 Verner I: 847  
 Vernikos-Danellis J: 1661, 4175  
 Vernon BG: 4176  
 Verrier RL: 4177  
 Verrina F: 4178  
 Verscholye RD: 52  
 Versteeg DH: 4149, 4327  
 Verzhikovskaia NV: 1262  
 Verzosa MS: 3720  
 Vesely DL: 4179  
 Věšin S: 4180  
 Vessby B: 2422  
 Vessey MP: 4181, 4378  
 Vestermark S: 86  
 Vetchinin SS: 889  
 Vetter H: 4182  
 Vetter W: 273, 4182  
 Vial H: 3296  
 Viala JL: 4183  
 Vic P: 4184  
 Vick NA: 3664  
 Vidal Secanell JM: 4185  
 Vidanapathirana NN: 894  
 Videman T: 4186  
 Vidyasagar D: 1566  
 Viehues: 4187  
 Viggiani E: 4188  
 Viglietta G: 606  
 Vigneault N: 1333  
 Vigouret JM: 3914  
 Vigreux G: 4189  
 Vihko P: 1567  
 Vihko R: 1567  
 Vijayan E: 4190  
 Vikhert AM: 3804  
 Vila Canella T: 3447  
 Vilchez-Martinez JA: 799  
 Vilimovská D: 1972  
 Villacorta J: 3313  
 Villalobos E: 3453  
 Villamil F: 1656  
 Villar Ortiz J: 4191  
 Villareale ME: 4192  
 Villarreal J: 552  
 Villee CA: 3326  
 Vilpo JA: 4186  
 Vilpo L: 4186  
 Vimala Chayodom: 2828  
 Vinaf O: 4193  
 Vincent J: 441  
 Vincent JD: 380  
 Vincent M: 4194  
 Vincenzi FF: 2286, 4195  
 Vincez J: 51  
 Viniaker J: 3041  
 Vinik AI: 1019  
 Vining LC: 3278  
 Vinogradova OL: 322  
 Vinson GP: 4196-4198  
 Viol GW: 4199  
 Vir SC: 4200  
 Virkar KD: 4053  
 Virmaux N: 1659

Virseda JA: 4201  
 Vishnevetskaia MA: 322  
 Visser HK: 4202  
 Visser TJ: 4203  
 Visser-van Dijk MN: 404  
 Viswanathan T: 3529  
 Viswanathan J: 3289  
 Vitucci F: 3167  
 Vitule A: 597  
 Vitums A: 4204  
 Vlachakis N: 2181  
 Vlasák V: 4205  
 Vodnicnik MJ: 956  
 Vodinh J: 4189  
 Voelter W: 2108  
 Vogel JJ: 1103  
 Vogel RA: 490  
 Vogt HJ: 3191  
 Voigt J: 4206  
 Voigt P: 4207  
 Voigt R: 4207  
 Vojnik M: 214  
 Volavka J: 2172  
 Vol'fenzon LG: 4208  
 Volger H: 4209  
 Volkov I: 993  
 Volkova TI: 3808  
 Vollmann H: 4045  
 Vollmer RR: 4210  
 Volpert EM: 3148  
 Volsky DJ: 4211  
 von Berswordt-Wallrabe R: 283  
 von Chak D: 3306  
 von der Masse H: 3597  
 von der Ropp D: 1956  
 Vonderhaar BK: 4212  
 von Felten A: 4213  
 von Haam E: 177  
 Von Hofe SE: 2491  
 von Hoff DD: 886  
 Von Knorring L: 69  
 von Lawzewitsch I: 936  
 von Manteuffel G: 1389  
 von Roemeling R: 1593  
 von Rütte B: 4214  
 von Willebrand E: 2550  
 Voorhees JJ: 3458  
 Voorhoof L: 4029  
 Voorhout G: 3425  
 Vorob'ev Iul: 4215  
 Voss C: 4216-4217  
 Vourc'h G: 268  
 Vrba M: 4218  
 Vrionides Y: 731  
 Vrobel T: 836  
 Vučić V: 541  
 Vuillermet P: 3590  
 Vukoson MB: 4219  
 Vuković D: 4220  
 Vukovich RA: 1337, 1906  
 Vulović D: 4221  
 Vunder PA: 4222

## W

Wacheck W: 3842  
 Wachslight H: 817  
 Wachtel SS: 4223  
 Wacker HR: 568  
 Wada Y: 3970  
 Waddell WJ: 4224  
 Wade-Smith J: 4225  
 Waerber B: 529  
 Wägar G: 2550, 4226  
 Wagenaar SS: 910  
 Wagner H: 130, 4467  
 Wagner M: 172  
 Wagner R: 161  
 Wagshal AB: 4227  
 Wahba A: 4228  
 Wahl R: 1952  
 Wahlström A: 69, 1513  
 Wahrman JP: 4229  
 Wainwright LK: 4230  
 Wainwright SD: 4230  
 Waites GM: 3285  
 Wajchenberg B: 4231  
 Wajtraub G: 4232  
 Wajzman Z: 4233



# AUTHOR INDEX

- Wajszczuk W: 4476  
 Wakabayashi K: 1270, 1960, 2722, 2762, 2802, 4234  
 Wakai T: 3970  
 Wakayama S: 3977, 4235  
 Wakerley JB: 1046, 1555  
 Waksman BH: 1039, 4227  
 Wakui A: 3486  
 Valaas I: 4236  
 Valbom-Jirgensen S: 3597  
 Valbom-Jorgensen S: 1097-1098  
 Vald N: 4237  
 Valden PA: 2302  
 Valdhäusl W: 1651  
 Valdman D: 2049  
 Valdvogel M: 4448  
 Valfish PG: 189, 685, 3408  
 Valker AE: 4238  
 Valker BL: 4430  
 Valker H: 460  
 Valker JE: 4239  
 Valker JH: 4346  
 Valker JR: 1225  
 Valker LA: 4240  
 Valker MJ: 677, 801  
 Valker MS: 4241  
 Valker N: 4242  
 Valker RF: 4243-4244  
 Valker SE: 4245  
 Vall DW: 4246  
 Vall JR: 4247  
 Vallace KM: 2596  
 Vallace LJ: 4248  
 Vallach R: 525  
 Vallbank AM: 4249  
 Valling MW: 4250  
 Valser M: 4251  
 Valsh DA: 4252  
 Valsh MJ: 4253  
 Valter BK: 2040  
 Valter E: 1066  
 Valter J: 1156  
 Valter M: 465, 2038  
 Valters BA: 4247  
 Valters WA: 4347  
 Vambach G: 4254  
 Vamberg S: 4255  
 Vambo JM: 3214  
 Vampler GL: 1542  
 Vamsley JK: 4256  
 Vang C: 4257  
 Vang J: 3168  
 Vang JK: 4258  
 Vang T: 3743  
 Vang TY: 4259  
 Vangdak T: 2675  
 Vanibe H: 2752  
 Vann PD: 2508  
 Vannenmacher M: 4260  
 Varburg M: 86  
 Varchol JB: 4261  
 Vard AM: 798, 4272  
 Vard DG: 1313  
 Vard DN: 557  
 Vard GE: 4262  
 Vard K: 550  
 Vard PA: 2842  
 Vard S: 2918  
 Vard WR: 3106  
 Varden AW: 4263  
 Vardle EN: 4104  
 Varin RP: 564  
 Varing GO 3d: 4264  
 Varner NE: 1034  
 Varner TF: 4265  
 Varren R: 61  
 Vartofsky L: 4037  
 Vasada T: 4266  
 Vashio M: 2885  
 Vassner G: 1040  
 Vassner KH: 523  
 Vasserman RH: 3162, 4192, 4267  
 Vasson AA: 2493, 4268  
 Vasson JF: 4004  
 Vassunna AE: 1476  
 Vasyilewski A: 4269  
 Vatabe T: 4270  
 Vatanabe E: 2021  
 Vatanabe F: 2123  
 Vatanabe H: 1733  
 Vatanabe K: 1438, 1804, 2765  
 Vatanabe S: 2229  
 Vatanabe T: 4392  
 Vatanabe Y: 4271  
 Watermeyer GJ: 2980  
 Watkins BE: 905  
 Watkins J: 4272  
 Watson D: 854  
 Watson G: 1612  
 Watson JG: 242  
 Watson JT: 2988  
 Watson R: 190  
 Watson SJ: 4273  
 Watson-Whitmyre M: 3887  
 Watt DC: 1140  
 Watzke RC: 4274  
 Wauters JP: 529  
 Way EL: 1780  
 Ways DK: 3056  
 Weaker FJ: 4275  
 Weatherhead B: 4276  
 Webber B: 494  
 Weber K: 1243  
 Weber MA: 3896, 4277  
 Weber PC: 4278  
 Webster DJ: 4279  
 Wechter W: 573  
 Wee GB: 658  
 Weekes GA: 2818  
 Weekley LB: 4280  
 Weeks RA: 4281  
 Weems CW: 1220  
 Wei E: 1157  
 Weidner N: 4352-4353  
 Weidner W: 4282  
 Weihl AC: 4283  
 Weijers RN: 1473  
 Weill A: 427  
 Wein EH: 49  
 Weinberg EH: 2821  
 Weinberger A: 4284  
 Weindl A: 3799  
 Weiner RI: 4285  
 Weingart R: 4090  
 Weinman EJ: 3636  
 Weinstein IB: 1181  
 Weinstein PR: 4286  
 Weinstein Y: 4287  
 Weintraub BD: 4288  
 Weintraub HS: 14, 4289  
 Weir AB Jr: 4290  
 Weir EK: 4021  
 Weiss B: 1458  
 Weiss DB: 4291  
 Weiss GB: 4292  
 Weiss L: 4293  
 Weiss LP: 337  
 Weiss RM: 4294  
 Weiss SB: 4295  
 Weiss SJ: 4102  
 Weiss TJ: 4296-4297  
 Weiss YA: 3474  
 Weissman RM: 1835  
 Weissmann G: 2152, 3570  
 Weisz-Carrington P: 1173  
 Wekerle H: 4298  
 Weksler BB: 2590  
 Welch LT: 1195  
 Welch S: 438  
 Wells G: 3164  
 Welman E: 3629  
 Welsch CW: 4299-4300  
 Welsch F: 4301  
 Welsh F: 1874  
 Welsh MJ: 902  
 Welt SI: 4302  
 Wendelschafer-Crabb G: 1285  
 Wenger T: 4303  
 Wenke DC: 3523  
 Wensing CJ: 762, 4151  
 Wenting GJ: 945  
 Wenzel E: 1105  
 Wergedal JE: 1609  
 Werka T: 4304  
 Werner SC: 4305  
 Werner U: 1432, 4306  
 Wesser DR: 4307  
 Wessler S: 1382  
 West CD: 4308  
 West JR: 4256  
 West WE: 4309  
 Westerberg B: 331  
 Westerman MP: 580  
 Westlund K: 3156  
 Westphal L: 427  
 Wetterberg L: 480  
 Wettimuny SG: 432  
 Wever R: 454  
 Wewińska T: 352  
 Whalen RE: 4310  
 Whalley ET: 4311  
 Wheaton JE: 2479  
 Whetsell WO Jr: 1253  
 Whigham KA: 3070  
 Whipp SC: 4312  
 Whishaw IQ: 3554  
 Whitaker MJ: 2116  
 Whitaker PM: 4313  
 White DA: 3521  
 White LO: 2334, 4314  
 White PF: 3390  
 White WJ: 2518, 4315  
 White WL: 2709  
 Whitehair CK: 4316  
 Whitehouse BJ: 4196-4198  
 Whitenack DL: 4316  
 Whiting GJ: 2476  
 Whitmore WL: 3772  
 Whitney G: 2985  
 Whittaker JR: 3874  
 Whittle BJ: 4317-4318  
 Whitworth JA: 581  
 Whorton AR: 4240  
 Whyman D: 4319  
 Wicklmayr M: 971  
 Wicklund H: 1474  
 Widdowson EM: 4320  
 Wide L: 2422, 4321  
 Widerlöv E: 1513  
 Widom CS: 4322  
 Widström A: 1365  
 Wiedemann HR: 2295  
 Wiedmann-Rütt B: 2846  
 Wiegand SJ: 3770  
 Wiegant VM: 781  
 Wiegmann W: 2105  
 Wiele RL: 1164  
 Wierda D: 2693  
 Wierdis T: 4323  
 Wieringa B: 4324  
 Wiersinga WM: 4325  
 Wierzchowiecki M: 3962  
 Wiesel FA: 4326  
 Wigowska-Sowińska J: 2178  
 Wijnen HJ: 4327  
 Wiklund L: 2775, 4328  
 Wiland OK: 3214  
 Wilber JF: 2477  
 Wilbur WJ: 4329  
 Wilcox CJ: 15  
 Wilcox K: 496  
 Wiłczek H: 4330  
 Wildenthal K: 898, 1470  
 Wilfinger WW: 3796  
 Wilkinson CW: 853  
 Wilkinson HA: 4331  
 Wilkinson RD: 3423  
 Willems JS: 4036  
 Willgerodt H: 539  
 Williams AL: 1072  
 Williams AT: 4332  
 Williams BW: 515  
 Williams CH: 1068  
 Williams CO: 4333  
 Williams DA: 2974  
 Williams DC: 384  
 Williams DG: 2446  
 Williams GH: 986  
 Williams JA: 4334  
 Williams LE: 2465  
 Williams RH: 913  
 Williams RJ: 864  
 Williams SD: 1069, 4335  
 Williams TH: 4256  
 Williams TL: 2288  
 Willis WD: 1920, 2605  
 Willison KR: 3885  
 Willoughby JO: 4336  
 Wills K: 4337  
 Wilson CA: 2044  
 Wilson CM: 1485

# AUTHOR INDEX

Wilson GA: 1427  
 Wilson IC: 3227  
 Wilson JD: 2350  
 Wilson PR: 4338-4339  
 Wilson PW: 4340  
 Wilson SK: 4341  
 Wilson WH: 565  
 Wimmer RJ: 2327  
 Winand RJ: 4229  
 Winaver J: 3704  
 Winder WW: 4342  
 Windsor BL: 1785  
 Winegrad S: 4343  
 Wing DR: 3282  
 Wing LM: 648  
 Wing RM: 2978  
 Wing TY: 2392  
 Wingfield JC: 1145  
 Winkelsberg G: 2336  
 Winnefeld K: 1757  
 Winter J: 425  
 Winter M: 3744  
 Winter RJ: 4344  
 Winter S: 4345  
 Winterbauer RH: 4346  
 Winters WD: 1371, 2265  
 Wintour EM: 581, 4347  
 Wirth W: 4348  
 Wise L: 154  
 Wise RA: 1232  
 Wiseman JC: 783  
 Wishart GJ: 4349  
 Wishnia A: 3901  
 Wishousky TI: 737  
 Wisterowicz K: 3539-3540  
 Withers HR: 2131  
 Withers RH: 276  
 Withrington PG: 3348  
 Witorsch RJ: 4350  
 Witt RM: 4351  
 Wittliff JL: 2235, 4352-4354  
 Witzgall H: 1054  
 Witzke D: 3835  
 Wocial B: 1880  
 Wöckel W: 4355  
 Wode-Helgodt B: 3617  
 Woeber KA: 4356  
 Wogsurawat N: 4357  
 Wohlhueter RM: 4358  
 Woiszwillio JE: 502  
 Wojtaszek B: 1495  
 Wójtowicz M: 4359  
 Wojtowicz TE: 2368  
 Wolaniuk A: 3883  
 Wolberg G: 4360, 4468  
 Wolchinsky C: 4479  
 Wolf K: 338  
 Wolf U: 2837  
 Wolfe HJ: 920-921, 1454, 3099  
 Wolff G: 3403  
 Wolff ME: 4361  
 Wolff SM: 2157  
 Wolinsky I: 3641  
 Wollenberger A: 2188  
 Woller R: 4374  
 Wolpowitz A: 4362  
 Wolter J: 435  
 Wolters EC: 2328  
 Wolters W: 283  
 Wong D: 2073  
 Wong DT: 1279  
 Wong HB: 715, 4363  
 Wong PP: 834  
 Wong PY: 4364  
 Wong R: 4365  
 Wong SC: 4366  
 Wong YW: 2746  
 Wongsurawat N: 4025  
 Woo J: 279  
 Woo KT: 658  
 Woo NY: 654-655  
 Wood HN: 4367  
 Wood JM: 3192  
 Wood SM: 3706  
 Woodbridge PA: 1285  
 Woodbury MC: 2340  
 Woodliff HJ: 4368  
 Woodman JA: 470  
 Woodruff GN: 4369  
 Woodruff RK: 4370

Woods JE: 4471  
 Woodson PB: 4371  
 Woolf PD: 830  
 Woon F: 4363  
 Wootton R: 3321  
 Worcel M: 690  
 Workman C: 4372  
 Worley RJ: 1125  
 Worm J: 2180  
 Worms AM: 3157  
 Wörner O: 4373  
 Wortberg B: 4374  
 Wotiz HH: 2836, 4375  
 Woźniak-Parnowska W: 4376  
 Wrangle O: 1520-1521, 3031  
 Wrathall AE: 3695  
 Wright J: 4377  
 Wright NH: 4378  
 Wright PE: 864  
 Wright RJ: 3151  
 Wrobel KH: 2209  
 Wrobel-Kuhl K: 2682  
 Wrzolkowa T: 2898  
 Wu C: 4379  
 Wu JT: 4380  
 Wuerthele SM: 105  
 Wunderlich DA: 1375  
 Wung HL: 4094  
 Wurm K: 4381  
 Wurtman RJ: 1696  
 Wurzelmann S: 3559  
 Wutke K: 4077, 4382  
 Wuttke W: 1348, 4383  
 Wyatt RJ: 1248, 2908  
 Wynder EL: 4384  
 Wynn RM: 1566  
 Wyrzykowski B: 2198  
 Wysocka-Kuźniar S: 352

## Y

Yabuta K: 4385  
 Yabuuchi H: 3931  
 Yabuuchi M: 3624  
 Yada K: 3011  
 Yagen B: 4386  
 Yagi K: 3941  
 Yaguchi S: 3011  
 Yahr P: 4387  
 Yajima H: 2206, 3677  
 Yamada A: 4388  
 Yamada E: 1691  
 Yamada K: 2021, 4422, 4425  
 Yamada N: 1614  
 Yamada R: 2877, 3926, 4389  
 Yamada T: 2086, 2167, 4390  
 Yamada Y: 4391-4392, 4392  
 Yamagami K: 3522  
 Yamaguchi H: 1960, 4422  
 Yamaguchi K: 1760, 2132  
 Yamaguchi M: 2989, 4393-4395  
 Yamamoto H: 2764, 2851  
 Yamamoto I: 1277, 2168, 4396  
 Yamamoto K: 1283, 4420  
 Yamamoto KR: 3362  
 Yamamoto M: 1959, 1965  
 Yamamoto S: 4397-4398  
 Yamamoto T: 2643, 4393-4395  
 Yamamoto Y: 3532  
 Yamamuro T: 3024  
 Yamana K: 4399  
 Yamanaka H: 4400  
 Yamane I: 2641  
 Yamaoka S: 2016  
 Yamasaki H: 1181  
 Yamashiro D: 2372-2373  
 Yamashita E: 2719, 4402  
 Yamashita H: 3971  
 Yamashita I: 850, 3487  
 Yamashita K: 2719, 4401-4402  
 Yamashita L: 3950  
 Yamashita M: 3977  
 Yamashita Y: 2850  
 Yamauchi K: 4403  
 Yamauchi T: 4404  
 Yamazaki T: 1698  
 Yana J: 3651  
 Yanagishita M: 4405  
 Yanaiharu N: 1275  
 Yang MS: 3672-3673  
 Yang SY: 2356  
 Yang WC: 4406  
 Yano I: 2851  
 Yaoi Y: 2175  
 Yap PL: 4407  
 Yarbrow GK: 2408  
 Yarbrough KM: 2540  
 Yasargil MG: 4242  
 Yasuda M: 117  
 Yasujima M: 4408  
 Yasumura S: 4409  
 Yates DW: 4410  
 Yates J: 4411  
 Yeh RP: 4412  
 Yen SS: 1771  
 Yeo PP: 658  
 Yepez R: 575  
 Yernault JC: 2862  
 Yeung D: 4366  
 Yeung RT: 4257  
 Yeung YG: 4366  
 Yingst DR: 4413  
 Ylikorkala O: 4414  
 Yokoi T: 2856  
 Yokosawa H: 4415  
 Yokota M: 2634, 4424  
 Yokoyama M: 3486  
 Yonezawa S: 2878  
 York DH: 1480  
 Yoshida H: 2224, 3532, 4416  
 Yoshida I: 1848  
 Yoshida J: 4425  
 Yoshida K: 4417  
 Yoshida O: 2019, 4418  
 Yoshida S: 3989, 4419-4421  
 Yoshida T: 3032  
 Yoshida Y: 2241  
 Yoshikawa H: 4422  
 Yoshikawa S: 4422-4423  
 Yoshikawa T: 3011  
 Yoshimatsu H: 3689  
 Yoshimi H: 2634, 4424  
 Yoshimura M: 4425  
 Yoshimura S: 4426  
 Yoshimura T: 2890  
 Yoshinaga K: 4408, 4427  
 Yoshioka H: 700  
 Yoshioka K: 1437  
 Yoshioka M: 1848, 3487, 3926  
 Yoshizaki T: 4428  
 Yoshizawa S: 2965  
 Yotsumoto H: 2091-2092  
 Youdim MB: 3356, 4429  
 Young AK: 4430  
 Young CE: 4431  
 Young CN: 3231  
 Young CW: 834  
 Young DA: 2937  
 Young JL: 4432  
 Young JL Jr: 1615  
 Young JR: 1866  
 Young M: 2689  
 Young NA: 1093-1094  
 Young RC: 1773, 4433  
 Young RL: 2491  
 Younger C: 4201  
 Youngquist RS: 1417  
 Yousef IM: 4434  
 Youyou A: 2601  
 Yu DT: 1141, 3295  
 Yuasa H: 4400  
 Yumiler A: 480  
 Yun JC: 4435  
 Yungans WN: 4436  
 Yurchak AM: 1931

## Z

Zaaijman JD: 4437  
 Zabel M: 4438  
 Záborszky L: 4439  
 Zaccanti F: 4440  
 Zaccchi AG: 737  
 Zachmann M: 2356  
 Zadeh JG: 1957  
 Zaev AP: 3748  
 Zagon IS: 2518, 4315  
 Zagorueva LL: 1186



# AUTHOR INDEX

Zaietta P: 3141  
 Zajadacz B: 4441  
 Zák J: 2473  
 Zakharov ND: 96  
 Zakharzhevskaja NP: 1346  
 Zaletaeva TA: 4442  
 Załuska J: 1988  
 Załuska M: 3996  
 Zamboni G: 4443  
 Zamboni P: 4444  
 Zamecnik J: 1390  
 Zamfir-Grigorescu D: 2912  
 Zamit R: 4445  
 Zammarchi E: 582  
 Zamora-López G: 635  
 Zamorano I: 1320  
 Zamrazilová E: 4446  
 Zamurenko VA: 2027  
 Zamurović D: 4221  
 Zanchetti A: 2346, 4447  
 Zanin P: 354  
 Zaninovich AA: 413  
 Zanno C: 4323  
 Zanolini R: 1296  
 Zapf J: 4448  
 Zargba-Bogdal E: 278  
 Zaroulis CG: 4449  
 Zaruba ME: 3844  
 Zassenhaus HP: 3482  
 Zauli F: 4450  
 Zava DT: 652  
 Závada M: 3476  
 Zavadskaja GI: 978  
 Zawadzki ZA: 4451  
 Zawistowski KA: 2930  
 Zazgornik J: 2140  
 Zbinden AF: 237  
 Zech P: 4452  
 Zehner J: 1054, 1389  
 Zelk U: 1455  
 Zelnetskaia VS: 988  
 Zeman V: 4453-4455  
 Zemlan FP: 4456  
 Zenser TV: 4457  
 Zentner GM: 4458-4459  
 Zenzes MT: 2837  
 Zetter BR: 4460  
 Zetterberg A: 1519  
 Zgliczyński S: 2901  
 Zhdanova NV: 3392  
 Zheludeva VI: 1186  
 Zhivutskii II: 2653  
 Zhumanbaev KA: 1819  
 Zhurova MV: 2899  
 Ziegelhoffer A: 2188  
 Ziegler A: 3885  
 Ziegler HK: 4461  
 Ziegler R: 1762  
 Zieglgänsberger W: 934, 1267  
 Zieleniewski J: 4462  
 Zielinski CM: 573  
 Zigler M: 1530  
 Žilkha A: 3415  
 Žimáček J: 1464  
 Žiman V: 2785  
 Žimber Z: 4463  
 Zimmerman A: 4467  
 Zimmerman BG: 4464  
 Zimmerman CF: 3056  
 Zimmerman EA: 111, 4465  
 Zimmerman RR: 4466  
 Zimmerman T: 4467  
 Zimmerman TP: 4360, 4468  
 Zimmermann G: 3163, 3875  
 Zimmermann RE: 4469  
 Zimmermann T: 4470  
 Zinchenko AI: 44  
 Zinke H: 4471  
 Zingraff J: 974  
 Zinina TM: 1508  
 Zinn AB: 4472-4473  
 Zipf RE Jr: 4474  
 Zippel U: 2145  
 Zirkle CL: 3648  
 Zivniska F: 3154  
 Zlatin RS: 2548  
 Zoccali C: 2538  
 Zoch-Zwierz W: 4475  
 Zochowski RJ: 2185, 4476  
 Zolina A: 785

Zolman JC: 4477  
 Zolna J: 3909  
 Zolock DT: 2812  
 Zompatori M: 1336  
 Zoppi G: 4443  
 Zor U: 3275  
 Zotova LA: 3626  
 Zrubek H: 4478  
 Zrustová MO: 4205  
 Zsotér TT: 4479  
 Zubovskii GA: 3153, 4215  
 Zücker JM: 1208  
 Zulian R: 4480  
 Zull JE: 4481  
 Züllich B: 2603  
 Zumpe D: 2714-2715  
 Zumstein P: 4448  
 Zupańska B: 4482  
 Zvara V: 1747  
 Zwierzchowski L: 2125  
 Zykova VP: 1356







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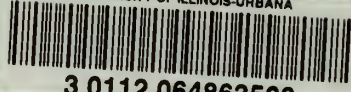








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